

Superior Clamping and Gripping



Spannbacken
Chuck Jaws



Spannbacken

Chuck Jaws

2013

SCHUNK GmbH & Co. KG
Spann- und Greiftechnik

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 www.twitter.com/SCHUNK_HQ
 www.facebook.com/SCHUNK.HQ



Superior Clamping and Gripping

Jens Lehmann steht für präzises Greifen und konzentriertes, sicheres Halten. Als Markenbotschafter im Team von SCHUNK repräsentiert der Nr.-1-Torwart unsere weltweite Kompetenzführerschaft bei Spanntechnik und Greifsystemen. Die Spitzenleistungen von SCHUNK und Jens Lehmann sind geprägt von Dynamik, Präzision und Zuverlässigkeit.

Superior Clamping and Gripping

Jens Lehmann stands for precise gripping, and concentrated safe holding. As a brand ambassador of the SCHUNK team, the No. 1 goalkeeper represents our global competence leadership for clamping technology and gripping systems. The top performances of SCHUNK and Jens Lehmann are characterized by dynamics, precision, and reliability.

Erfahren Sie mehr unter:

www.de.schunk.com/Lehmann

For more information visit our website:

www.gb.schunk.com/Lehmann



J. Lehmann
Jens Lehmann





Henrik A. Schunk, Kristina I. Schunk, Markenbotschafter Jens Lehmann und Heinz-Dieter Schunk
Henrik A. Schunk, Kristina I. Schunk, brand ambassador Jens Lehmann and Heinz-Dieter Schunk

Spitzenleistung im Team

Bei Spanntechnik und Greifsystemen ist SCHUNK weltweit die Nr. 1 – vom kleinsten Parallelgreifer bis zum größten Spannbackenprogramm.

Um effizient zu produzieren, haben sich Unternehmen über 2.000.000 Mal für einen Präzisionswerkzeughalter von SCHUNK entschieden. 1.000.000 Mal für ein Greifmodul. 100.000 Mal für ein Drehfutter oder ein Stationäres Spannsystem.

Das macht uns stolz. Und es spornt uns an zu neuen Spitzenleistungen.

Als Kompetenzführer erkennen und entwickeln wir Standards mit Zukunftspotenzial, die den rasanten Fortschritt in vielen Branchen prägen.

Unsere Kunden profitieren in unserem innovativen Familienunternehmen vom Expertenwissen, der Erfahrung und dem Teamgeist von 2.000 Mitarbeiterinnen und Mitarbeitern.

Weiterhin beste Ergebnisse mit unseren Qualitätsprodukten wünscht Ihnen Ihre Familie Schunk.

Top Performance in the Team

SCHUNK is the world's No. 1 for clamping technology and gripping systems – from the smallest parallel gripper to the largest chuck jaw program.

In order to boost efficiency, SCHUNK customers have bought more than 2,000,000 precision toolholders, 1,000,000 gripping modules, and 100,000 lathe chucks and stationary workholding systems so far.

This makes us proud and motivates us to attain new top performances.

As a competence leader, we recognize and develop standards with a large potential for the future, which will drive the rapid progress in many industries.

Our customers profit from the expert knowledge, the experience and the team spirit of 2,000 employees in our innovative family-owned company.

The Schunk family wishes you improved end results with our quality products.



Heinz-Dieter Schunk



Henrik A. Schunk



Kristina I. Schunk

Superior Clamping and Gripping

Es ist Zeit, Potenziale zu nutzen
It's time to make use of your

Mit überlegenen Komponenten wecken wir Reserven,
wo sie niemand erwartet. In Ihrer Maschine.

*With superior components, find potentials where
you would never expect to find them in your machine.*

**Schöpfen Sie Ihre Maschinenleistung voll aus –
mit dem umfangreichen Portfolio von SCHUNK.**
SCHUNK, der Kompetenzführer für Spanntechnik und
Greifsysteme, erschließt Ihnen das volle Potenzial Ihrer Bear-
beitungsmaschinen und Produktionsprozesse. Reduzieren Sie
Kosten mit der Verbindung aus präziser, flexibler Werkstückbe-
arbeitung und dynamischer Produktionsautomatisierung.

*Make full use of your machine's potential –
with the extensive product portfolio from SCHUNK.*
*SCHUNK, the leading expert in clamping technology and
gripping systems, can now open up the full potential of your
processing machines and production processes. Reduce costs
by combining accurate, flexible workpiece machining with
dynamic production automation.*

Synergie SCHUNK – wenn alles zusammen passt.
Mit Synergie SCHUNK profitieren Sie von überlegenen
Komponenten unseres innovativen Familienunternehmens
und dem Ergebnis eines perfekt aufeinander abgestimmten
Zusammenspiels aus Spanntechnik und Greifsystemen.
Je mehr SCHUNK, desto effizienter.

SCHUNK synergy – when everything fits together.
*With SCHUNK synergy, you benefit from superior components
from our innovative family-owned company and the result of
a perfectly harmonized interplay of clamping technology
and gripping systems. The more you use of SCHUNK, the more
efficient your machine is.*

zen! *machine's full potential!*

„Spanntechnik und Greifsysteme – das perfekt aufeinander abgestimmte Zusammenspiel macht Sie zum Champion in Sachen Produktivität. Wir nennen das Synergie SCHUNK.“

Schauen Sie jetzt, wo Potenziale in Ihren Maschinen schlummern.“

“Clamping technology and gripping systems – the perfectly adjusted interplay makes them a champion in terms of productivity. We call it the SCHUNK Synergy.”

Let's have a look where the potentials in your machine are hidden.”



J. Lehmann
Jens Lehmann



Jetzt schauen, wo Potenziale schlummern
Now take a look at where the unused potential lies
www.de.schunk.com/synergie

Und das Poster zur Synergie SCHUNK bestellen unter
And order the SCHUNK SYNERGY poster now under
 Tel. +49-7133-103-2256



bis **20** Tonnen Lastenhandling
up to 20 tons load handling

MAGNOS Magnethebetechnik
 MAGNOS Magnetic Lifting Technology

Automatisiertes Handling
Automated handling

Drehmaschine
Lathe

Drehmaschine
Lathe

60 Sekunden Backenwechsel
seconds jaw change

ROTA-S plus 2.0, ROTA THW plus Drehfutter
 ROTA-S plus 2.0, ROTA THW plus Lathe chuck



300 % bessere Oberflächengüte
improved surface quality

TIEINblo^{TRMM} – innovative Hydro-Dehnspanntechnik,
 für Dreh- und Fräszentren
 TIEINblo^{TRMM} – innovative hydraulic expansion technology,
 for lathe and milling centers



1200 Standard-Spannbacken
standard chuck jaws

Das weltgrößte Spannbackenprogramm für jeden Futtertyp
The largest chuck jaw program in the world for all chuck types



Automatisiertes Handling
Automated handling



Nr. 1 einzigartig
No. 1 completely unique

PGN-plus, der einzige Greifer mit Vielzahnführung
PGN-plus, the only gripper with multi-tooth guidance

Über 500 Standardkombinationen
Over 500 standard combinations

an Linien- und Raumportalen aus dem Baukasten
on line and room gantries in modular design



100 % Taktsteigerung
Increase of cycle speed

Universalschwenkeinheit SRU-plus S
Universal rotary actuator SRU-plus S



90 % schnellerer Greiferwechsel
reduced set-up costs

Schnellwechselsystem SWS – Wechsel in Sekunden
SWS quick-change system – Change within seconds

Automatisierte Maschinenbeladung
Automated machine loading

Automatisierte Maschinenbeladung
Automated machine loading



350 kg Tragkraft
kg load capacity

VEROS NSR Roboterkupplung für Palettenhandling – Platzsparend bei höchster Flexibilität
VEROS NSR robot coupling for space-saving pallet handling

100 % Kontrolle
check

TANDEM KSP plus Kraftspannblock mit Backenabfrage
TANDEM KSP plus clamping force block with jaw monitoring



30 % mehr Produktivität
increase in productivity

automatisierte Maschinenbeladung mit Greifer PGN-plus mit Spindelschnittstelle GSW
automated machine loading with PGN-plus gripper with GSW spindle interface

Bearbeitungszentrum
Machining center

90 % weniger Rüstkosten
reduced set-up costs

mit VEROS, durch das hauptzeitparallele Rüsten
with VEROS, set-up process simultaneous with processing time



Bis zu 40 %
Up to

geringere Anschaffungskosten MAGNOS Performance Line
lower procurement costs MAGNOS Performance Line



20 mm Bauhöhe
mm installation height

mit VEROS NSE mini – das flachste pneumatische Nullpunktspannmodul mit Turbofunktion
VEROS NSE mini – the world's flattest pneumatic quick-change pallet module with turbo function



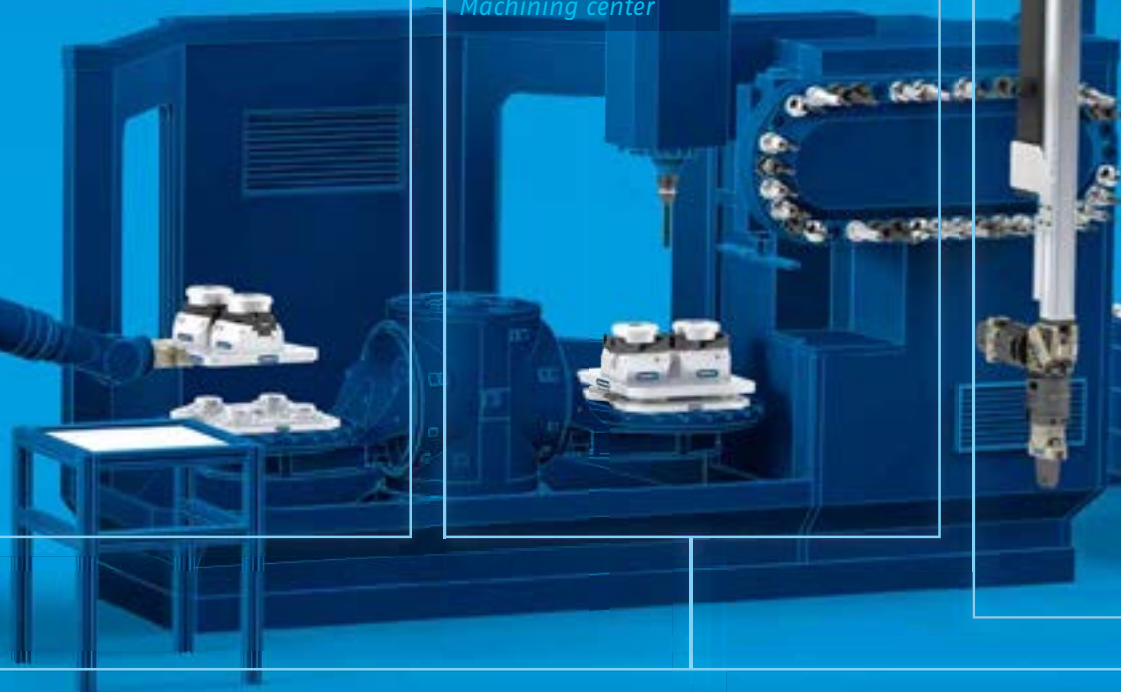
Automatisiertes Handling

Automated handling



Bearbeitungszentrum

Machining center



Modulare Montage

Modular assembly



50000 Sonderlösungen

special solutions

Hydro-Dehnspanntechnik für die Werkzeug- oder Werkstückspannung
Hydraulic expansion technology for tool or workpiece clamping

100 % gekapselt

encapsulated

KONTEC KSK Kraftspannblock
voll funktionsfähig in rauer Umgebung
KONTEC KSK clamping force block
fully functional in harsh environments



0.3 mm Schaftdurchmesser

mm shank diameter

TIRIBLOs-Mini für Mikrozerspanung
TIRIBLOs-Mini for micro machining

3 μ Rundlaufgenauigkeit

microns run-out accuracy

TIRIBLOs-SVL Superschlanke Werkzeug-
verlängerung, störkonturoptimiert
TIRIBLOs-SVL tool extension with
optimized interfering contours



bis 85000 min⁻¹

up to rpm

TIRIBLOs-S für die HSC-Bearbeitung
TIRIBLOs-S for high-speed cutting

Modulare Montageautomation
Modular assembly automation

∞ Kombinationsmöglichkeiten
Combination options

SCHUNK Modularer Montagebaukasten
SCHUNK modular assembly system



180 % besseres Greifkraft-Masse-Verhältnis
Improved gripping force - mass ratio

EPG – Der leistungsstärkste elektronische Kleinteilegreifer
EPG – the most powerful electronic small part gripper



25 % höhere Greifkraft
Higher gripping force

MPG-plus – Der leistungsstärkste pneumatische Miniaturgreifer am Markt
MPG-plus – the most powerful pneumatic miniature gripper on the market

110 Picks pro Minute
picks per minute

PPU-E – Die schnellste Pick-&-Place-Einheit am Markt, PPU-P mit 90 Pick/min
PPU-E – The fastest Pick & Place unit on the market, PPU-P with 90 picks/min



geautomation
ly automation

Mobile Greifsysteme
Mobile gripping systems

Die Handhabung der Zukunft
The handling of the future



6 Freiheitsgrade
degrees of freedom

Powerball Lightweight Arm LWA 4.6
Der leistungsdichteste Leichtbauarm der Welt
The lightweight arm with the world's most compact performance



3 μ Rundlaufgenauigkeit
microns run-out accuracy

TIELNIBLO-SVL mit einzigartiger patentierter Polygonspanntechnik
TIELNIBLO-SVL with a unique and patented Polygonal Clamping Technology



100 % passend auf alle SCHUNK-Werkzeughalter
suited to all SCHUNK toolholders

TIELNIBLO-SVL Werkzeugverlängerung – störkonturoptimiert
TIELNIBLO-SVL Slim Tool Extensions – optimized interfering contours



bis 80 bar kühlmitteldicht oder Peripheriekühlung
bar coolant-proof or peripheral cooling

Flexibler Spannbereich mit Zwischenbüchsen GZB-S
Flexible clamping range with GZB-S intermediate sleeves



0 μ dauerhafter Rundlauf
microns constant run-out accuracy

TIELNIBLO zero, bis zu 50 % Standzeitverlängerung
TIELNIBLO zero, with up to 50% extended service life

2000 Nm Drehmoment bei Ø 32 mm
Nm torque at Ø 32 mm

TIELNIBLO E compact Werkzeughalter mit Hydro-Dehnspanntechnik
TIELNIBLO E compact Hydraulic Expansion Toolholder



Über 30 Jahre Erfahrung
More than 30 years of experience

in der TENDO Hydro-Dehnspanntechnik – TIELNIBLO, das Original
in TENDO hydraulic expansion technology – TIELNIBLO, the original





SCHUNK
SZKA 266

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2013

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Produktübersicht | Product Overview

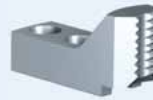
Spannbacken | Chuck Jaws

Rohbearbeitung | Roughing



Runde Werkstücke
Round workpieces

Stangenmaterial
Bar material



Harte Stangen-Krallenbacken
Hard Claw Jaws for Bar Clamping

Abschnitte
Sections



Harte Krallenbacken
Hard claw jaws

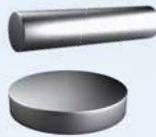


Harte Umkehr Aufsatzbacken
Hard reverse top jaws



Systemkrallenbacken SG
System claw jaws SG

Universal
Universal



Backenrohling
Jaw blank



Spanneinsätze
Clamping inserts



Universal-Krallenbacken
Universal claw jaws



Dünnwandige Werkstücke
Thin-walled workpieces



Pendelbacken
Pendulum jaws



Empfindliche,
geschliffene Oberflächen
Delicate, ground surfaces



Andere Werkstücke
Other workpieces

Konstruktion Sonderlösungen
Design of special solutions

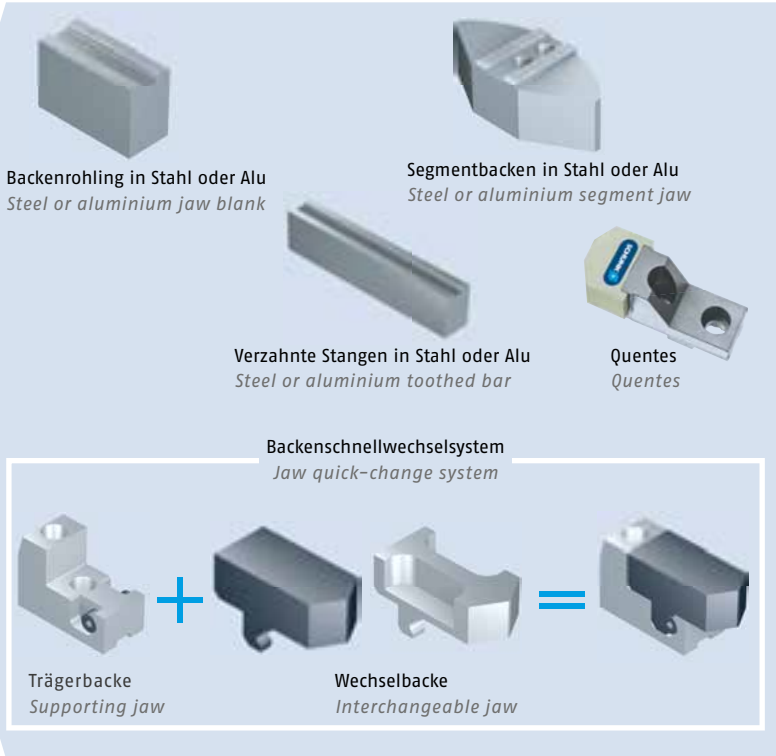
SCHUNK
Sonder-Spannbacken
Schunk special jaws

Sonder-Spannlösungen z.B. für
Vierkant-Excenter-Zahnrad etc.
Special clamping solutions, e.g.
for square eccentric gear, etc.

Produktübersicht | Product Overview

Spannbacken | Chuck Jaws

Fertigbearbeitung | Finish machining



Der Weg zur richtigen Spannbacke

Zwischen Werkstück und Spannfutter sind Spannbacken die einzigen Schnittstellen und damit die entscheidenden Komponenten für mehr Produktivität und Effizienz.

Der Einsatz der richtigen Spannbacke garantiert nicht nur die perfekte Kraftübertragung und sichere Werkstückspannung, sondern sorgt für die optimale Nutzung der Maschinen- und Werkzeugleistung.

Mit dem umfassenden SCHUNK Standard-Spannbackenprogramm finden Sie auf Ihre Anforderungen exakt angepasst, die richtige Spannlösung. Einfach die relevanten Parameter von Werkstück, Bearbeitung und Spannfutter zugrunde legen und optimale Standardbacke auswählen.

Für komplexe Anwendungen und Geometrien entwickeln Ihnen unsere Experten die richtige individuelle Lösung.

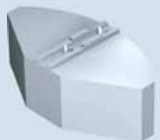
The path to the right chuck jaw

Chuck jaws are the only interfaces between workpiece and chuck, making them a crucial component for increased productivity and efficiency.

The use of the right chuck jaw guarantees both the perfect power transfer and secure part clamping, as well as the optimal utilization of the machine and tool capability.

With the comprehensive SCHUNK standard chuck jaw assortment, you will find the perfect clamping solution for your requirements. Simply determine the relevant parameters based on the workpiece, machining and clamping and select the optimal standard jaw.

For complex applications and geometries, our experts will develop the appropriate custom solution for you.



Segmentbacken
Segment jaws



Quentes
Quentes



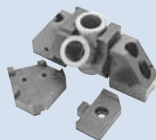
Pendelbacken mit weichen Spanneinsätzen
Pendulum jaws with soft clamping inserts



Quentes
Quentes



Quentes
Quentes



Produktübersicht | Product Overview

Spannbacken nach Futtertyp | Chuck Jaws sorted by Chuck Type

| Futtertyp | Backenrohlinge | Weiche Aufsatzbacken | Verzahnte Stangen | Weiche Segment-Aufsatzbacken | Harte Aufsatzbacken | Harte Krallenbacken | Blockbacken | Pendelbacken | Nutensteine |
|-------------------|-------------------|----------------------|----------------------|--------------------------------|----------------------|-----------------------|-------------------|----------------------|---------------|
| <i>Chuck type</i> | <i>Jaw blanks</i> | <i>Soft top jaws</i> | <i>Serrated bars</i> | <i>Soft full grip top jaws</i> | <i>Hard top jaws</i> | <i>Hard claw jaws</i> | <i>Block jaws</i> | <i>Pendulum jaws</i> | <i>T-nuts</i> |

| SCHUNK | | | | | | | | | |
|--------------------|----|-----|----|-----|-----|-----|-----|-----|-----|
| ROTA 2B | 52 | 56 | 76 | | | | | | 138 |
| ROTA EP | 53 | 58 | 77 | 69 | 85 | 97 | | | 140 |
| ROTA EP-LH | 54 | 61 | | 72 | 86 | 99 | | | 140 |
| ROTA NC | 52 | 56 | 76 | 68 | 84 | 92 | | 130 | 138 |
| ROTA NC plus | 53 | 56 | 76 | 68 | 84 | 93 | | 134 | 138 |
| ROTA NCD | 52 | 56 | 76 | 68 | 84 | 92 | | 130 | 138 |
| ROTA NCF | 52 | 56 | 76 | 68 | 84 | 92 | | 130 | 138 |
| ROTA NCF plus | 53 | 56 | 76 | 68 | 84 | 93 | | 134 | 138 |
| ROTA NCK | 55 | 64 | 82 | 74 | 89 | 103 | | | 142 |
| ROTA NCK plus | 53 | 56 | 76 | 68 | 84 | 92 | | 134 | 138 |
| ROTA NCO | 52 | 56 | 76 | 68 | 84 | 93 | | | 138 |
| ROTA NCR | 53 | 57 | 77 | 69 | 84 | 95 | | | 139 |
| ROTA NCS 3-Backen | | 145 | | | | | | | |
| ROTA NCS 6-Ba-cken | | 146 | | | | | | | |
| ROTA TB | 54 | 61 | | 72 | 86 | 98 | | | 140 |
| ROTA TB-LH | 54 | 61 | | 72 | 86 | 99 | | | 140 |
| ROTA THW | | 145 | | 152 | 154 | 156 | 168 | 178 | |
| ROTA THW plus | | 145 | | 152 | 154 | 156 | 168 | | |
| ROTA THW vario | | 146 | | 152 | 154 | 157 | 168 | | |
| ROTA THWB | | 146 | | 152 | 154 | 157 | 168 | | |
| ROTA TP | 52 | 56 | 76 | 68 | 84 | 92 | | | 138 |
| ROTA-G | | 145 | | 152 | 154 | 156 | 168 | 178 | |
| ROTA-S plus | | 148 | | 152 | 154 | 158 | 167 | 176 | |
| ROTA-S plus 2.0 | | 145 | | 152 | 154 | 156 | 167 | 176 | |

| Futtertyp | Backenrohlinge | Weiche Aufsatzbacken | Verzahnte Stangen | Weiche Segment-Aufsatzbacken | Harte Aufsatzbacken | Harte Krallenbacken | Blockbacken | Pendelbacken | Nutensteine |
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| BERG | | | | | | | | | |
|----------|-----|-----|-----|-----|-----|-----|--|--|-----|
| GFK 2 | | 215 | | | | | | | |
| GFK 3 | | 215 | | | | | | | |
| KF 3 | 186 | 189 | 198 | 193 | 202 | 206 | | | 213 |
| KFN | | 215 | | | | | | | |
| HES/HESF | 186 | 188 | 197 | 193 | 202 | 204 | | | 213 |
| KF | 186 | 188 | 197 | 193 | 202 | 204 | | | 213 |
| KH | | 188 | 197 | 193 | 202 | 204 | | | 214 |
| KHL | | 188 | 197 | 193 | 202 | 205 | | | 214 |
| KHFF | 186 | 188 | 197 | 193 | 202 | 205 | | | 213 |
| KHNC | | 215 | | 218 | 220 | 221 | | | |
| KV3 | | 188 | 197 | 193 | 202 | 205 | | | 214 |

Produktübersicht | Product Overview

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| FORKARDT | | | | | | | | | |
| 2 BLE | 229 | 232 | 246 | | | | | | 286 |
| 2 BLN | 230 | 232 | 246 | | | | | | 286 |
| 3 KS | | 239 | | | 256 | | | | 288 |
| F | | 291 | | 296 | 298 | 299 | 308 | 312 | |
| F+ | | 291 | | 296 | 298 | 299 | 308 | 312 | |
| FNC | | 292 | | 296 | 298 | 299 | 308 | 312 | |
| KG | 228 | 232 | 247 | 240 | 255 | 259 | | 282 | 287 |
| KGH/KGHF | 228 | 232 | 246 | 240 | | 257 | | | 286 |
| KL | 228 | 232 | 246 | 240 | 253 | 257 | | | 286 |
| KLNC | 228 | 232 | 247 | 240 | 253 | 259 | | | 286 |
| KP | 228 | 232 | 247 | 240 | 253 | 259 | | | 286 |
| KS | 228 | 232 | 246 | 240 | 253 | 257 | | 282 | 286 |
| KSF | 228 | 232 | 246 | 240 | 253 | 258 | | | 286 |
| KSH | 228 | 232 | 246 | 240 | 253 | 257 | | | 286 |
| KSHF | 228 | 232 | 247 | 240 | 253 | 261 | | | 286 |
| KS-L | 231 | 237 | 251 | | 255 | 264 | | | 288 |
| KSPS | 228 | 232 | 246 | 240 | 253 | | | | 286 |
| KT/KTGF | 228 | 232 | 247 | 240 | 253 | 260 | | 282 | 286 |
| KTH | 228 | 232 | 246 | 240 | 253 | 258 | | | 286 |
| KTHS | | 232 | 246 | | | | | | 286 |
| KTNC | | 292 | | 296 | 298 | 299 | 308 | 312 | |
| KTNCV | | 292 | | 296 | 298 | 299 | 308 | 312 | |
| NH/NHF | 228 | 232 | 246 | 240 | 253 | 258 | | 282 | 286 |
| QLC/QLK | 228 | 232 | 246 | 240 | 253 | 258 | | 282 | 286 |
| QLC-KS/QLK-KS | 228 | 233 | 247 | 240 | 253 | 260 | | | 286 |
| UVE | 228 | 232 | 246 | 240 | 253 | | | | 286 |

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| HOWA | | | | | | | | | |
| HO 1 | 316 | 317 | 323 | | | | | | 331 |
| HO 2 | | 320 | | | | | | | 331 |
| HO 7 | 316 | 317 | 323 | 321 | 325 | 326 | | | 331 |
| HO 15 | 316 | 317 | 323 | 321 | 325 | | | | 331 |
| HO 22 | 316 | 317 | 323 | 321 | 325 | 326 | | | 331 |
| HO 23 | 316 | 318 | 323 | 321 | 325 | 327 | | | 331 |
| HO 24 | 316 | 317 | 323 | 321 | 325 | 326 | | | 331 |
| HO 27 | 316 | 317 | 323 | 321 | 325 | 326 | | | 331 |
| HO 37 | 316 | 317 | 323 | 321 | 325 | 326 | | | 331 |
| HO 47 | 316 | 317 | 323 | 321 | 325 | 326 | | | 331 |

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| KITAGAWA | | | | | | | | | |
| AS | 336 | 339 | 354 | 348 | 361 | | | | 393 |
| B | 336 | 339 | 354 | 348 | 361 | 365 | | 388 | 392 |
| BB | 336 | 340 | 354 | 348 | 361 | 365 | | 388 | 392 |
| BB208 | 337 | 340 | 355 | 349 | 362 | 367 | | | 394 |
| BL | 336 | 340 | 354 | 348 | 361 | 366 | | | 393 |
| BS | 336 | 340 | 354 | 348 | 361 | 366 | | | 393 |
| BT | 336 | | 354 | | | | | | 393 |
| BLT | 336 | | 354 | | | | | | 393 |
| BBT | 336 | | 354 | | | | | | 393 |
| NT/NLT | 336 | | 354 | | | | | | 393 |
| MLT | 336 | | 354 | | | | | | 394 |
| ML | 336 | 340 | 354 | 348 | 361 | 366 | | | 394 |
| QJR | 337 | 340 | 355 | 349 | 362 | | | | |
| UVE | 337 | 340 | 355 | 348 | 361 | 368 | | | |
| HJ | 336 | 339 | 354 | | | | | | 393 |
| HJA | 336 | 340 | 354 | 348 | 361 | 369 | | | 393 |
| HLA | | 342 | 356 | 349 | 363 | | | | 395 |
| HO | 336 | 340 | 354 | 348 | 361 | | | | 393 |
| HOB | 336 | 339 | 354 | 348 | 361 | | | | 393 |
| HOH | 336 | 340 | 354 | 348 | 361 | 366 | | 388 | 392 |
| HOS | 336 | 340 | 354 | 348 | 361 | | | | 393 |
| N | 336 | 339 | 354 | 348 | 361 | 366 | | 388 | 392 |
| NV | | 343 | 356 | | 363 | 371 | | | 395 |
| NL | 336 | 339 | 354 | 348 | 361 | 366 | | | 393 |

| Futtertyp | Backenrohlinge | Weiche Aufsatzbacken | Verzahnte Stangen | Weiche Segment-Aufsatzbacken | Harte Aufsatzbacken | Harte Krallenbacken | Blockbacken | Pendelbacken | Nutensteine |
|-------------------|-------------------|----------------------|----------------------|--------------------------------|----------------------|-----------------------|-------------------|----------------------|---------------|
| <i>Chuck type</i> | <i>Jaw blanks</i> | <i>Soft top jaws</i> | <i>Serrated bars</i> | <i>Soft full grip top jaws</i> | <i>Hard top jaws</i> | <i>Hard claw jaws</i> | <i>Block jaws</i> | <i>Pendulum jaws</i> | <i>T-nuts</i> |
| RÖHM | | | | | | | | | |
| DURO | | 470 | | 477 | 479 | 480 | 488 | 496 | |
| DURO-NC | | 471 | | 477 | 479 | 480 | 488 | 496 | |
| DURO-NCE | | 471 | | 477 | 479 | 480 | 488 | 496 | |
| DURO-NCES | | 471 | | 477 | 479 | 480 | 489 | | |
| DURO-NCGB | 400 | 405 | 423 | 415 | 431 | 437 | | | |
| HS | | 476 | | | | | | | |
| KFA | 400 | 405 | 423 | | | | | | 466 |
| KFD | 400 | 404 | 423 | 415 | 431 | 436 | | 462 | 466 |
| KFD-AF | 400 | 404 | 423 | 415 | 431 | | | | 466 |
| KFD-EC | 400 | 405 | 424 | 415 | 431 | 437 | | | |
| KFD-G | 400 | 405 | 424 | | | | | | 466 |
| KFD-HE | 401 | 404 | 423 | 415 | 431 | 436 | | | 466 |
| KFD-HF | 400 | 404 | 423 | 415 | 431 | 436 | | | 466 |
| KFD-HN | | 471 | | | | | | | |

Produktübersicht | Product Overview

Spannbacken nach Futtertyp | Chuck Jaws sorted by Chuck Type

| Futtertyp | Backenrohlinge | Weiche Aufsatzbacken | Verzahnte Stangen | Weiche Segment-Aufsatzbacken | Harte Aufsatzbacken | Harte Krallenbacken | Blockbacken | Pendelbacken | Nutensteine |
|-------------------|-------------------|----------------------|----------------------|--------------------------------|----------------------|-----------------------|-------------------|----------------------|---------------|
| <i>Chuck type</i> | <i>Jaw blanks</i> | <i>Soft top jaws</i> | <i>Serrated bars</i> | <i>Soft full grip top jaws</i> | <i>Hard top jaws</i> | <i>Hard claw jaws</i> | <i>Block jaws</i> | <i>Pendulum jaws</i> | <i>T-nuts</i> |
| RÖHM | | | | | | | | | |
| KFD-HS | 400 | 404 | 423 | 415 | 431 | 436 | | 462 | 466 |
| KFE | | 411 | | | 434 | | | | 466 |
| KFG | | 411 | | | 434 | | | | 466 |
| KFH | 400 | 404 | 423 | 415 | 431 | 436 | | | 466 |
| KFH-F | 400 | 404 | 423 | 415 | 431 | 437 | | | 466 |
| KFH-G | 400 | 404 | 423 | 415 | 431 | 437 | | | 466 |
| KFH-NC | 400 | 404 | 423 | 415 | 431 | 438 | | | 466 |
| KFL | 401 | 405 | 424 | 416 | 432 | 439 | | | 467 |
| KFM | | 411 | | | 434 | | | | 466 |
| KFN | 403 | 411 | | 477 | 434 | | | | 466 |
| LVE | 400 | 404 | 423 | 415 | 431 | 436 | | | 466 |
| SPD | 400 | 405 | | 415 | 431 | | | | 466 |
| SPO | 400 | 405 | | 415 | 431 | | | | 466 |
| SSH | | | | | | | | | |
| SSP | | | | | | | | | |
| UGU | | 475 | | | | | | | |
| USU | | 475 | | | | | | | |
| ZGD | | 475 | | | | | | | |
| ZGF | | 475 | | | | | | | |
| ZGU | | 475 | | | | | | | |
| ZSU | | 475 | | | | | | | |

| Futtertyp | Backenrohlinge | Weiche Aufsatzbacken | Verzahnte Stangen | Weiche Segment-Aufsatzbacken | Harte Aufsatzbacken | Harte Krallenbacken | Blockbacken | Pendelbacken | Nutensteine |
|-------------------|-------------------|----------------------|----------------------|--------------------------------|----------------------|-----------------------|-------------------|----------------------|---------------|
| <i>Chuck type</i> | <i>Jaw blanks</i> | <i>Soft top jaws</i> | <i>Serrated bars</i> | <i>Soft full grip top jaws</i> | <i>Hard top jaws</i> | <i>Hard claw jaws</i> | <i>Block jaws</i> | <i>Pendulum jaws</i> | <i>T-nuts</i> |
| SAMCHULLY | | | | | | | | | |
| HC | 500 | 502 | 508 | 506 | 513 | 515 | | 530 | 532 |
| HCH | 500 | 502 | 508 | 506 | 513 | 515 | | 530 | 532 |
| HCL | 500 | 502 | 508 | 506 | 513 | 515 | | | 533 |
| HCLT | 500 | | | | | | | | 533 |
| HCT | 500 | | | | | | | | 533 |
| HS | 500 | 502 | 508 | 506 | 513 | 515 | | 530 | 533 |
| HSF | 500 | | 508 | | | 518 | | | 533 |
| HSL | 500 | 502 | 508 | 506 | 513 | | | | 533 |
| MH | 500 | 502 | 508 | 506 | 513 | 515 | | 530 | 532 |
| MHT | 500 | | 508 | | | | | | 533 |

Produktübersicht | Product Overview

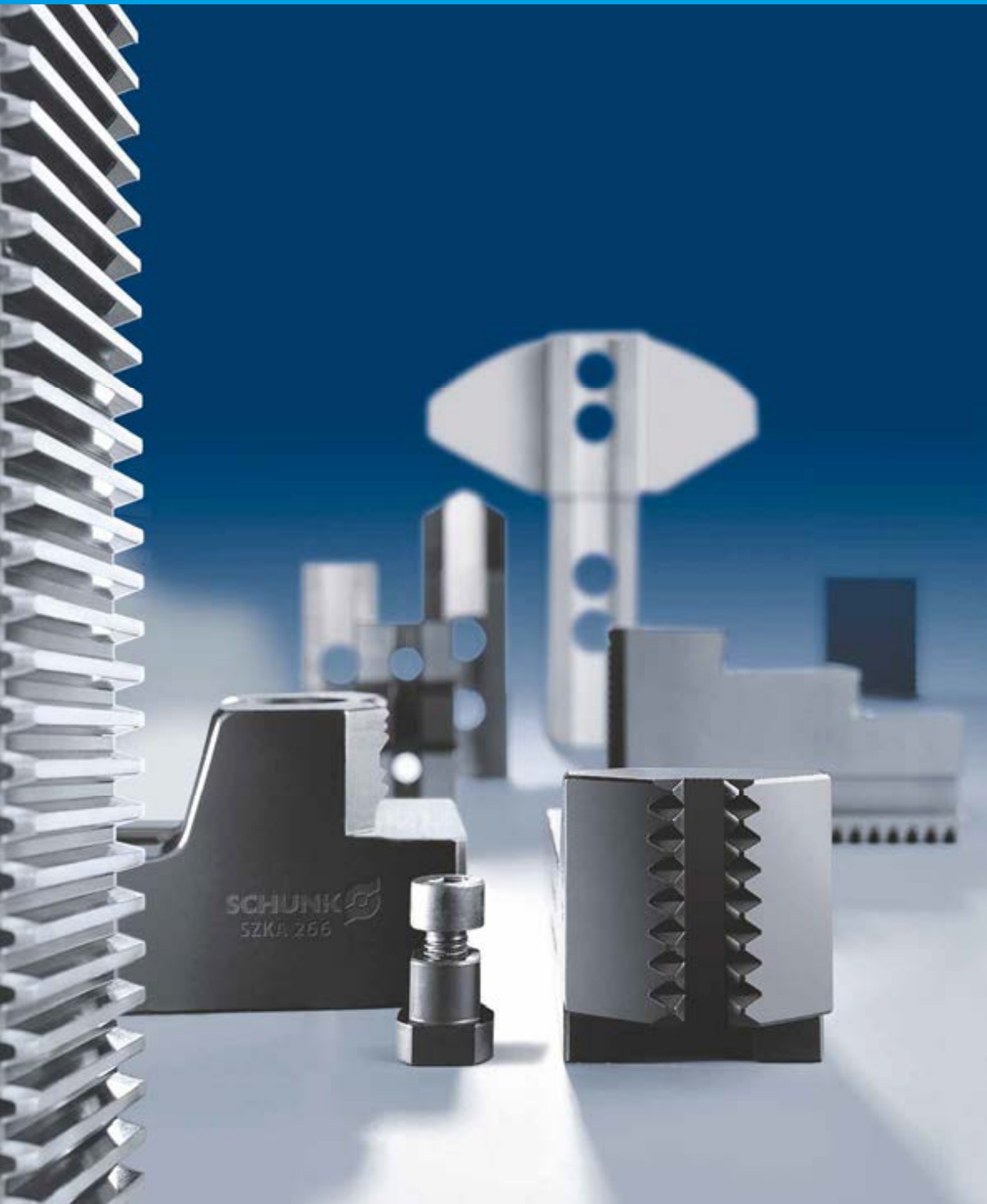
Spannbacken nach Futtertyp | Chuck Jaws sorted by Chuck Type

| Futtertyp | Backenrohlinge | Weiche Aufsatzbacken | Verzahnte Stangen | Weiche Segment-Aufsatzbacken | Harte Aufsatzbacken | Harte Krallenbacken | Blockbacken | Pendelbacken | Nutensteine |
|------------|----------------|----------------------|-------------------|------------------------------|---------------------|---------------------|-------------|---------------|-------------|
| Chuck type | Jaw blanks | Soft top jaws | Serrated bars | Soft full grip top jaws | Hard top jaws | Hard claw jaws | Block jaws | Pendulum jaws | T-nuts |
| SMW | | | | | | | | | |
| AL-D | 540 | 546 | 572 | 562 | 586 | 595 | | 638 | 645 |
| AL-M | 544 | 557 | 582 | 570 | 591 | 605 | | | 646 |
| AN-D | 540 | 546 | 572 | 562 | 586 | 595 | | 638 | 645 |
| AN-M | 544 | 557 | 582 | 570 | 591 | 605 | | | 645 |
| AP-D | 540 | 546 | 572 | 562 | 586 | 595 | | | 645 |
| APL-D | 540 | 547 | 573 | 563 | 587 | 598 | | | 645 |
| APL-M | 544 | 557 | 582 | 570 | 591 | 607 | | | 645 |
| AP-M | 544 | 557 | 582 | 570 | 591 | 606 | | | 645 |
| BB-AZ ES | 542 | 553 | 578 | 568 | 589 | | | | 644 |
| BB-D | 540 | 546 | 572 | 562 | 586 | 595 | | 638 | 644 |
| BB-M | 544 | 557 | 582 | 570 | 591 | 606 | | | 646 |
| BB-N | 542 | 553 | 578 | 568 | 589 | | | | 646 |
| BB-N ES | 542 | 553 | 578 | 568 | 589 | | | | 644 |
| BH-D | 540 | 553 | 572 | 562 | 586 | 595 | | 638 | 644 |
| BHD-FC | 540 | 546 | 572 | 562 | 586 | 595 | | | 645 |
| BH-M | 544 | 557 | 582 | 570 | 591 | 605 | | | 644 |
| BHM-FC | 544 | 557 | 582 | 570 | 591 | 605 | | | 646 |
| CD | 538 | 546 | 572 | 563 | 587 | | | | 644 |
| GHD | 541 | 549 | 574 | 564 | 588 | | | | 646 |
| GHD-FC | 540 | 546 | 572 | 562 | 586 | 595 | | | 644 |
| GHDN | 540 | 546 | 572 | 562 | 586 | 595 | | | 644 |
| GH-M | 545 | 558 | 583 | | 592 | | | | 646 |
| HD-B | 540 | 547 | 573 | 563 | 587 | | | | 645 |
| HDL | 538 | 547 | 573 | 563 | 587 | | | | 644 |
| HDN | 539 | 547 | 573 | 563 | 587 | | | | 644 |
| HFK | 538 | 546 | 572 | 562 | 586 | 596 | | | 644 |
| HFKN-D | 540 | 546 | 572 | 562 | 586 | 595 | | | 645 |
| HFKN-M | 544 | 557 | 582 | 570 | 591 | 605 | | | 646 |
| HFKS | 538 | 546 | 572 | 562 | 586 | 594 | | | 644 |
| HG | | 651 | | 661 | 665 | | 681 | | |
| HG-F | | 651 | | 661 | 665 | 667 | 680 | | |
| HG-N | | 651 | | 661 | 665 | 667 | 681 | 690 | |
| HYDLL-S | 543 | 554 | 579 | 568 | 590 | | | | 647 |
| HYDL-S | 543 | 553 | 578 | 568 | 589 | | | | 647 |
| HYD-S | 542 | 553 | 578 | 568 | 589 | | | | 646 |
| HYND-S | 540 | 546 | 572 | 562 | 586 | | | | 645 |
| IL-C | | 660 | | | | | | | |
| IL-D | 543 | 553 | 578 | 568 | 589 | | | | 647 |
| IN-C | | 660 | | | | | | | |
| IN-D | 543 | 553 | 578 | 568 | 589 | | | | 647 |
| KDS | | 561 | | | 593 | | | | 647 |
| KDV | 538 | 546 | 572 | 562 | 586 | 594 | | | 644 |
| KDVG | 538 | 546 | 572 | 562 | 586 | 594 | | | 644 |
| KFMF | 538 | 546 | 572 | 562 | 586 | 594 | | | 644 |
| KFV | 538 | 546 | 572 | 562 | 586 | 594 | | | 644 |
| KNCS | | 651 | | 661 | 665 | 667 | 681 | 690 | |
| KNCS-N | | 651 | | 661 | 665 | 667 | 681 | 690 | |
| KNCS-NB | | 651 | | 661 | 665 | 668 | 681 | | |

Produktübersicht | Product Overview

Spannbacken nach Futtertyp | Chuck Jaws sorted by Chuck Type

| Futtertyp | Backenrohlinge | Weiche Aufsatzbacken | Verzahnte Stangen | Weiche Segment-Aufsatzbacken | Harte Aufsatzbacken | Harte Krallenbacken | Blockbacken | Pendelbacken | Nutensteine |
|-------------------|-------------------|----------------------|----------------------|--------------------------------|----------------------|-----------------------|-------------------|----------------------|---------------|
| <i>Chuck type</i> | <i>Jaw blanks</i> | <i>Soft top jaws</i> | <i>Serrated bars</i> | <i>Soft full grip top jaws</i> | <i>Hard top jaws</i> | <i>Hard claw jaws</i> | <i>Block jaws</i> | <i>Pendulum jaws</i> | <i>T-nuts</i> |
| SMW | | | | | | | | | |
| KNCS-NBX | | 656 | | 662 | 666 | 671 | 682 | | |
| KZF | 539 | 547 | 573 | | | | | | 644 |
| KZF-ES | 539 | 547 | 573 | | | | | | 644 |
| LP | 540 | 547 | 573 | 563 | 587 | | | | 644 |
| NT-D | 540 | 546 | 572 | 562 | 586 | 595 | | | 645 |
| NT-M | 544 | 557 | 582 | 570 | 591 | 606 | | | 645 |
| ODL | 539 | 547 | 573 | 563 | 587 | | | | 644 |
| ODN | 539 | 547 | 573 | 563 | 587 | | | | 644 |
| RMG | | 651 | | 661 | 665 | | 681 | | |
| SP | 540 | 546 | 572 | 562 | 586 | | | | 644 |



SCHUNK
SZKA 266

Spannbacken von SCHUNK

Chuck Jaws from SCHUNK

Das weltweit größte Spannbackenprogramm überzeugt.

Mit mehr als 1.200 verschiedenen Typen steht Ihnen das weltweit größte Standardbacken-Programm für jeden erdenklichen Einsatz auf Dreh- und Spannfuttern zur Verfügung.

Mehr als 15 Mio. Standard-Spannbacken haben seit 1966 das Haus SCHUNK verlassen und sind weltweit im Einsatz. Ca. 60.000 individuelle Sonderlösungen für die Werkstückspannung ergänzen das Leistungs-Portfolio.

Überzeugen Sie sich von höchster Sicherheit, Funktionalität, Präzision und Individualität.

The world's largest chuck jaw program convinces.

With more than 1,200 different types the world's largest standard chuck jaw program is available for any imaginable application on lathe and clamping chucks.

Since 1966, SCHUNK has sold more than 15 million standard chuck jaws which are in use worldwide. Appr. 60,000 individual solutions for workpiece clamping complete the performance portfolio.

Convince yourself of highest safety, functionality, precision and individuality.

Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

SCHUNK Spannbacken-Quickfinder im Internet

Unter www.schunk.com/Backen-Quickfinder erhalten Sie in Sekundenschnelle einen Überblick zu den möglichen Spannbackenlösungen inklusive der Zubehörprodukte wie Nutensteine und Schrauben für alle gängigen Drehfutter-Hersteller.

SCHUNK Chuck Jaw Quick Finder on the Internet

At www.schunk.com/chuck-jaw-quickfinder, you will quickly receive an overview on possible chuck jaw solutions, including accessory products such as T-nuts and screws.

The screenshot shows a web application interface for finding chuck jaw solutions. It features a search bar at the top, followed by several sections of data tables. Each table is accompanied by a small image of a chuck jaw component. The tables contain columns for various technical specifications and part numbers. The interface is designed to be user-friendly and informative, providing a quick overview of available solutions.



Spannbacken von SCHUNK | *Chuck Jaws from SCHUNK*

- **Schneller durch geführte Produktsuche**
Vorgegebene Auswahlmenüs erleichtern die Suche.
 - **Schneller zur passenden Backe**
In nur wenigen Sekunden werden die passenden Spannbacken mit den dazugehörigen Zubehörprodukten übersichtlich dargestellt.
 - **Schneller zur qualifizierten Anfrage**
Ein Onlineformular ermöglicht eine eindeutige Anfrage.
 - **Schneller zum Standard-Spannbackenangebot**
Angebote zu Standard-Spannbacken sind an allen Arbeitstagen zwischen 7:00 und 17:00 Uhr innerhalb von 55 Minuten nach Eingang der Anfrage garantiert.
 - **Schneller rund um die Uhr**
Abfrage und Anfrage sind online zu jeder Uhrzeit möglich.
 - **Schnelle, individuelle Produktkonfiguration und -modifikation**
Einfach Ihre gewünschten Änderungen eingeben und absenden. Sie erhalten innerhalb von 24 Stunden Ihr individuelles Angebot.
- *Faster through guided product search*
Prescribed selection menus facilitate the search.
 - *Find the right jaw faster*
In just seconds the suitable chuck jaws with the associated accessory products are presented.
 - *A faster qualified enquiry*
An online form enables a clear enquiry.
 - *A faster standard chuck jaw quotation*
Quotations for standard chuck jaws are guaranteed within 55 minutes after receipt of the enquiry on all workdays between 7 a.m. and 5 p.m.
 - *Faster – around the clock*
Information retrieval and requests are possible online 24 hours a day.
 - *Faster, individual product configuration and modification*
Just enter your desired changes and send them. You will then receive an individual quotation within 24 hours.

Die neue SCHUNK Spannbacken-App – jetzt mobil jederzeit verfügbar

Alles im Griff – die neue Spannbacken-App

Mit unserer neuen App für Ihr Smartphone ist das komplette SCHUNK-Spannbacken Sortiment stets zur Hand und schnell bestellt.

Downloads unter **iTunes** oder **Android**

The new SCHUNK Chuck Jaw-App – any time available via mobile phone

Everything under control – the new chuck jaw-app

With our new app for your smartphone, the complete SCHUNK chuck jaw assortment is always available and easy to order.

Downloads at iTunes or Android



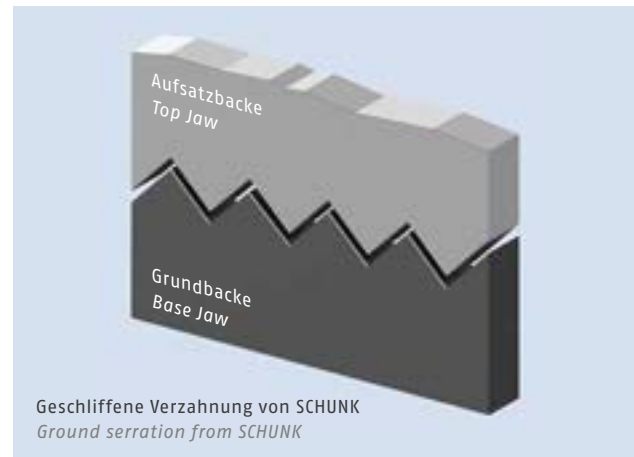
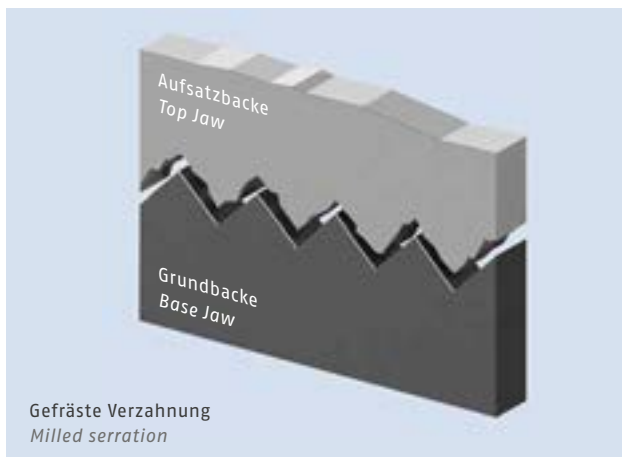
Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

SCHUNK setzt Standards in Qualität, Technologie und Produktvielfalt.

Als erster Hersteller begann SCHUNK die Nut und die Spitzverzahnung bei harten Spannbacken zu schleifen! Damit erzielen wir eine deutlich bessere Wiederholgenauigkeit.

SCHUNK sets standards in quality, technology and product variety.

SCHUNK was the first manufacturer that started grinding the slot and fine serration of hard chuck jaws. As a result, we achieve a considerably improved repeat accuracy.



Geschliffene Nut und Verzahnung

Geschliffene Verzahnungen sind präziser und haben eine höhere Passgenauigkeit als gefräste. Das bedeutet, dass die Grundbacken geschont werden und dauerhaft einsatzbereit bleiben.

Ground slot and fine serration

A ground serration is more precise and has a more exact fit than a milled serration. That means that the base jaws are subject to less wear and last much longer.

Feingefräster Kreuzversatz

Bei weichen Aufsatzbacken werden die Auflageflächen höhen- gleich, in einer Aufspannung, innerhalb 0.02 mm feingefräst. Die präzise Ausführung der Schnittstelle sichert höchste Wiederholgenauigkeit und überdurchschnittliche Lebensdauer.

Fine milled tongue and groove

Soft top jaws are milled evenly in height at the supporting face, in one set-up within 0.02 mm. The precision design of the interface ensures the highest repeat accuracy and an unusually long service life.



Grundbacke mit Spitzverzahnung
Base jaw with fine serration



Geschliffene Verzahnung
Ground serration



Feingefräster Kreuzversatz
Fine milled tongue and groove

Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

Einzigartig! Das größte Grundbackenprogramm für alle Futtertypen

Universal-Grundbacke für Keilstangenfutter

SCHUNK bietet für den Einsatz von spitzverzahnten Aufsatzbacken gehärtete, präzisionsgeschliffene Grundbacken für maximale Wiederholgenauigkeit und perfekt abgestimmte Kraftübertragung. Die absolute Genauigkeit gewährleistet die präzise Verbindung und verhindert im Einsatzfall ein Kippen der Aufsatzbacke.

Vorteile für eine perfekte Werkstückspannung:

Advantages for perfect workpiece clamping:

- Hohe Flexibilität, um spitzverzahnte Spannbacken auf Keilstangenfutter einzusetzen
- *High flexibility, for using fine serrated chuck jaws on wedge bar chucks*
- Geschliffene Auflagefläche sichert eine hohe Pass- und Wechselgenauigkeit
- *Ground supporting surface ensures a high accuracy of fit and repeat accuracy*
- Geschliffene Verzahnung sichert hohe Präzision und Oberflächengüte der Grundbacken, 30 – 40 % weniger Verschleiß
- *Ground serration ensures a high precision and surface quality of the base jaws, and about 30 – 40% less wear.*
- Spannsicherheit durch Eliminieren des Aufklippens der Spannlösung
- *Safe clamping since the danger that the clamping solution will tilt is eliminated.*

Schräg- und gerade verzahnte Grundbacken

Sollte auf Ihrem Backen-Schnellwechselfutter mit den Krallenbacken eine lückenlose Spannung nicht möglich sein, so können zum Beispiel Spannlücken durch Grundbacken mit 1/2-Zahnversatz überbrückt werden.

Die Vorteile | *The advantages:*

- Überdurchschnittliche Lebensdauer aufgrund hoher Materialgüte und nachhaltiger Produktionsverfahren
- *Above-average life time due to the high material quality and sustainable production methods.*
- Einfache und schnelle Handhabung durch hohe Maß- und Passgenauigkeit
- *Quick and easy handling due to the high dimensional and fitting accuracy*
- Niedrige Rüstzeiten durch Einwechseln einer Spanneinheit bestehend aus Grund- und Aufsatzbacke in das Spannfutter
- *Low set-up times since one clamping unit is exchanged. It consists of base and top jaws integrated in the chuck.*

Unique! The largest base jaw program for all chuck types

Base jaws for wedge bar lathe chucks

For the use of fine serrated top jaws, SCHUNK offers hardened, precision ground base jaws for maximum repeat accuracy and perfectly adapted power transfer. The absolute precision guarantees the precise connection and prevents the top jaw from tilting during use.



Base jaws with straight and angled serration

If continuous coverage of the clamping range cannot be assured by your quick jaw change chuck and claw jaws, base jaws (1/2 pitch) should be used.



Spannbacken von SCHUNK | Chuck Jaws from SCHUNK



Individuell! Backenrohlinge

Weiche Backenrohlinge für den universellen Einsatz werden bei SCHUNK auf Kundenwunsch nach individuellen Abmessungen gefertigt. Sie erhalten Backenrohlinge gebohrt oder ungebohrt oder für höchste Ansprüche an Präzision und Rundlaufgenauigkeit in der Ausführung mit durchgeschliffener Nut und Verzahnung.

Die Vorteile:

- Überdurchschnittliche Nutzungsdauer durch hohe Qualitätsstandards bei Material und Verarbeitung
- SCHUNK-Backenrohlinge sind in vielen Abmessungen und Formen verfügbar (größtes Produktprogramm)
- Beste Verfügbarkeit durch 24 h-Lieferservice

Individual! Jaw Blanks

On request, SCHUNK produces soft jaw blanks for universal use according to custom measurements. You receive jaw blanks drilled or undrilled or with a ground slot and serration for the highest demands on precision and concentricity.

The advantages:

Above-average service life due to high quality standards of material and machining

SCHUNK jaw blanks are available with many dimensions and shapes (largest product range)

Best availability due to the 24-h delivery service



Patentiert! Zangenbacken

Das patentierte Zangenbackensystem ist speziell zur Stangenbearbeitung von kleinen Werkstückdurchmessern geeignet. Die Zangenbacken werden mit großer Wiederholgenauigkeit über die stirnseitige Verzahnung der Futtergrundbacke fixiert.

Die Vorteile:

- Verbesserung der Zerspanleistung durch innovative Spannbacken-Technologie
- Hohe Spannsicherheit, da kein Aufkippen der Backen aufgrund form-schlüssiger Verbindung
- Kompakte Spannsituation schont die teuren Komponenten Grundbacken und Spannfutter

Patented! Collet Jaws

The patented system of collet jaws is particularly used for bar machining of small workpiece diameters. Collet jaws have a high repeat accuracy and are fixed via the serration on the face of the chuck's base jaw.

The advantages:

Improved cutting performance due to the use of innovative chuck jaw technology

High clamping safety since the jaws cannot tilt due to the form-fit connection

Compact clamping situation prevents the expensive components base jaws and chuck from damage



Langlebig! Nutensteine

Nutensteine dienen zur Befestigung und Positionierung der Aufsatzbacken auf der Grundbacke. Sie sind damit unverzichtbarer Bestandteil einer sicheren Spannlösung. Dies erfordert robuste und hochgenaue Produkte, um gefahrlos eine lange Nutzungsdauer zu gewährleisten.

Die Vorteile:

- Höhere Wechselgenauigkeit durch geschliffene Führungen
- SCHUNK-Nutensteine sind in vielen Abmessungen und Formen verfügbar (größtes Produktprogramm)
- Beste Verfügbarkeit durch 24 h-Lieferservice

Long-lasting! T-nuts

T-nuts are used for fastening and positioning the top jaws on the base jaws. They are an indispensable component of a safe clamping solution. It requires robust and high-precision products for ensuring a long service life.

The advantages:

Higher repeat exchange accuracy due to the use of ground guidances

SCHUNK T-nuts are available in many dimensions and shapes (largest product range)

Best availability due to the 24-h delivery service

Spannbacken von SCHUNK | Chuck Jaws from SCHUNK



Effizient! Universal-Aufsatzbacken

Mit metrischem Kreuzversatz für alle Keilstangen-Kraftspannfutter (Backen-Schnellwechsel) verwendbar. Für Innen-, Außen- und Stangenspannung, sehr großer Spannbereich und vieles mehr. Das senkt Ihre Rüstzeiten/-kosten und ermöglicht wirtschaftliches Arbeiten.

Rüstkostenreduzierung

Die Universal-Aufsatzbacken mit metrischem Kreuzversatz sind auf allen Keilstangen-Drehfuttern (z.B. Backen-Schnellwechselfutter Typ ROTA THW plus) einsetzbar. Vor allem bei kleinen und unterschiedlichen Losgrößen werden Rüstzeiten und damit Rüstkosten durch die Vielseitigkeit der Backen gesenkt.

Flexibilität

Mit einem Satz Universal-Aufsatzbacken können Werkstücke am Innen- und Außendurchmesser gespannt werden. Auch für Stangensbearbeitung einsetzbar.

Wirtschaftlich

Durch die Verwendung der Universal-Aufsatzbacken können mit einem Satz bis zu 5 Spannstellungen abgedeckt werden. Das senkt ebenfalls Ihre Rüstzeiten und Rüstkosten und ermöglicht wirtschaftliches Arbeiten.

Ihre Vorteile:

- Für Innen-, Außen- und Stangenspannung
- Sehr großer Spannbereich
z.B. bei SCHUNK ROTA THW plus Backen-Schnellwechselfutter
- 2 Gewinde für Werkstückanschläge/Auflagebolzen
- Geringe Werkstück-Einspanntiefe möglich
- Rüstzeit-Minimierung: 1 Satz Universal-Aufsatzbacken für max. 5 Spannungen

Efficient! Universal Top Jaws

With metric tongue and groove for all wedge bar power chucks (quick jaw change) suitable. For inner, outer and bar stock clamping, very large clamping range and many more. Reduces your set-up time and set-up costs and offers economical production.

Reduced set-up times

The universal top jaws with metric tongue and groove can be used on all wedge bar lathe chucks (for example quick jaw change chucks ROTA THW plus). The versatility of the jaws reduces set-up times and therefore also set-up costs, particularly with small and varying lot sizes.

Flexibility

Workpieces can be clamped on the internal and external diameter using a set of universal top jaws. Can also be used for bar work.

Economical

The use of universal top jaws means that up to 5 different application possibilities can be achieved with one set. This reduces set-up times and costs and permits economical operation.

Your advantages:

- For internal, external and bar clamping
- Very large clamping range
e.g. SCHUNK ROTA THW plus quick-jaw-change chuck
- 2 threaded holes for workpiece stops/workpiece bolts
- Low workpiece clamping depth possible
- Reduces set-up time: 1 set universal top jaws for max. 5 clamping operations

Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

Noch mehr Biss! SCHUNK Krallenbacke Mit verbesserter Zahnkontur

Wenn es um die hohe Übertragung von Drehmomenten geht, sorgen Krallenbacken mit dem richtigen Biss für die sichere und verschleißarme Werkstückspannung. Die spitzen Verzahnungen krallen sich schnell in die Werkstückoberfläche und ermöglichen sicheres Spannen.

Ihre Vorteile:

- Hohe Flexibilität bei den Spannbereichen führt zu deutlich niedrigeren Investitionskosten
- Formschlüssiger Halt des Werkstücks bei hoher Zerspanungsleistung und optimaler Spannkraft
- Zusätzliche dritte Zahnreihe (ab Futterdurchmesser 200 mm) erlaubt bei einer fliegenden Bearbeitung höhere Schnittdaten (Vorschub, Spanntiefe, etc.)
- Umfangreiches Produktprogramm für Innen- und Außenspannung
- Beste Verfügbarkeit durch 24 h-Lieferservice

More bite! SCHUNK Claw Jaws With improved tooth contour

When it comes to the high transmission of torque, standard claw jaws provide the right bite for secure and low-wear tool clamping. The fine serrations quickly dig into the workpiece surface and ensure secure clamping.

Your advantages:

- High flexibility of the clamping areas leads to considerably lower investment costs.
- Form-fit hold of the workpiece at a higher cutting performance and optimum clamping force.
- Additional third tooth row (from chuck diameter 200 mm) ensures higher cutting data (feed rate, clamping depth, etc.) at an "on-the-fly machining."
- Vast product range for I.D. and O.D. clamping.
- Best availability due to the 24-h delivery service.



Absolute Sicherheit mit SCHUNK durch:

Zentrisch wirkende Spannkraft = optimaler Spannkraftverlauf! Überbrückung eines großen Spannbereiches mit nur einem Satz Backen

Absolute safety with SCHUNK through centrally acting clamping force! Optimum clamping force progression! Only one set of chucks jaws necessary to cover a large clamping range.



Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

Unverzichtbar!
SCHUNK Krallenbacke
Jetzt 50 % größerer Spannbereich

Indispensable!
SCHUNK Claw Jaws
Covers a 50% larger clamping range now



Das SCHUNK Krallenbackensortiment steht für höchste Flexibilität an Standard aus dem Baukasten – günstig im Preis, variabel im Einsatz.

Wo andere Anbieter große Spannbereiche nur mit kostenintensiven Sonderlösungen oder mit mehreren Backen realisieren können, bietet SCHUNK mit der einen Krallenbacke einen maximal möglichen Spannbereich.

The SCHUNK claw jaw range stands for highest flexibility of standard chuck jaws from the modular system. Favorable in price, variable applications.

Where other suppliers can only offer cost-intensive special solutions or several chuck jaws for covering a large clamping range, SCHUNK achieves a maximum possible clamping range with just one claw jaw.

- **Höchste Flexibilität durch Standardisierung**
Die Kombinationsmöglichkeiten von Grund-, Zwischen- und Aufsatzbacken erweitern den Anwendungsbereich von Standard-Komponenten um bis zu 50 %.
- **Größerer Spannbereich – weniger Investitionskosten**
Mit einem minimalen Invest an Spannbacken-Sätzen können ab sofort unterschiedlichste Werkstückspannbereiche wirtschaftlich realisiert werden.
- **Einfache Anfrage – schnelle Lösung**
Drehfutter-Daten plus die unterschiedlichen Werkstückgeometrien angeben – und SCHUNK erstellt die modulare Spannbackenlösung.

- **Greater flexibility with standardization**
The combination possibilities of base, intermediate and top jaws expand the application range of standard components by up to 50%.
- **Larger clamping range – lower investment costs**
With a minimal investment in chuck jaw sets, the widest range of workpiece clamping ranges can be achieved immediately and affordably.
- **Simple query – fast solution**
Specify the rotary chuck data plus the various workpiece geometries – and SCHUNK provides the modular chuck jaw solution.

Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

Präzisionswunder! Pendelbacken

Die klügere Spannbacke gibt nach. Standardisierte Pendelbacken von SCHUNK ermöglichen kostengünstiges und sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke.

So flexibel wie die Backen, so effizient sind die Lösungen: Innerhalb kürzester Zeit lassen sich konventionelle 3-Backen-Futter kostengünstig auf eine 6-Punktspannung umrüsten.



A precision miracle! Pendulum Jaws

A good chuck jaw has to compensate. Standardized pendulum jaws from SCHUNK enable affordable and secure clamping of thin-walled workpieces which are at risk of deformation.

The flexibility of the jaws is only matched by the efficiency of the solutions: Within the shortest amount of time, conventional three-jaw chucks can be affordably converted to six-point clamping.

1 6-Punkt-Pendel

Pendelbacken werden zum Spannen von dünnwandigen Werkstücken eingesetzt. Durch die gleichbleibende Anordnung der Spannstellen am Umfang ($6 \times 60^\circ$) wird die Deformation des Werkstücks entscheidend verringert.

6-Point-Pendulum

Pendulum jaws are used to clamp thin-walled workpieces. Deformation of the workpiece is significantly reduced by the uniform arrangement of the clamping points on the perimeter ($6 \times 60^\circ$).

2 12-Punkt-Pendel

Für noch dünnwandigere Werkstücke empfehlen wir Pendelbacken mit 12 Spannpunkten. Unsere technischen Berater verfügen über Berechnungsprogramme, um festzustellen, ob ein 6-Punkt- oder ein 12-Punkt-Pendel einzusetzen ist.

12-Point-Pendulum

For workpieces with even thinner walls, we recommend pendulum jaws with 12 clamping points. Our technical consultants use calculation programs to determine whether a 6-point or a 12-point pendulum should be used.

1



2



Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

Zusammenbau PNS

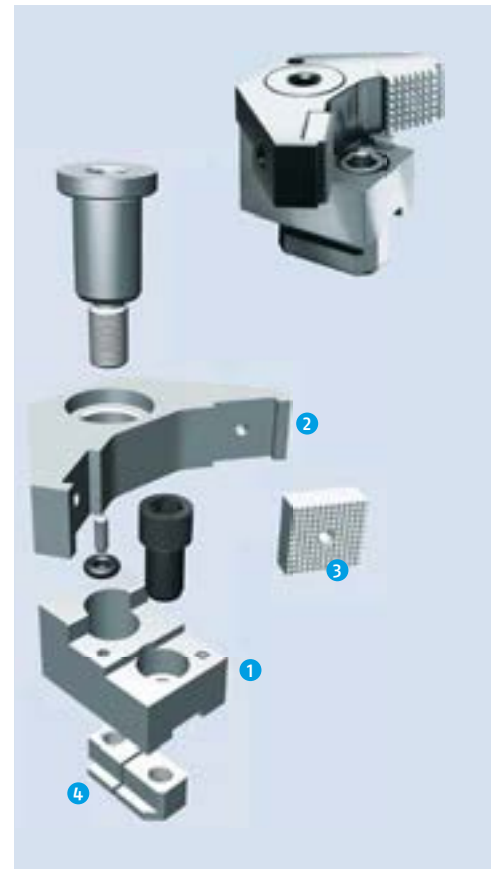
Die Pendelbacke Typ PNS wird genauso leicht auf der Grundbacke Ihres Kraftspannfutters montiert wie eine normale einteilige Aufsatzbacke (z.B. SWB). Der Lagerbolzen befestigt sowohl die Pendelbrücke auf der Trägerbacke als auch das ganze System auf dem Futter. Um andere Werkstückdurchmesser zu spannen, werden die Pendelbrücken einfach ausgewechselt. Durch das Auswechseln von einzelnen Modulen können große Durchmesserbereiche kostengünstig abgedeckt werden.

- 1 Trägerbacke mit Lagerbolzen
- 2 Pendelbrücke
- 3 Spanneinsätze
- 4 Nutensteine

Assembly PNS

The pendulum jaw type PNS is as easily mounted onto the base jaw of your power chuck as a normal one-piece top jaw (e.g. SWB). The pivot bolt secures the pendulum body to the support jaw and the entire system to the chuck. To clamp workpieces of different diameters, the pendulum bodies are simply exchanged. The ability to substitute individual modules means that large clamping ranges can be covered cost-effectively.

- 1 Support jaw with pivot bolt
- 2 Pendulum body
- 3 Clamping inserts
- 4 T-Nuts



Zusammenbau PNK

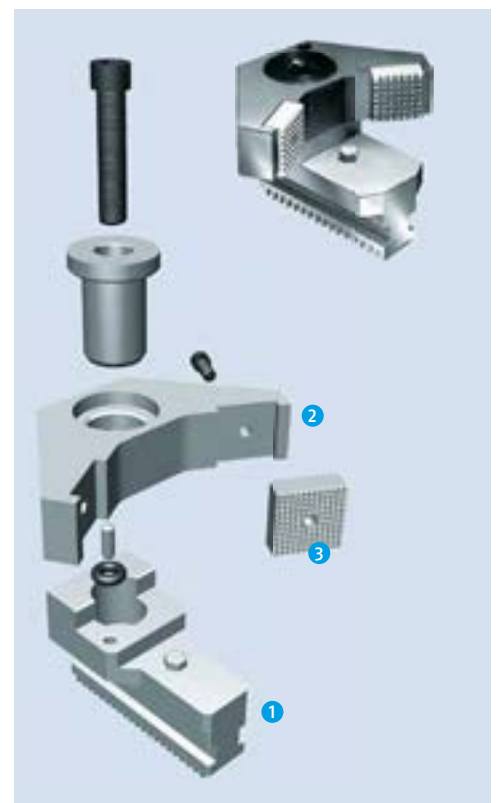
Der Typ PNK ist eine Pendelbacke für Backen-Schnellwechselfutter und kann somit sehr einfach und schnell in das Drehfutter eingesetzt werden. Um andere Werkstückdurchmesser zu spannen, werden die Pendelbrücken einfach ausgewechselt. Durch das Auswechseln von einzelnen Modulen können große Durchmesserbereiche kostengünstig abgedeckt werden. Durch die stabile Bauweise kann dabei die maximale Spannkraft des Futters genutzt werden.

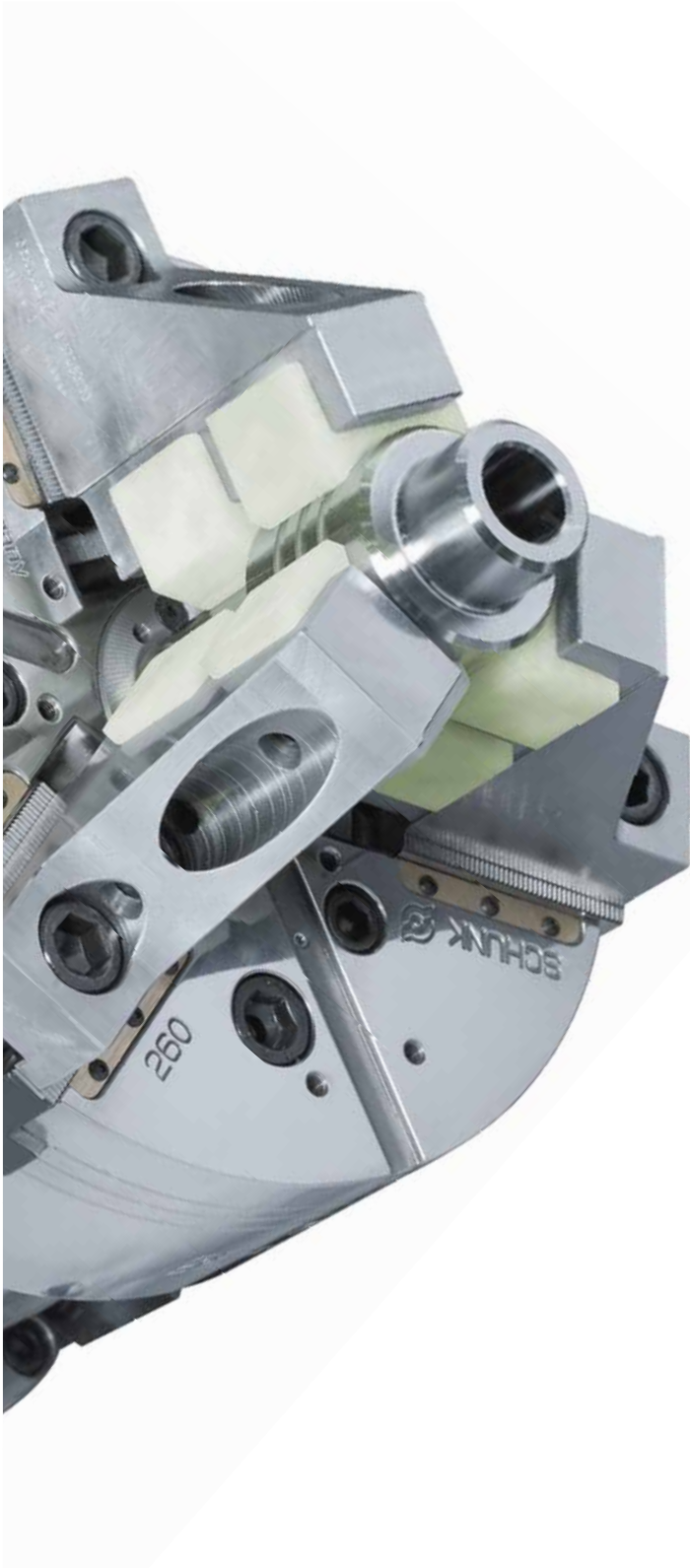
- 1 Trägerbacke mit Lagerbolzen
- 2 Pendelbrücke
- 3 Spanneinsätze

Assembly PNK

The PNK is a pendulum jaw for quick jaw change chucks and is thus very easily and quickly inserted into the chuck. To clamp workpieces of different diameters, the pendulum bodies are simply exchanged. The ability to substitute individual modules means that large diameter ranges can be covered cost-effectively. Due to the stable design, the maximum clamping force of the chuck can be used.

- 1 Support jaw with pivot bolt
- 2 Pendulum body
- 3 Clamping inserts





Kraftvoll! QUENTES Kunststoffbacken

Kraftvoller Halt bei maximaler Schonung der Oberfläche – dafür sorgen die QUENTES Kunststoffbacken. Der verwendete Glasfaserverbundstoff ermöglicht einen hohen Reibwert und verhindert Spannmarkenbildung auf der Werkstückoberfläche. Die Aufspannung erfolgt vollkommen spurlos.

Ihre Vorteile:

- **Hoher Reibwert** durch Verwendung eines glasfaserverstärkten Kunststoffes (ca. 0.3 – 0.4)
- **Schonende Spannung**, feinste Oberflächen, keine Spannmarkenbildung, hervorragend geeignet für geschliffene oder oberflächenbehandelte Teile
- **Kostengünstiges System** durch wechselbare Spanneinsätze
- **Leichte und stabile Bauweise** für hohe Drehzahlen geeignet
- Umfassende Werkstückanlage für **deformationsarmes Spannen** von bearbeiteten Teilen

Powerful! QUENTES Fiberglass Jaws

Powerful hold with minimal impact on the surface – the key features of the QUENTES plastic jaws. The fiberglass composite material enables a high friction coefficient and prevents the formation of clamp marks on the workpiece surface. No trace of the clamping is left behind.

Your advantages:

- **High coefficient of friction** due to the use of glass fiber reinforced Poly-A (approx. 0.3 to 0.4)
- **Gentle clamping**, smooth surface finish leaves no marks from clamping, perfectly suitable for ground or surface treated parts
- **Cost effective** due to the interchangeable clamping insert
- **Light weight and stable design** or very high RPM
- **Large bearing surface** for low-deformation clamping

QUENTES 20



QUENTES 10



Spannbacken von SCHUNK | Chuck Jaws from SCHUNK

Mit SCHUNK schneller! Backen-Schnellwechselsystem

SCHUNK Schnellwechselbacken überzeugen durch ihre einfache Handhabung und reduzieren die Rüstzeit durch sekundenschnellen Backenwechsel.

Ohne Versetzen der Trägerbacke kann ein extrem großer Spannbereich über die Wechseleinsätze realisiert werden.

Ihre Vorteile:

- **Umfangreiches Produktspektrum** für alle gängigen Spannfutter und Verzahnungen
- **Flexibilität** durch weiche Spanneinsätze, die optimal auf Ihre Werkstückkonturen abgestimmt werden können
- Die Spannkantur ist induktiv **härtbar**
- **Hohe Einsatzdauer und Wiederverwendbarkeit** durch Verwendung hochwertiger Materialien

Faster with SCHUNK! Quick Jaw Change System

SCHUNK quick-change jaws impress with their easy handling and reduce the set-up time, enabling jaw replacements in a matter of seconds.

Without moving the supporting jaw, an extremely large clamping range can be achieved with the interchangeable inserts.

Your advantages:

- **Vast product spectrum** for all conventional chucks and serrations
- **Flexible** due to the use of soft clamping inserts, which can be perfectly adjusted to your workpiece contours
- The clamping contour can be inductively **hardened**
- **High service life and reuseable** due to the use of high-quality materials

Backenschnellwechsel in 5 sec.
Quick jaw change in 5 sec.



Entriegeln 1 sec.
Unlocking 1 sec.



Wechseln 3 sec.
Changing 3 sec.



Verriegeln 1 sec.
Locking 1 sec.

Trägerbacke Typ BWT, Wechselbacke Typ BWW

- 1 Wechseleinsatz nach oben abnehmbar, dadurch auch für kleinste Spann- \varnothing hervorragend geeignet
- 2 Wechseleinsatz mit extrem großem Spannbereich ohne Versetzen der Trägerbacke
- 3 Große Auflage- und Abstützflächen gewährleisten optimale Stabilität und Wiederholgenauigkeit (0.02 mm)
- 4 Eingebauter Druckbolzen sichert die Verriegelungsachse gegen selbsttätiges Lösen

Support Jaw Type BWT, Exchangeable Insert Type BWW

- 1 Exchangeable insert can be taken off from the top, therefore it is also suitable for the smallest clamping diameters
- 2 Exchangeable insert with extremely large clamping range without offsetting the supporting jaw
- 3 Large bearing surfaces and supporting surfaces guarantee an optimal stability and repeatability (0.02 mm)
- 4 An integrated pressure bolt secures the locking axis against self-acting unlocking



SCHUNK Sonder-Spannbacken

SCHUNK Speciality Chuck Jaws

Spannkonzepete auf den Punkt entwickelt

Bei SCHUNK Sonder-Spannbacken profitieren Sie vom Know-how des weltgrößten Anbieters für Spannbacken. Welche spezifischen Anforderungen Ihr zu spannendes Werkstück auch hat, unsere Ideen verschaffen Ihnen einen entscheidenden Wettbewerbsvorteil:

Exakt angepasst an Werkstück und Bearbeitungsprozess steigern Sie Ihre Wirtschaftlichkeit und stärken Ihre Marktposition nachhaltig.

Ob modifizierte Standardbacke oder anspruchsvolle Sonderanfertigung für deformationsarmes Spannen, Fertigteil- oder Rohteilspannung – unser Expertenteam entwickelt individuell für jede Anwendung die richtige Lösung.

Mehr als 60000 individuell entwickelte Sonder-Spannbacken für die Innen- und Außenspannung hat SCHUNK bisher realisiert. Deshalb ist die Partnerschaft mit uns eine Entscheidung für das optimale Konzept. Wir begleiten Sie vom ersten Gespräch bis zur Auslieferung des fertigen Spannelements mit kompetenter und schneller Projektierung inklusive kürzester Lieferzeiten und einem einzigartigen Preis-Leistungs-Verhältnis.

Fordern Sie uns – wir werden Sie überzeugen!

Wirtschaftlichkeit nach Maß seit mehr als 60 Jahren

Für eine Vielzahl von Branchen und unterschiedlichsten Anforderungen entwickelt SCHUNK kundenindividuelle Spannbackenlösungen. Mehr als 60 Jahre Entwicklungskompetenz in der Automobilindustrie und der sichere Halt bei technischen Komponenten mit Blick auf Effizienz und Langlebigkeit. All dies macht unsere Spannkonzepete einzigartig. Eine Erfahrung, die auch führende Hersteller von Windkraftanlagen und aus Elektroindustrie sowie Medizintechnik nutzen.

Minimized clamping concepts

Users who apply SCHUNK specialty chuck jaws, benefit from the know-how of the supplier with the world's largest chuck jaw program. No matter which specific requirement the workpiece has, our ideas will offer you a decisive competitive advantage: Perfectly adjusted to the workpiece and machining operation increase your efficiency, and strengthen your market position.

No matter if modified standard chuck jaws, special manufacturing for deformation-free clamping, finished part or raw parts clamping is concerned – our team of experts develops the right solution for every application.

To date, SCHUNK has developed more than 60 000 individually adapted specialty chuck jaws for I.D. and O.D. clamping. Therefore the partnership with us is a decision for the optimum concept. We will accompany you from the first discussion to the delivery of the ready-machined clamping elements with a competent and fast project management including shortest delivery times, and a unique cost-performance ratio.

Contact us – we will convince you!

Tailored efficiency from more than 60 years.

SCHUNK develops custom-made chuck jaw solutions for numerous industries and various requirements. More than 60 years of development competence in the automotive industry, and the secure hold of technical components with a view to efficiency and longevity. All these features make our clamping concept second to none. An experience, which is also used by leading suppliers of wind power stations, the electrical industry and medical industry.

Sonder-Spannbacken | Customized Jaws

Ihr Weg zu passenden Sonder-Spannbacken | Your Way to adapted speciality Chuck Jaws

SCHUNK Sonder-Spannbacken vereinen hohe Wirtschaftlichkeit mit hochgenauer Präzision und exakter Erfüllung der Prozessanforderung.

Um den optimalen Lösungsvorschlag für Ihre Spann Anforderung zu realisieren, sind folgende Grundanforderungen zu bestimmen:

- Wird das Werkstück in Innen- oder Außenspannung gespannt?
- Handelt es sich um eine Spannung in einem Drehfutter oder um stationäre Spannung?
- Ist das Werkstück drehsymmetrisch oder unförmig?
- Welche Form- und Lagetoleranz oder Einschränkungen gilt es einzuhalten?
- Welche Werkstücke sollen in welcher Losgröße bearbeitet werden?
- Aus welchem Werkstoff bestehen die Werkstücke?
- Wird die Maschine manuell oder automatisch beladen?
- Wie flexibel muss die Maschine genutzt werden können?
- Wird eine Positionierung mit Lageabfrage benötigt?
- Welche Schnittwerte sollen erreicht werden?

Schneller Kontakt! Schnellere Produktverfügbarkeit!

Folgende Kontaktmöglichkeiten stehen Ihnen zur Verfügung:

1. Checkliste/Anfragebogen (sehen Sie auch Seite 44)
2. SCHUNK Spannbacken-App (erhältlich über iTunes oder Android)
3. Spannbacken Quickfinder im Internet unter www.schunk.com/Backen-Quickfinder
4. Persönliche Anfrage über unsere Technischen Berater (telefonisch oder per Facetime)

Kontaktmöglichkeiten:

Hotline: +49-133-103-2750

Fax: +49-7133-103-2139

E-Mail: sonderbacken@de.schunk.com

The SCHUNK special chuck jaws combine high efficiency with high precision, and exact fulfillment of the process requirements.

In order to produce the optimum proposal for solution for your clamping requirement, the following basic requirements have to be determined:

- *Is the intended workpiece clamping method I.D. or O.D. clamping?*
- *Will we clamp in a lathe or do we have to quote for stationary clamping?*
- *Is the workpiece rotational symmetric or bulky?*
- *Which tolerance on shape or position do we have to meet? Are there any restrictions?*
- *What will be the lot size of the individual workpieces?*
- *What is the workpiece material?*
- *Will the machine be loaded manually or automatically?*
- *How flexibly will the machine be used?*
- *Is a positioning with position monitoring required?*
- *Which cutting date has to be achieved?*

Fast Contact! Fast Product Availability!

The following contact possibilities are available:

1. *Check-list/Questionnaire (See page 45)*
2. *SCHUNK chuck jaw-app (available via iTunes or Android)*
3. *Chuck jaw quickfinder in the internet www.schunk.com/jaw-quickfinder*
4. *Personal inquiry via our technical consultants. (via phone or facetime)*

How to contact us:

Hotline: +49-133-103-2750

Fax: +49-7133-103-2139

E-Mail: sonderbacken@de.schunk.com

Sonder-Spannbacken | Customized Jaws

Wählen Sie die passenden Sonder-Spannbacken anhand der erforderlichen Kriterien hier aus:
 Choose the matching special chuck jaw according to the criteria below:

| Kriterien Criteria | | oder or | | | |
|------------------------------|---|---|--|---|--|
| | | Innenspannung <i>I.D. clamping</i> | | Außenspannung <i>O.D. clamping</i> | |
| | | oder or | | oder or | |
| | | Drehfutter <i>Lathe</i> | Stationär <i>Stationary</i> | Drehfutter <i>Lathe</i> | Stationär <i>Stationary</i> |
| | | drehsymmetrisch <i>rotational symmetric</i> | oder or unförmig <i>bulky</i> | drehsymmetrisch <i>rotational symmetric</i> | oder or unförmig <i>bulky</i> |
| | | Rohteil <i>Raw part</i> | Fertigteil <i>Finished part</i> | Rohteil <i>Raw part</i> | Fertigteil <i>Finished part</i> |
| Anforderungen Requirements | | Hohe Haltekraft <i>High holding force</i> | Deformationsfreies Spannen <i>Deformation-free clamping</i> | Hohe Haltekraft <i>High holding force</i> | Deformationsfreies Spannen <i>Deformation-free clamping</i> |
| | | Leistungsübertragung (optimierte Haltekraft- und Drehmomentauslegung) <i>Power transfer (optimizing holding force and torque layout)</i> | Oberflächenschonendes Spannen <i>Surface-protecting clamping</i> | Leistungsübertragung (optimierte Haltekraft- und Drehmomentauslegung) <i>Power transfer (optimizing holding force and torque layout)</i> | Oberflächenschonendes Spannen <i>Surface-protecting clamping</i> |
| | | | Wiederholgenaues Spannen (z.B. Automation oder Serienproduktion) <i>Clamping at an excellent repeat accuracy (e.g. automation or serial production)</i> | Spannen über Futterkörper hinaus <i>Clamping of longer workpiece lengths than the diameter of the chuck body</i> | Wiederholgenaues Spannen (z.B. Automation oder Serienproduktion) <i>Clamping at an excellent repeat accuracy (e.g. automation or serial production)</i> |
| | | Hohe Haltekräfte aufgrund hoher Schnittwerte <i>High holding forces due to high cutting values</i> | Hohe Haltekräfte aufgrund hoher Schnittwerte <i>High holding forces due to high cutting values</i> | Hohe Haltekräfte aufgrund hoher Schnittwerte <i>High holding forces due to high cutting values</i> | Hohe Haltekräfte aufgrund hoher Schnittwerte <i>High holding forces due to high cutting values</i> |
| | | | Varianz in Grundgeometrie (Erhöhung des Spannbereiches durch Hublängenverschiebung mit einem Backensatz) <i>Variance in basic geometry (increase of the clamping range due to the shifting of the stroke length with one set of jaws)</i> | | Varianz in Grundgeometrie (Erhöhung des Spannbereiches durch Hublängenverschiebung mit einem Backensatz) <i>Variance in basic geometry (increase of the clamping range due to the shifting of the stroke length with one set of jaws)</i> |
| | | | Schraubenlos (Schnellwechsel zum rüstzeitoptimierten Backenwechsel) <i>Without screws (quick change for a set-up time optimized jaw change)</i> | | Schraubenlos (Schnellwechsel zum rüstzeitoptimierten Backenwechsel) <i>Without screws (quick change for a set-up time optimized jaw change)</i> |
| | Gewichtsreduziertes Spannen <i>Weight-reduced clamping</i> | | Gewichtsreduziertes Spannen <i>Weight-reduced clamping</i> | | |
| | Kleinteilspannen <i>Small part clamping</i> | | Kleinteilspannen <i>Small part clamping</i> | | |

- **Sonder-Grundbacke** – Wir bieten Sondermaße, spezielle Werkstoffe mit höchsten Genauigkeiten
- **Sonder-Nutenstein**
- **Möglichkeit der Positionierungsabfrage**

- *Special base jaw* – We are offering special dimensions, special materials for highest accuracies
- *Special T-nut*
- *Position monitoring possible*

Sonder-Spannbacken | Customized Jaws

Rohteilspannung | Raw part clamping

Optimal ausgelegt auf Werkstück und Bearbeitung

Um ein schnelleres und vor allem sicheres Spannen von Rohteilen zu erreichen, ist es notwendig, durch einen Formschluss zwischen dem Rohteil und den Spannbacken höhere Haltekräfte zu erzeugen.

Sonder-Spannbacken von SCHUNK berücksichtigen die Forderung nach hoher Drehmomentübertragung ebenso wie individueller Auslegung auf das Werkstück oder auch spezielle Anforderungen aus der Serienfertigung.

Beispiel 1

Lösung zum Spannen des Werkstücks auf einem 6-Backenfutter von SCHUNK. Die Backen sind axial pendelnd und aufgrund wechselbarer Spanneinsätze UGE 20 bei Verschleiß kostengünstig im Austausch. Unterstützend wirken axiale Anschläge, welche fest auf dem Futter montiert sind. Dünnwandige Werkstücke können durch diese deformationsarme Spannlösung mit den geforderten Werkstücktoleranzen von 0.03 mm prozesssicher hergestellt werden.

Kundennutzen

Umsetzung einer automatisierten Be- und Entladung, deutlich reduzierter Ausschuss und sinkende Prüfzyklennotwendigkeit.

Perfectly adjusted to workpiece and machining

In order to achieve a fast and particularly secure clamping of raw parts it is necessary to generate higher holding forces which will then improve the form-fit clamping between raw part and chuck jaw.

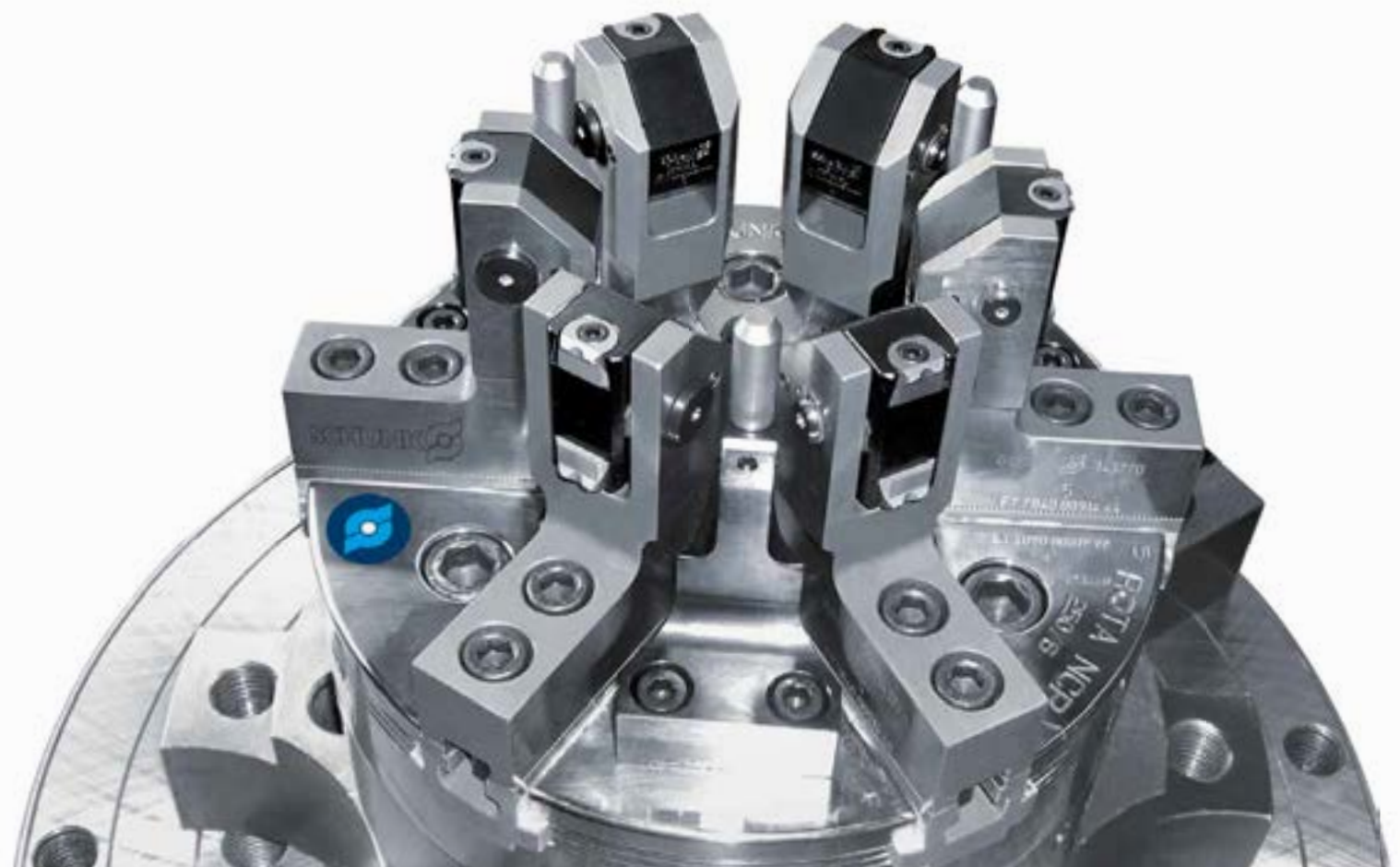
Special chuck jaws from SCHUNK take all the requirements of a high torque transmission, individual adaption to the workpiece, and the special requirements for serial production into account.

Example 1

Solution for clamping the workpiece on a 6-jaw chuck from SCHUNK. The jaws are axially oscillating, and in case of wear, the used exchangeable clamping inserts UGE 20 can be cost-effectively exchanged. Axial stops have a supporting effect. They are firmly mounted on the chuck. Due to the low-deformation clamping solution, it is possible to manufacture thin-walled workpieces with the required workpiece tolerances of 0.03 mm process-reliably.

Customer benefits

Implementation of an automatic loading and unloading process, significantly reduced defective parts, and reduced test cycles.



Sonder-Spannbacken | Customized Jaws

Rohteilspannung | Raw part clamping



Beispiel 2

Lösung zum Spannen eines Werkstücks über einen konischen Innendurchmesser auf einem 2-Backen-Spannfutter von SCHUNK. Backe 1 ist am inneren Spannrand mit einem Pendelaufsatz versehen. Radial und am äußeren Spannrand wirken Spanneinsätze optimal auf die Formschräge. Backe 2 spannt über einen Pendelaufsatz zwischen den 2 Spannstellen von Backe 1. Dadurch wird eine gleichmäßige und sichere Spannung erreicht.

Kundennutzen

Steigerung der Durchlaufzeiten um 20 %, Reduzierung des verformungsbedingten Ausschusses.



Example 2

Solution for clamping a workpiece via a conical inner diameter on a 2-jaw chuck from SCHUNK. Jaw 1 at the inner clamping edge is equipped with a pendulum top jaw. Clamping inserts positively act in radial direction and onto the outer clamping edge and in turn onto the mold inclination. Jaw 2 clamps via a pendulum insert between the 2 clamping areas of jaw 1. Therefore even and secure clamping is achieved.

Customer benefits

Increase process time by 20% and reduction of the defective parts caused by deformation.

Beispiel 3

Lösung zum Spannen des Werkstücks. Die besonderen Herausforderungen liegen in der exakten Lagepositionierung für eine automatisierte Be- und Entladung sowie dem kompletten Eliminieren jeglicher Unwucht bei zusätzlicher Spannsicherheit über axialen Niederzug. Darüber hinaus ist das System mit einer Abfrage zur Anlagekontrolle ausgestattet.

Kundennutzen

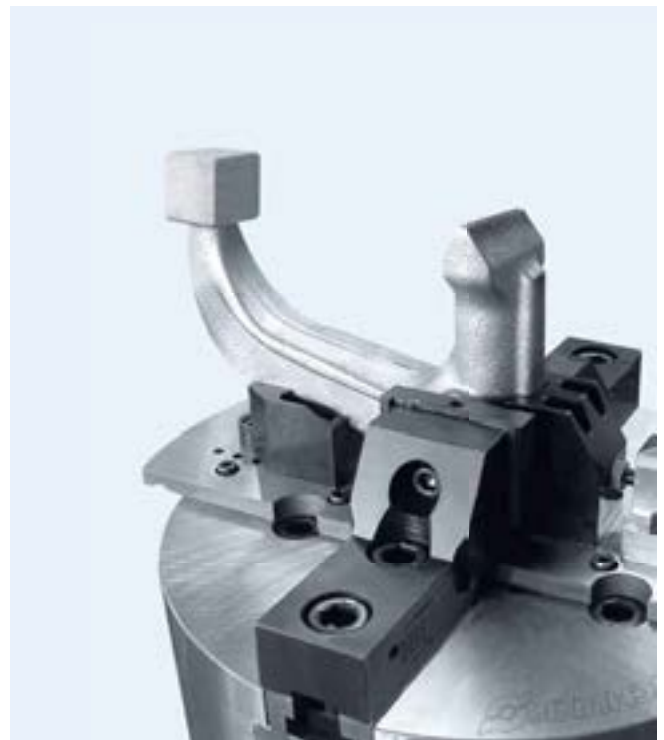
Steigerung der Durchlaufzeiten um 45 % bei gleichzeitiger Reduzierung des Ausschusses aufgrund fehlerhafter Positionierung.

Example 3

Solution for clamping the workpiece. The challenge of this application is the exact positioning for an automatic loading and unloading, and the complete elimination of imbalance, achieving an additional clamping safety via an axial pull down effect. Additionally, the system is equipped with a monitoring system for contact control.

Customer benefits

Increase of process times by 45%, and a reduction of defective parts due to wrong positioning.



Sonder-Spannbacken | Customized Jaws

Fertigteilspannung | Finish parts clamping

Individuelle Spannkonzepete für's perfekte Finish

Für die Folgeoperationen der Bearbeitung von Werkstücken werden in der Regel weiche Aufsatzbacken, Monoblockbacken, harte Backen mit glatter Spannfläche oder Kunststoffbacken eingesetzt. Die individuell auf das Werkstück zugeschnittenen Spannbacken werden auf dem zugehörigen Spannfutter unter dem optimalen Spanndruck auf das jeweilige Werkstück angepasst. Somit werden eine absolut beschädigungsfreie Werkstückoberfläche, höchste Rundlauf- und Wiederholgenauigkeit sowie optimale Zerspannungsergebnisse gewährleistet.

Individual clamping concepts for perfect finish

Normally, soft top jaws, monoblock jaws, hard jaws with smooth clamping surfaces or plastic jaws are used for the follow-on operations of workpieces. Workpiece-specific chuck jaws are adjusted to the individual workpieces on the matching chuck using the optimum amount of pressure. Therefore a damage-free workpiece surface, highest run-out and repeat accuracy and optimum cutting results can be ensured.



Beispiel 4

Spann-Lösung in einem 3-Backenfutter. Spannung unterhalb des Flanschansatzes auf den Rippen des Werkstücks zur Bearbeitung des Flansches und der Innenseite. Deformationsarme Spannung über weiche Spanneinsätze.

Kundennutzen

Umsetzung Automatisierungskonzept, Reduzierung des verformungsbedingten Ausschusses oder Nacharbeit.

Example 4

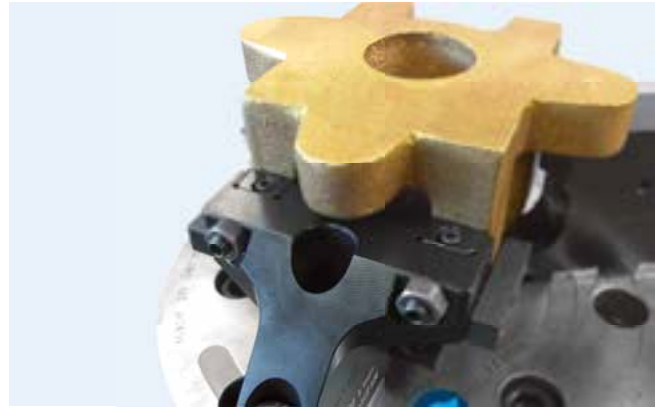
Clamping solution with a 3-jaw chuck. Clamping below the flange hub at the ribs of the workpiece for machining the flange and the inner side.

Customer benefits

Implementation of an automation concept. Reduction of rejects or rework due to deformation.

Sonder-Spannbacken | Customized Jaws

Fertigteilspannung | Finish parts clamping



Beispiel 5

Lösung zum Spannen eines vorbereiteten Gussteils mit einer nicht-rotationssymmetrischen Geometrie in einem 3-Backen-futter.

Backe 1 wirkt mit einstellbaren Spanneinsätzen zum justieren der Spannmitte, unterstützend übernehmen seitliche Leisten eine Führung des Werkstücks. Backe 2 und 3 spannen unter 30° gegen die Fläche am Werkstück und sorgen für eine sichere, ausgleichende Spannung.

Kundennutzen

Umsetzung des Spannkonzpts auf vorhandenen Maschinen und Spannmitteln, Reduzierung des verformungsbedingten Ausschusses oder Nacharbeit.

Example 5

Solution for clamping a prepared cast part with a non-rotational symmetric geometry in a 3-jaw chuck.

Jaw 1 and adjustable clamping inserts are used for adjusting the clamping center, and lateral strips support the guidance of the workpiece. Jaw 2 and 3 are clamping below 30° against the workpiece surface, and ensure safe and compensating clamping.

Customer benefits

Implementation of the clamping concept on existing machines and clamping vices, reduced the rejects or rework caused by deformation.

Beispiel 6

Forderung: Spannen von 2 verschiedenen Lasthaken, Drehbearbeitung mit 1 Satz Backen.

Problemlösung: 1 Backe starr mit Werkstückanschlägen. 1 Backe mit axial und radial pendelnden Spanneinsätzen. Backen mit Werkstück dynamisch gewuchtet.

Kundennutzen

Umsetzung des Automatisierungskonzepts, Reduzierung der Prozesszeiten um mind. 35 %.

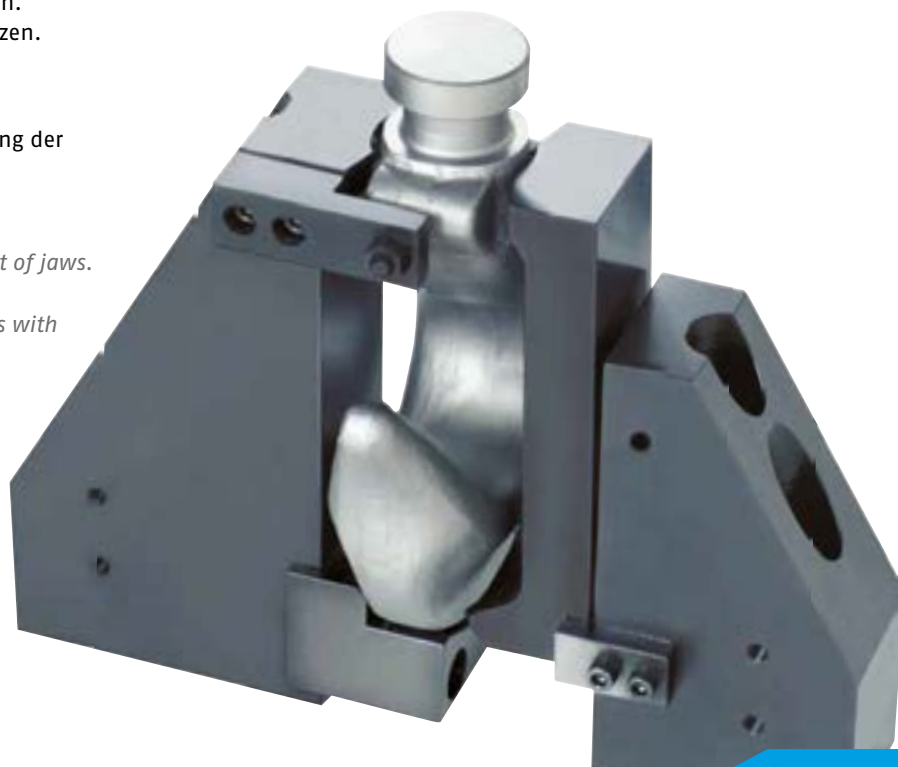
Example 6

Task: Clamping of 2 different hooks, turning with 1 set of jaws.

Solution: 1 rigid jaw with workpiece stops. 1 jaw with axially and radially oscillating clamping inserts. Jaws with workpiece dynamically balanced.

Customer benefits

Implementation of an automation concept, reduction of process times at least 35%.



Sonder-Spannbacken | Customized Jaws

Deformationsarmes Spannen | *Low-deformation clamping*

So sicher wie nötig, so schonend wie möglich

Bei deformationsempfindlichen Werkstücken, z.B. großen Ringen oder unsymmetrischen, komplexen Gehäusen stoßen konventionelle Spannbackenlösungen in Punkto Spannkraft und sicherer Halt bei der Bearbeitung oftmals an ihre Grenzen. Werden die Spannkraft erhöht, verformen sich die Teile, die Präzision leidet und Rundlauffehler sind das Ergebnis. Die Spannlösungen von SCHUNK zur deformationsarmen Werkstückspannung sind umfangreich, von vergleichsweise günstiger Realisierung mit Kunststoffbacken bis hin zu komplexen Sonder-Pendelbacken.

Beispiel 7

Lösung zum Spannen des Werkstücks auf einem SCHUNK-Futter NCO 165. Das Werkstück hat die Größe einer 1-Euro-Münze und wird mit einem Seitenrollwerkzeug bearbeitet. Spannbacken mit einem aktiven Niederzug – über Niederzugeinsätze – wurden aufgrund der niedrigen Einspanntiefe notwendig und sorgen für eine übergreifende Spannung gegen das Heraushebeln des Werkstücks. Dabei wird das Werkstück gegen die Auflagebolzen – als axialen Anschlag – gezogen.

Kundennutzen

Steigerung des Ausstoßes durch automatisierte Be- und Entladung und Durchführung des Fertigungsprozesses in einer Doppelspindel-Maschine.

As secure as necessary, as gentle as possible

Deformation prone workpieces, e.g. large rings or asymmetric, complex housings are a challenge for conventional chuck jaw clamping solutions in terms of clamping forces and secure hold. If the clamping forces are increased, the parts deform, precision reduces and result in run-out errors. The clamping solutions from SCHUNK for deformation prone workpieces clamping are comprehensive compared with low-priced implementations ranging from plastic jaws up to the complex special pendulum jaws.

Example 7

Solution for clamping the workpiece on a SCHUNK chuck NCO 165. The workpiece has a size of a 1-EURO coin, and is machined with a lateral thread rolling tool. Chuck jaws with an active pull down – via pull down inserts – have been necessary due to the low clamping depths, and ensure an overall clamping which avoids levering out of the workpiece. Thereby the workpiece is drawn the workpiece stops like an axial stop.

Customer benefits

Increase of the output due to automatic loading and unloading and manufacturing processes in a twin spindle.



Sonder-Spannbacken | Customized Jaws

Deformationsarmes Spannen | Low-deformation clamping



Beispiel 8

Forderung: Deformationsarmes Spannen von dünnwandigen, geschmiedeten Ringen. Zul. Rundheitsfehler max. 0.03 mm.

Problemlösung: Pendelbacken für 12-Punkt-Spannung mit wechselbaren Spanneinsätzen.

Anmerkung: Rundheit der Werkstücke von 0.01 – 0.02 mm. Bei einer 3-Punkt-Spannung kann der Rundheitswert bei gleicher Spannung bis zu 0.8 mm betragen.

Example 8

Task: Clamping with low deformation of thin-walled forged rings. Admissible maximum out of roundness 0.03 mm.

Solution: Pendulum jaws with 12-point-clamping and exchangeable clamping inserts.

Note: Roundness of the workpieces from 0.01 – 0.02 mm. In case of 3-point-clamping this true-running accuracy can be up to 0.8 mm.



Beispiel 9

Forderung: Deformationsarmes Spannen von dünnwandigem LKW-Getriebegehäuse aus Kugelgraphitguss, Spann- \varnothing 278 mm, Wanddicke 7 mm auf Futter- \varnothing 500. Zul. Rundheitsfehler max. 0.03 mm.

Problemlösung: Pendelbacken für 24-Punkt-Spannung, axial und radial pendelnd.

Anmerkung: Rundheit 0.03 mm bei Spannkraft ca. 100 kN.

Example 9

Task: Clamping with low deformation of thin-walled truck gear boxes made of ductile graphite iron, clamping dia. 278 mm, wall thickness 7 mm on a chuck dia. 500. Admissible untrue-running max. 0.03 mm.

Solution: Pendulum jaws for 24-point-clamping, axially and radially oscillating.

Note: True-running accuracy of 0.03 mm at a clamping force of appr. 100 kN.



Beispiel 10

Forderung: Deformationsarmes Spannen, zul. Rundheitsfehler max. 0.05 mm, Rundlaufgenauigkeit der Verzahnung zum Lagersitz 0.1 mm.

Problemlösung: Pendelbacken für 6-Punkt-Spannung. Aufnahme mit Stiften in den Zahnflanken.

Example 10

Task: Clamping with low deformation, admissible untrue-running max. 0.05 mm. True-running accuracy of the gear teeth to the bearing seat 0.1 mm.

Solution: Elastic full grip jaws for 6-point-clamping. Mounting with pins at the tooth profile.



Beispiel 11

Forderung: Bearbeitung von dünnwandigen Ringen, zul. Rundheitsfehler max. 0.05 mm.

Problemlösung: Zentrische Spannung mit 6-Punkt-Pendelbacken und harten Spanneinsätzen.

Anmerkung: Rundheit der Werkstücke 0.03 mm.

Example 11

Task: Machining of thin-walled rings, admissible maximum out of roundness 0.05 mm.

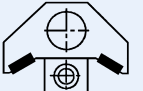

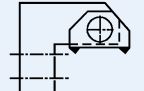
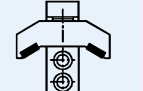
Solution: Centric clamping with 6-point-pendulum jaws and hard clamping inserts.

Note: Roundness of workpieces 0.03 mm.

Sonder-Spannbacken | Customized Jaws

Bearbeitungsbogen für die Anfrage von Sonder-Spannbacken

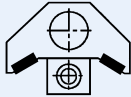

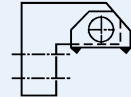
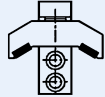
Online-Anfragen unter www.schunk.com/Backen-Quickfinder

| | | | |
|--|--|--------------|----------------------|
| Kunde | Ansprechpartner | Tel. | |
| Abteilung | Fax | E-Mail | |
| Fachberater | Datum | Liefertermin | Menge (Satz / Stück) |
| Angaben zum Werkstück | <input type="checkbox"/> Rohteil-Zeichng.-Nr. Hinweis: Spannstelle und Anlage in Zeichnung mit Pfeil oder farblich markieren. | | |
| | <input type="checkbox"/> Musterwerkstück wird zugesandt <input type="checkbox"/> Fertigteil-Zeichng.-Nr. <input type="checkbox"/> Werkstoff <input type="checkbox"/> Zeichnung als IGES, TIFF, Pro-E, STEP, DWG oder DXF-File vorhanden? Bitte senden Sie diese an sonderbacken@de.schunk.com Hinweis: Werkstückbearbeitung einskizzieren! | | |
| Angaben zur Werkstückbearbeitung | <input type="checkbox"/> Drehen <input type="checkbox"/> Schleifen Schnittgeschwindigkeit m/min <input type="checkbox"/> Rückseitige Bearbeitung? Maße für Freiraum angeben V-Konstant <input type="checkbox"/> ja <input type="checkbox"/> nein <input type="checkbox"/> Fräsen, Bohren, Reiben <input type="checkbox"/> Angetriebene Werkzeuge (Störkanten? – Bitte Freiräume für Werkzeuge angeben) Vorschub mm/U <input type="checkbox"/> Werkstückfixierung erforderlich? (Bei Bedarf bitte angeben!) Schnitttiefe mm | | |
| | <input type="checkbox"/> 1. Aufspannung (Rohteilspannung) <input type="checkbox"/> Krallenbacken, Beispiel: SZA/SZKA, Katalog Seite 92/156 <input type="checkbox"/> hart <input type="checkbox"/> Pflastersteinverzahnung (= geringere Spanneindrücke) <input type="checkbox"/> weich <input type="checkbox"/> Spanneinsätze Type HM, HS bzw. UGE, Katalog Seite 698 – 701 (bei Verschleiß wechselbar) | | |
| Ausführung der Backen | <input type="checkbox"/> 2. Aufspannung (Fertigteilspannung) <input type="checkbox"/> weiche Backen, Beispiel: SWB/SFA, Katalog Seite 56/145 <input type="checkbox"/> harte Backen Spannkontur <input type="checkbox"/> glatt <input type="checkbox"/> Pflastersteinverzahnung <input type="checkbox"/> Nut und Verzahnung gefräst <input type="checkbox"/> Nut und Verzahnung geschliffen <input type="checkbox"/> Spann-Ø und Anlage mit Vormaß gefertigt zum Fertigdrehen auf zugehörigem Drehfutter beim Kunden <input type="checkbox"/> Spann-Ø und Anlage auf SCHUNK-Vorrichtung gedreht bzw. geschliffen, Rund- und Planlaufgenauigkeit 0.03 mm. Ohne Berücksichtigung des Rundlauffehlers am Drehfutter | | |
| | <input type="checkbox"/> Vierkantspannung <input type="checkbox"/> Kantenlänge mm <input type="checkbox"/> Einspanntiefe mm | | |
| Pendelbacken (für dünnwandige, unrunde oder konische Werkstücke) | <input type="checkbox"/>  6-Punkt-Spannung radial <input type="checkbox"/>  12-Punkt-Spannung radial <input type="checkbox"/>  axial pendelnd <input type="checkbox"/>  axial und radial pendelnd | | |
| Angaben zum Drehfutter | Hersteller Type und Größe Anzahl Backen Backen-Schnittstelle <input type="checkbox"/> Nut und Verzahnung (bei Sonderfutter Zeichnung zusenden!) <input type="checkbox"/> Nutbreite mm <input type="checkbox"/> Verzahnung <input type="checkbox"/> 1/16" x 90° <input type="checkbox"/> 3/32" x 90° <input type="checkbox"/> 1/1.5 x 60° <input type="checkbox"/> Modul2 <input type="checkbox"/> Sonderverzahnung Backen-Schnittstelle <input type="checkbox"/> Kreuzversatz (bei Sonderfutter Zeichnung zusenden!) | | |
| | max. Schwingkreis-Ø mm Bearbeitungsachse <input type="checkbox"/> horizontal <input type="checkbox"/> vertikal Beladung <input type="checkbox"/> manuell <input type="checkbox"/> automatisch (Störkontur für Handlings-einrichtung angeben!) | | |
| Weitere Informationen | | | |

Sonder-Spannbacken | Customized Jaws

Questionnaire for Chuck Jaws in special design

Online request at www.schunk.com/chuck-jaw-quickfinder

| | | | |
|---|---|---|---|
| Company name | | Contact person | Phone |
| Department | | Fax | E-mail |
| SCHUNK Rep. | Date | Desired delivery | Quantity (Set/pc.) |
| Workpiece to be clamped | <input type="checkbox"/> Per drawing no. <input type="checkbox"/> Per workpiece sample <input type="checkbox"/> Per sketch <input type="checkbox"/> Material <input type="checkbox"/> Drawing available as IGES, TIFF, Pro-E, STEP, DWG or DXF-file? Please send it to sonderbacken@de.schunk.com | | Note: Please mark or color the clamping and locating area on the drawing of the workpiece. |
| | | | Note: Please mark the machining area! |
| Workpiece machining | <input type="checkbox"/> Turning <input type="checkbox"/> Grinding <input type="checkbox"/> Machining of the backside? Indicate dimensions for space | Cutting speed m/min V-Constant <input type="checkbox"/> yes <input type="checkbox"/> no | |
| | <input type="checkbox"/> Milling, drilling, reaming <input type="checkbox"/> Driven tools (Disturbing edges? – enough space for tools?) <input type="checkbox"/> Fixing of the workpiece required? (Please indicate!) | Feed rate mm/U Cutting depth mm | |
| Design of jaws | <input type="checkbox"/> 1st set-up (Raw part clamping) <input type="checkbox"/> hard <input type="checkbox"/> soft | <input type="checkbox"/> Claw Jaws, for example: SZA/SZKA, see page 92/156 <input type="checkbox"/> Diamond serration (= less clamping marks) <input type="checkbox"/> Clamping inserts Type HM, HS e.g. UGE, see page 698 – 701 (interchangeable wearing part) | |
| | <input type="checkbox"/> 2nd set-up (Finish parts clamping) | <input type="checkbox"/> Soft jaws, for example: SWB/SFA, see page 56/145 <input type="checkbox"/> Hard jaws Clamping surface <input type="checkbox"/> Smooth <input type="checkbox"/> Diamond serrated <input type="checkbox"/> Slot and serration milled <input type="checkbox"/> Slot and serration ground <input type="checkbox"/> Clamping- \emptyset and workpiece stop preground for finish grinding on the matching chuck at the customer <input type="checkbox"/> Clamping- \emptyset and workpiece stop ground or milled on a SCHUNK-device, T.I.R.-accuracy 0.03 mm Consider the runout of the chuck | |
| | <input type="checkbox"/> Square-clamping <input type="checkbox"/> Dimension mm <input type="checkbox"/> Clamping depth mm | | |
| Pendulum Jaws (for thin walled, or conical workpieces) | <input type="checkbox"/>  6-point-clamping, radial | <input type="checkbox"/>  12-point-clamping, radial | <input type="checkbox"/>  Pendulum jaws, axially |
| | | | <input type="checkbox"/>  Pendulum jaws axially and radially |
| Details on the Chuck | Manufacturer type and size Number of jaws | | |
| | Jaw interface <input type="checkbox"/> Slot and serration (in case of a special chuck please enclose a drawing!) <input type="checkbox"/> Width of slot mm <input type="checkbox"/> Serration <input type="checkbox"/> 1/16" x 90° <input type="checkbox"/> 3/32" x 90° <input type="checkbox"/> 1/1.5 x 60° <input type="checkbox"/> Module2 <input type="checkbox"/> Special serration | | |
| Jaw interface <input type="checkbox"/> Tongue and Groove (in case of special chuck enclose drawing!) | | | |
| Details of the machine | max. swing diameter mm Machining direction <input type="checkbox"/> Horizontally <input type="checkbox"/> Vertically | | |
| | | Loading <input type="checkbox"/> Manually <input type="checkbox"/> Automatically (indicate disturbing edges for the handling device!) | |
| Further information | | | |

Modifizierte Spannbacken

Änderungsservice für weiche Backenrohlinge

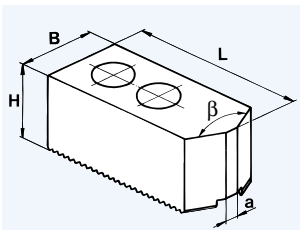
Online-Anfragen unter www.schunk.com/Backen-Quickfinder

Gewichtserleichterungen und/oder Ansträgung der Spannfläche (für kleine Werkstück- ϕ) nach Ihren Maßangaben.

- Schnelle Zusendung des Angebots
- Gefertigt aus Rohlingen oder Standard-Backen, dadurch preisgünstig und kurzfristig lieferbar
- Höhere Drehzahlen oder größere Spannkräfte durch geringes Gewicht

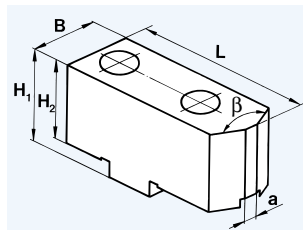
- Spannen von kleinen Werkstückdurchmessern durch angesträgte Spannfläche
- Wirtschaftliche Alternative zu Sonderbacken
- Lieferbar mit Spitzverzahnung oder Kreuzversatz

Spitzverzahnung

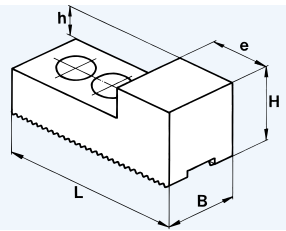


1 Ansträgung 60° oder 120°

Kreuzversatz

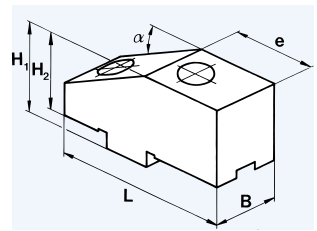


Spitzverzahnung



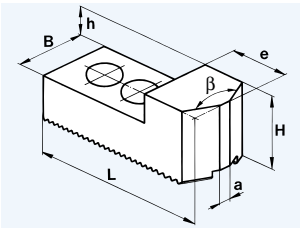
2 Gewichtserleichterung rechteckig

Kreuzversatz



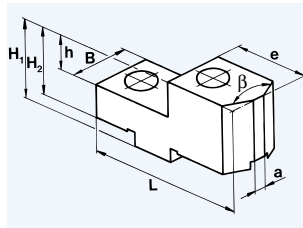
3 Gewichtserleichterung schräg

Spitzverzahnung

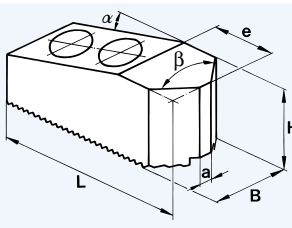


4 Gewichtserleichterung rechteckig und Ansträgung 60° oder 120°

Kreuzversatz

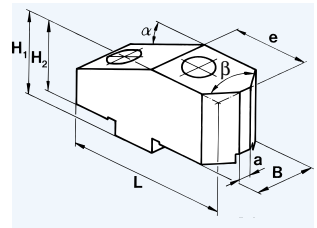


Spitzverzahnung



5 Gewichtserleichterung schräg und Ansträgung 60° oder 120°

Kreuzversatz



| Menge | gefertigt aus SCHUNK-Type | Ausführung (Nr.) 1 – 5 | 60° oder 120° β | Ihre Maßangaben nach Wunsch | | | | | | | |
|-------|---------------------------|---------------------------|--------------------------|-----------------------------|----------------|----------------|---|---|---|----------|--|
| | | | | B | H ₁ | H ₂ | h | e | a | α | |
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Tipp: Schicken Sie eine Kopie dieser Seite mit Ihren Angaben an SCHUNK Fax +49-7133-103-2139

Chuck Jaws

Modification service for soft jaw blanks

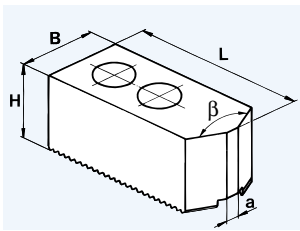
Online request at www.schunk.com/chuck-jaw-quickfinder

Weight reductions with/without chamfered clamping surfaces (for small workpiece diameters) according to customers indications.

- Fast mailing of quotation
- Manufactured from blanks or standard jaws. Therefore are low priced and available at short notice

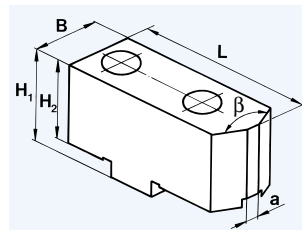
- Higher speeds or high clamping forces due to the low weight
- Clamping of small workpiece diameters due to chamfered clamping surfaces
- The economic alternative to Specialised Jaws
- Available with fine serration or with tongue and groove

Fine serration

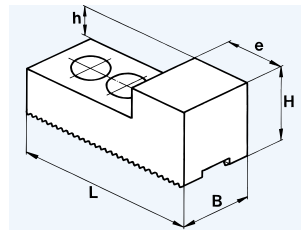


1 Angled 60° or 120°

Tongue and Groove

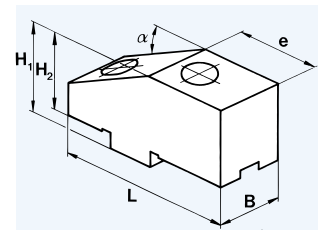


Fine serration



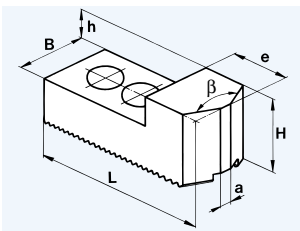
2 Weight reduction, rectangular

Tongue and Groove



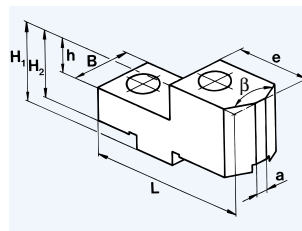
3 Weight reduction, angled

Fine serration

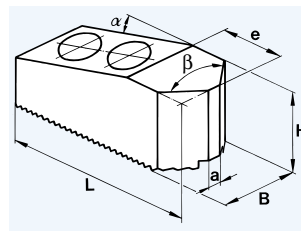


4 Weight reduction rectangular and angled 60° or 120°

Tongue and Groove

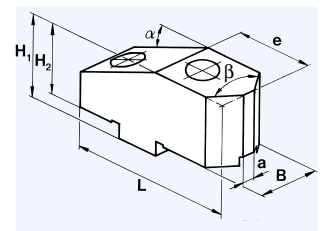


Fine serration



5 Weight reduction chamfered and angled 60° or 120°

Tongue and Groove



| Quantity | made from SCHUNK-Type | Version (No.) 1 - 5 | 60° or 120° β | Dimensions according to your request | | | | | | | |
|----------|-----------------------|------------------------|------------------|--------------------------------------|----------------|----------------|---|---|---|---|--|
| | | | | B | H ₁ | H ₂ | h | e | a | α | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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Tip: Make a copy of this page, fill in all data and fax it to
SCHUNK Fax +49-7133-103-2139

Sonder-Spannbacken | Customized Jaws

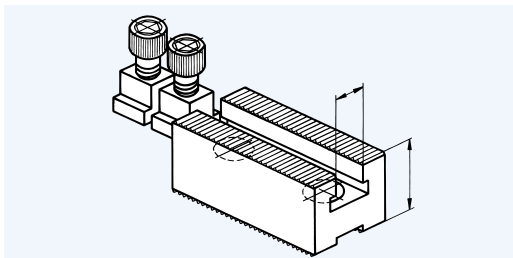
Zwischenbacken | Intermediate Jaws

Online-Anfragen unter www.schunk.com/Backen-Quickfinder | Online request at www.schunk.com/chuck-jaw-quickfinder

Type SZB

Vorteile der Zwischenbacken

- Steigerung der Flexibilität
- Aufsatzbacken mit unterschiedlichen Anschlussmaßen können auf dem gleichen Futter eingesetzt werden.
- Größere Spanntiefe bei allen Standard-Backen durch den Einsatz der Zwischenbacken.



A

Type SZB

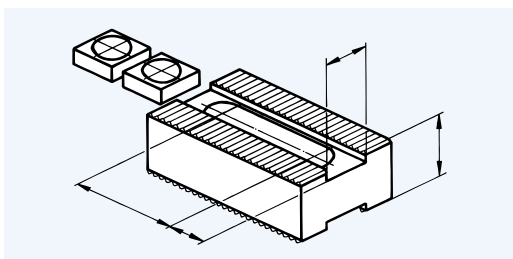
Advantages of intermediate jaws

- Increase of flexibility
- Top jaws with different connection may be used for the same chuck type.
- Deeper clamping depth with all standard jaws by using intermediate jaws.

Version A

Spitzverzahnung auf beiden Seiten.
Verzahnung, Nutbreite und Höhe nach Ihrer Wahl, mit Nutensteinen zur Befestigung der Aufsatzbacken.

*Fine serration on both sides.
Serration and slot width and height according to your needs with T-Nuts to mount the top jaw.*

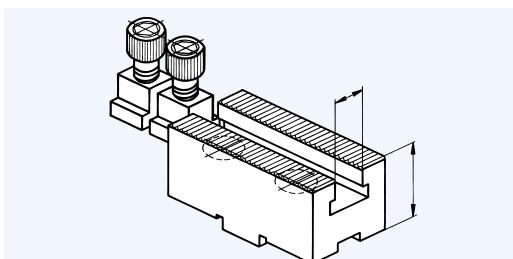


C

Version C

Spitzverzahnung auf beiden Seiten.
Verzahnung, Nutbreite und Höhe nach Ihrer Wahl. Langloch zur Aufnahme von Aufsatzbacken mit unterschiedlichen Lochabständen.

*Fine serration on both sides.
Serration and slot width and height according to your needs. Elongated hole to accept jaws with various hole distances.*

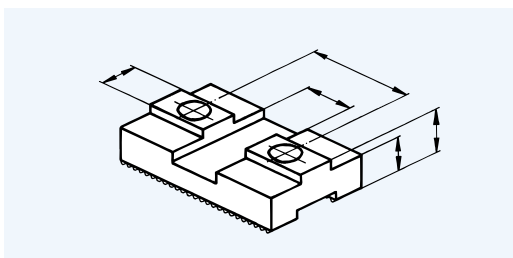


D

Version D

Kreuzversatz auf Futterseite, Spitzverzahnung auf Backenseite, Kreuzversatz gemäß Futter, Spitzverzahnung, Nutbreite und Gesamthöhe nach Ihrer Wahl.

Tongue and groove on chuck side, fine serration on jaw side, tongue and groove according to chuck, fine serration, slot width and total height according to your needs.



E

Version E

Spitzverzahnung auf Futterseite, Kreuzversatz auf Backenseite. Gesamthöhe nach Ihren Angaben.

Fine serration on chuck side, tongue and groove on jaw side. Total height according to your needs.

Bestell-Hinweis:

1. Diese Katalogseite kopieren.
2. Gewünschte Ausführung ankreuzen und Ihre Maßangaben neben die entsprechenden Maßpfeile schreiben.
3. Futtertype, Hersteller und Futter- \varnothing angeben.
4. Mit Ihrer Bestellung an SCHUNK senden.
5. Im Einzelfall werden notwendige Sondernutensteine mit angeboten.

How to order:

1. Make a copy of this page.
2. Check off the desired version and write in your specific data next to the arrows on drawing.
3. Indicate the chuck type, manufacturer, and diameter.
4. Special T-nuts may be recommended in certain applications.

Sonder-Spannbacken | Customized Jaws

Nutensteine | T-Nuts

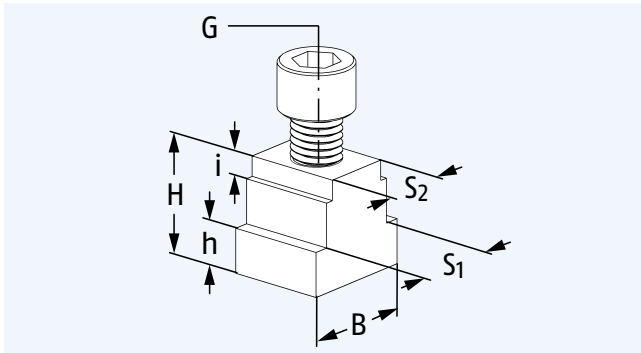
Online-Anfragen unter www.schunk.com/Backen-Quickfinder | Online request at www.schunk.com/chuck-jaw-quickfinder

Sonderausführungen

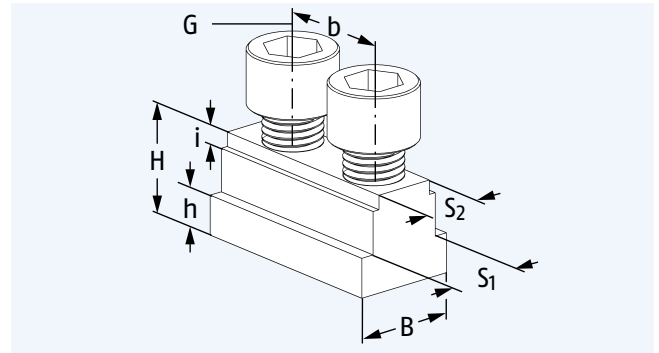
SCHUNK-Nutensteine ersparen in vielen Fällen neue Backen. Vorhandene Backen können z.B. mit abgesetzten Nutensteinen auf verschiedenen Futtern mit unterschiedlichen Grundbackenführungen eingesetzt werden.

Special designs

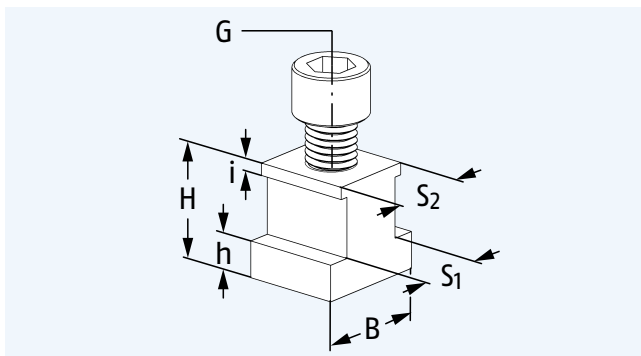
In many cases the use of **SCHUNK T-Nuts** help to save money. No new chuck jaws have to be purchased. Existing jaws can be used e.g. with stepped T-Nuts on various chucks together with different base jaw types.



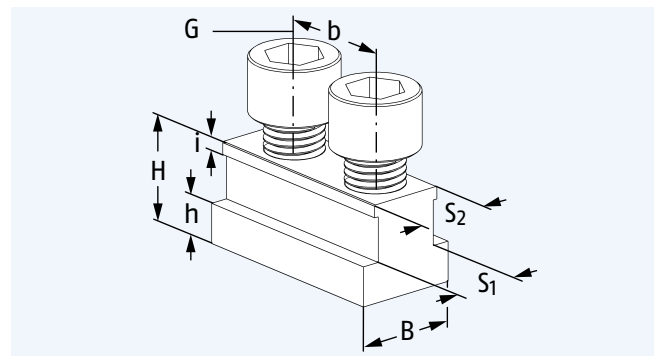
Ausführung Nr. 1 | Version No. 1



Ausführung Nr. 3 | Version No. 3



Ausführung Nr. 2 | Version No. 2



Ausführung Nr. 4 | Version No. 4

| Futter-Type und Größe Type and size of the chuck | Ausführung Nr. Version No. | S ₁ | S ₂ | H | h | i | B | b | Gewinde Thread G | Schrauben Screws DIN 912 | Stück Piece |
|---|-------------------------------|----------------|----------------|---|---|---|---|---|------------------------|--------------------------------|----------------|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Tipp: Schicken Sie eine Kopie dieser Seite mit Ihren Angaben an SCHUNK Fax +49-7133-103-2139

Tip: Make a copy of this page, fill in all data and fax it to SCHUNK Fax +49-7133-103-2139

SCHUNK Spannbacken

SCHUNK Chuck Jaws

Spitzverzahnung

Seite

| Rohteilspannung | | |
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| Harte Stufenaufsatzbacken | Außenspannung | 84 |
| | Innenspannung | 84 |
| Harte Krallenbacken | Außenspannung | 92 |
| | Innenspannung | 108 |
| | Stangenspannung | 118 |
| Pendelbacken | Außenspannung, mit harten Spanneinsätzen | 130 |
| Harte Zangenbacken | Außenspannung | 180 |

Fertigteilspannung

| | | |
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| Weiche Aufsatzbacken | Universell | 56 |
| Weiche Segmentaufsatzbacken | Universell | 68 |
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| | Ungebohrt | 52 |
| Pendelbacken | Außenspannung, mit weichen Spanneinsätzen | 130 |
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Fine Serration

Page

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| Hard claw jaws | O.D. clamping | 92 |
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| | Bar clamping | 118 |
| Pendulum jaws | O.D. clamping with hard clamping inserts | 130 |
| Hard collet jaws | O.D. clamping | 180 |

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| | | |
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| | without bolt holes | 52 |
| Pendulum jaws | O.D. clamping with soft clamping inserts | 130 |
| Soft collet jaws | O.D. clamping | 180 |
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| | | |
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| Pendulum jaws | O.D. clamping | 130 |
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| | | |
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Kreuzversatz Seite

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| Harte Stufenblockbacken | Außenspannung | 169 |
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| Weiche Aufsatzbacken für Schnellwechselfutter | | 145 |
| Weiche Segmentaufsatzbacken | | 152 |
| Blockbacken | | 167 |
| Quentes | Außenspannung | 165 |
| Pendelbacken | Außenspannung, mit weichen Spanneinsätzen | 176 |

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Tongue and Groove Page

| Raw parts clamping | | |
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| Hard stepped top jaws | O.D. clamping | 154 |
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| Pendulum jaws | O.D. clamping with hard clamping inserts | 176 |
| Hard Stepped Block Jaws | O.D. clamping | 169 |
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| Claw jaws | O.D. clamping | 156 |
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| Quentes | O.D. clamping | 165 |
| Block jaws | | 167 |
| Hard Stepped Block Jaws | O.D. clamping | 169 |
| | I.D. clamping | 169 |

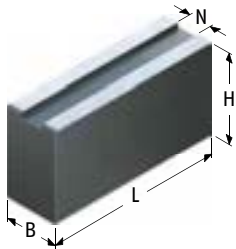
Available accessories from page 694

Spitzverzahnung 1/16" x 90°

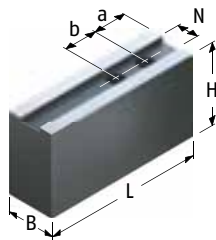
- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|---|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| ROTA 2B 160 ROTA NC 165 ROTA NCF 165 ROTA NCO 165 ROTA NCD 185-54 ROTA TP 200-52 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 | |
| ROTA 2B 200 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 | |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK plus 210-52 ROTA NCO 210 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 ROTA NCK plus 250-75 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| ROTA 2B 250 ¹¹⁾ ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA TP 250-68 ROTA NCD 255-86 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 ROTA 2B 315 ¹¹⁾ ROTA NC 315 ROTA NCD 315-115 ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCK plus 315-91 ROTA NCO 315 ROTA NC plus 315-104 ROTA TP 315-105 ROTA TP 315-90 ROTA TP 350-115 ROTA TP-LH 350-115 ROTA 2B 400 ¹¹⁾ ROTA NCR 400 ROTA EP 500-260 ROTA NCR 500 ROTA NCR 630 ROTA NCR 800 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



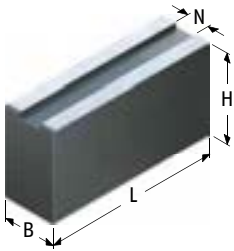
Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



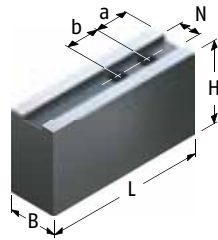
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 3/32" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|----------------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| ROTA EP 380-127 ³⁾ | SBM 50 | 0112126 | 0113126 | 25.5 | 60 | 60 | 140 | 20 | 35 | M20 | 4 |
| ROTA NC 400-120 | | 0112127 | 0113127 | 25.5 | 60 | 80 | 140 | 20 | 35 | M20 | 5 |
| ROTA NCD 400-165 | SBM 52 | 0112128 | 0113128 | 25.5 | 60 | 100 | 140 | 20 | 35 | M20 | 6.5 |
| ROTA NCF 400-120 | | 0112129 | 0113129 | 25.5 | 60 | 100 | 155 | 20 | 35 | M20 | 7.2 |
| ROTA NCO 400 | SBM 53 | 0112129 | 0113129 | 25.5 | 60 | 100 | 155 | 20 | 35 | M20 | 7.2 |
| ROTA TB 400-115 ³⁾ | | 0112138 | 0113138 | 25.5 | 60 | 100 | 195 | 20 | 35 | M20 | 9.1 |
| ROTA TB 400-140 ³⁾ | SBM 531 | 0112138 | 0113138 | 25.5 | 60 | 100 | 195 | 20 | 35 | M20 | 9.1 |
| ROTA TB-LH 400-140 ³⁾ | | 0112130 | 0113130 | 25.5 | 60 | 120 | 155 | 20 | 35 | M20 | 8.7 |
| ROTA EP 460-165 ³⁾ | SBM 5312 | 0112130 | 0113130 | 25.5 | 60 | 120 | 155 | 20 | 35 | M20 | 8.7 |
| ROTA EP 460-185 ³⁾ | | 0112131 | 0113131 | 25.5 | 58 | 160 | 155 | 20 | 35 | M20 | 11.5 |
| ROTA EP-LH 460-165 ³⁾ | SBM 5315 | 0112131 | 0113131 | 25.5 | 58 | 160 | 155 | 20 | 35 | M20 | 11.5 |
| ROTA EP-LH 460-185 ³⁾ | | 0112132 | 0113132 | 25.5 | 58 | 200 | 155 | 20 | 35 | M20 | 14.2 |
| ROTA TB 470-185 ³⁾ | SBM 5320 | 0112132 | 0113132 | 25.5 | 58 | 200 | 155 | 20 | 35 | M20 | 14.2 |
| ROTA TB-LH 470-185 ³⁾ | | 0112134 | 0113134 | 25.5 | 80 | 80 | 155 | 20 | 35 | M20 | 7.2 |
| ROTA NC 500-160 | SBM 57 | 0112134 | 0113134 | 25.5 | 80 | 80 | 155 | 20 | 35 | M20 | 7.2 |
| ROTA NCD 500-165 | | | | | | | | | | | |
| ROTA NCF 500-160 | | | | | | | | | | | |
| ROTA NCO 500 | | | | | | | | | | | |
| ROTA TB 500-160 ³⁾ | | | | | | | | | | | |
| ROTA TB 500-205 ³⁾ | | | | | | | | | | | |
| ROTA TB 500-230 ³⁾ | | | | | | | | | | | |
| ROTA TB-LH 500-205 ³⁾ | | | | | | | | | | | |
| ROTA TB-LH 500-230 ³⁾ | | | | | | | | | | | |
| ROTA TB 600-275 ³⁾ | SBM 58 | 0112135 | 0113135 | 25.5 | 100 | 100 | 155 | 20 | 35 | M20 | 11.6 |
| ROTA TB-LH 600-275 ³⁾ | | | | | | | | | | | |
| ROTA TB 610-260 ³⁾ | | | | | | | | | | | |
| ROTA TB-LH 610-260 ³⁾ | | | | | | | | | | | |
| ROTA NC 630-180 ¹¹⁾ | | | | | | | | | | | |
| ROTA NCD 630-165 | | | | | | | | | | | |
| ROTA NCF 630-180 ¹¹⁾ | | | | | | | | | | | |
| ROTA NCO 630 | | | | | | | | | | | |
| ROTA NC 800 ¹¹⁾ | | | | | | | | | | | |
| ROTA NCO 800 | | | | | | | | | | | |
| ROTA NCR 1000 | | | | | | | | | | | |

3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter noch mit M18 ausgeliefert.

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

3) Please check the mounting holes. Before 2008, the chuck was delivered with M18 screws.

11) Please control the slot width and if necessary please use stepped T-nuts!

Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

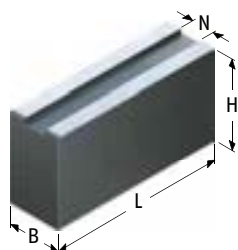
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

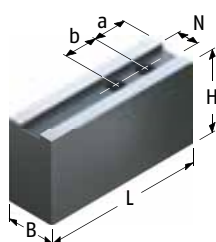
- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| ROTA NC 165 ROTA NCD 165-46 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCD 185-54 ROTA NCF plus 185-52 ROTA NC plus 185-52 | SBMJ 70 | 0132150 | 0133150 | 12 | 35 | 60 | 80 | 12 | 20 | M10 | 1.3 |
| ROTA NC 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCF plus 215-66 ROTA NC plus 215-66 | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 |
| | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 |
| | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 |
| | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 |
| | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 |
| | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | JBM 100 | 0114412 | 0114442 | 16 | 40 | 80 | 120 | 13 | 30 | M12 | 3 |
| | JBM 101 | 0114410 | 0114440 | 16 | 40 | 60 | 90 | 13 | 30 | M12 | 1.6 |
| | JBM 102 | 0114411 | 0114441 | 16 | 40 | 60 | 110 | 13 | 30 | M12 | 2.1 |
| | JBM 103 | 0114413 | 0114443 | 16 | 40 | 100 | 110 | 13 | 30 | M12 | 3.4 |
| | JBM 104 | 0114414 | 0114444 | 16 | 50 | 120 | 110 | 13 | 30 | M12 | 5 |
| | JBM 105 | 0114415 | 0114445 | 16 | 60 | 60 | 95 | 13 | 30 | M12 | 2.7 |
| | JBM 106 | 0114416 | 0114446 | 16 | 60 | 90 | 95 | 13 | 30 | M12 | 4 |
| | JBM 107 | 0114417 | 0114447 | 16 | 80 | 60 | 95 | 13 | 30 | M12 | 3.5 |
| ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | JBM 120 | 0114420 | 0114450 | 21 | 50 | 60 | 130 | 15 | 30 | M16 | 3.1 |
| | JBM 121 | 0114421 | 0114451 | 21 | 50 | 80 | 130 | 15 | 30 | M16 | 4.1 |
| | JBM 122 | 0114422 | 0114452 | 21 | 50 | 120 | 130 | 15 | 30 | M16 | 6 |
| | JBM 123 | 0114423 | 0114453 | 21 | 60 | 150 | 130 | 15 | 30 | M16 | 8.8 |
| | JBM 124 | 0114424 | 0114454 | 21 | 80 | 80 | 130 | 15 | 30 | M16 | 6.2 |

Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

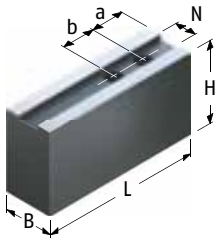
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

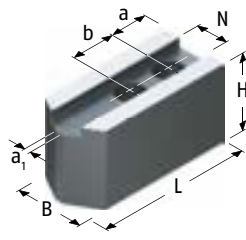
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

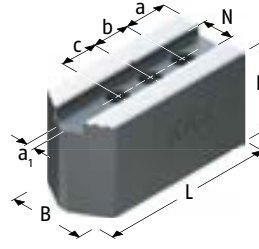
- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA TP 125-26 | SP-WB 125 | 0124100 | 1 | 11 | 30 | 40 | 55.5 | | 10 | 18 | | M8 | 1.3 |
| ROTA NCD 130 ROTA NCD 132-32 | SWB-FR 130 | 0120400 | 3 | 10 | 25 | 30 | 55.5 | 3 | 11 | 12 | 12 | M6 | 0.8 |
| | SWB-FR 132 | 0132141 | 1 | 10 | 22 | 47 | 53 | | 9 | 12 | 12 | M6 | 1 |
| | SWB-FR 133 | 0120410 | 3 | 10 | 32 | 32 | 62 | 2 | 9 | 12 | 12 | M6 | 1.2 |
| ROTA 2B 160 | 2 SWK 160 | 0126106 | 1 | 17 | 60 | 60 | 70 | | 12 | 22 | | M12 | 3.4 |
| ROTA NCD 160 | SWB-FR 160 | 0120402 | 1 | 12 | 30 | 38 | 55.5 | | 9 | 15 | | M8 | 1.2 |
| | SWB-FR 161 | 0120403 | 1 | 12 | 30 | 55.5 | 55 | | 9 | 15 | | M8 | 1.8 |
| | SWB-FR 162 | 0120409 | 2 | 12 | 35 | 40 | 72 | 3 | 12 | 15 | | M8 | 1.6 |
| ROTA TP 160-38 | SWB 165 | 0120101 | 1 | 14 | 35 | 60 | 68 | | 15 | 20 | | M10 | 2.5 |
| | SWBL 165 | 0120152 | 2 | 14 | 35 | 40 | 80 | 4 | 15 | 20 | | M10 | 2.1 |
| ROTA NC 165 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 3.1 |
| | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | | M12 | 1.9 |
| ROTA NCD 165-46 | SWB-FR 160 | 0120402 | 1 | 12 | 30 | 38 | 55.5 | | 9 | 15 | | M8 | 1.2 |
| | SWB-FR 161 | 0120403 | 1 | 12 | 30 | 55.5 | 55 | | 9 | 15 | | M8 | 1.8 |
| | SWB-FR 162 | 0120409 | 2 | 12 | 35 | 40 | 72 | 3 | 12 | 15 | | M8 | 1.6 |
| ROTA NCF 165 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 3.1 |
| | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | | M12 | 1.9 |
| ROTA NCK plus 165-45 | SWB 165 | 0120101 | 1 | 14 | 35 | 60 | 68 | | 15 | 20 | | M10 | 2.5 |
| | SWBL 165 | 0120152 | 2 | 14 | 35 | 40 | 80 | 4 | 15 | 20 | | M10 | 2.1 |
| ROTA NCO 165 ROTA NCD 185-54 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 3.1 |
| | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | | M12 | 1.9 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SWB 165 | 0120101 | 1 | 14 | 35 | 60 | 68 | | 15 | 20 | | M10 | 2.5 |
| | SWBL 165 | 0120152 | 2 | 14 | 35 | 40 | 80 | 4 | 15 | 20 | | M10 | 2.1 |
| ROTA 2B 200 | 2 SWK 200 | 0126102 | 1 | 21 | 80 | 80 | 95 | | 22 | 28 | | M16 | 8.2 |

Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK plus 210-52 ROTA NCO 210 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | | M12 | 2.6 |
| ROTA 2B 250 ¹⁾ | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | | M20 | 9 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| ROTA NCK plus 250-75 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | | M12 | 2.6 |
| ROTA NCR 250 ¹⁾ | SWB 165 | 0120101 | 1 | 14 | 35 | 60 | 68 | | 15 | 20 | | M10 | 2.5 |
| | SWBL 165 | 0120152 | 2 | 14 | 35 | 40 | 80 | 4 | 15 | 20 | | M10 | 2.1 |
| ROTA TP 250-68 ROTA NCD 255-86 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| ROTA 2B 315 ¹⁾ | 2 SWK 315 | 0126104 | 1 | 25.5 | 80 | 80 | 125 | | 28 | 35 | | M20 | 10.1 |
| ROTA NC 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA NCD 315-115 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCK plus 315-91 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA NCO 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA NC plus 315-104 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA NCR 315 ¹⁾ | SWB 165 | 0120101 | 1 | 14 | 35 | 60 | 68 | | 15 | 20 | | M10 | 2.5 |
| | SWBL 165 | 0120152 | 2 | 14 | 35 | 40 | 80 | 4 | 15 | 20 | | M10 | 2.1 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|----------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA TP 315-105 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| ROTA TP 315-90 | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| ROTA TP 350-115 | | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA TP-LH 350-115 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA 2B 400 ¹⁾ | 2 SWK 400 | 0126105 | 1 | 25.5 | 80 | 80 | 150 | | 28 | 35 | | M20 | 12.7 |
| ROTA NCR 400 ¹⁾ | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| ROTA EP 500-260 | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| ROTA NCR 500 ¹⁾ | | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA NCR 630 ¹⁾ | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| ROTA NCR 800 ¹⁾ | | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



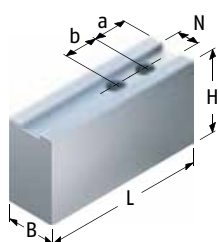
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

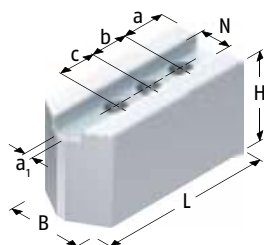
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



Ausführung 1 | Version 1



Ausführung 2 | Version 2

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NCD 130 ROTA NCD 132-32 | FR-AL 130 | 0120600 | 2 | 10 | 25 | 45 | 53 | 3 | 9 | 12 | 12 | M6 | 0.4 |
| ROTA NCD 160 | FR-AL 160 | 0120601 | 1 | 12 | 30 | 55 | 70 | | 9 | 15 | | M8 | 0.9 |
| ROTA TP 160-38 | SWB-AL 165 | 0168105 | 1 | 14 | 35 | 60 | 80 | | 15 | 20 | | M10 | 1.2 |
| ROTA NC 165 | SWB-AL 160 | 0168100 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 1.2 |
| ROTA NCD 165-46 | FR-AL 160 | 0120601 | 1 | 12 | 30 | 55 | 70 | | 9 | 15 | | M8 | 0.9 |
| ROTA NCF 165 | SWB-AL 160 | 0168100 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 1.2 |
| ROTA NCK plus 165-45 | SWB-AL 165 | 0168105 | 1 | 14 | 35 | 60 | 80 | | 15 | 20 | | M10 | 1.2 |
| ROTA NCO 165 ROTA NCD 185-54 | SWB-AL 160 | 0168100 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 1.2 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SWB-AL 165 | 0168105 | 1 | 14 | 35 | 60 | 80 | | 15 | 20 | | M10 | 1.2 |
| ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK plus 210-52 ROTA NCO 210 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | SWB-AL 200 | 0168101 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 1.5 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 | SWB-AL 250 | 0168102 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 3 |
| ROTA NCK plus 250-75 | SWB-AL 200 | 0168101 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 1.5 |
| ROTA NCR 250 ¹⁾ | SWB-AL 165 | 0168105 | 1 | 14 | 35 | 60 | 80 | | 15 | 20 | | M10 | 1.2 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA TP 250-68 ROTA NCD 255-86 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 ROTA NC 315 ROTA NCD 315-115 ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCK plus 315-91 ROTA NCO 315 ROTA NC plus 315-104 | SWB-AL 250 | 0168102 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 3 |
| ROTA NCR 315 ¹⁾ | SWB-AL 165 | 0168105 | 1 | 14 | 35 | 60 | 80 | | 15 | 20 | | M10 | 1.2 |
| ROTA TP 315-105 ROTA TP 315-90 ROTA TP 350-115 ROTA TP-LH 350-115 ROTA NCR 400 ¹⁾ ROTA EP 500-260 ROTA NCR 500 ¹⁾ ROTA NCR 630 ¹⁾ ROTA NCR 800 ¹⁾ | SWB-AL 250 | 0168102 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 3 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck



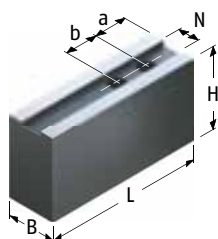
Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA EP 380-127 ³⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SP-WB 400 | 0124105 | 25.5 | 60 | 100 | 155 | 35 | 40 | M18 | 18.8 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA NC 400-120 ROTA NCD 400-165 ROTA NCF 400-120 ROTA NCO 400 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA TB 400-115 ³⁾ ROTA TB 400-140 ³⁾ ROTA TB-LH 400-140 ³⁾ ROTA EP 460-165 ³⁾ ROTA EP 460-185 ³⁾ ROTA EP-LH 460-165 ³⁾ ROTA EP-LH 460-185 ³⁾ ROTA TB 470-185 ³⁾ ROTA TB-LH 470-185 ³⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SP-WB 400 | 0124105 | 25.5 | 60 | 100 | 155 | 35 | 40 | M18 | 18.8 |
| | SP-WB 500 | 0124106 | 25.5 | 60 | 100 | 195 | 37 | 40 | M18 | 24.8 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA NC 500-160 ROTA NCD 500-165 ROTA NCF 500-160 ROTA NCO 500 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA TB 500-160 ³⁾ ROTA TB 500-205 ³⁾ ROTA TB 500-230 ³⁾ ROTA TB-LH 500-205 ³⁾ ROTA TB-LH 500-230 ³⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SP-WB 400 | 0124105 | 25.5 | 60 | 100 | 155 | 35 | 40 | M18 | 18.8 |
| | SP-WB 500 | 0124106 | 25.5 | 60 | 100 | 195 | 37 | 40 | M18 | 24.8 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA TB 600-275 ³⁾ ROTA TB-LH 600-275 ³⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA TB 610-260 ³⁾ ROTA TB-LH 610-260 ³⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SP-WB 400 | 0124105 | 25.5 | 60 | 100 | 155 | 35 | 40 | M18 | 18.8 |
| | SP-WB 500 | 0124106 | 25.5 | 60 | 100 | 195 | 37 | 40 | M18 | 24.8 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA NC 630-180 ¹¹⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SP-WB 630 | 0124107 | 30 | 75 | 90 | 240 | 42 | 65 | M24 | 32.9 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NCD 630-165 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA NCF 630-180 ¹⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SP-WB 630 | 0124107 | 30 | 75 | 90 | 240 | 42 | 65 | M24 | 32.9 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA NCO 630 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA TB 630 -265 ROTA TB 630-310 ROTA TB 630 -330 | SP-WB 630 | 0124107 | 30 | 75 | 90 | 240 | 42 | 65 | M24 | 32.9 |
| ROTA TB-LH 630-265 ³⁾ | SP-WB 500 | 0124106 | 25.5 | 60 | 100 | 195 | 37 | 40 | M18 | 24.8 |
| ROTA TB-LH 630-325 | SP-WB 630 | 0124107 | 30 | 75 | 90 | 240 | 42 | 65 | M24 | 32.9 |
| ROTA NC 800 ¹⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SP-WB 630 | 0124107 | 30 | 75 | 90 | 240 | 42 | 65 | M24 | 32.9 |
| | SP-WB 800 | 0124108 | 30 | 75 | 90 | 300 | 68 | 65 | M24 | 42 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA NCO 800 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA TB 800-365 ROTA TB 800-410 ROTA TB-LH 850-375 | SP-WB 800 | 0124108 | 30 | 75 | 90 | 300 | 68 | 65 | M24 | 42 |
| ROTA NCR 1000 ¹⁾ | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| ROTA TB 1000 ROTA TB-LH 1000-560 ROTA TB-LH 1200-640 | SP-WB 800 | 0124108 | 30 | 75 | 90 | 300 | 68 | 65 | M24 | 42 |

- 1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter
 3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter noch mit M18 ausgeliefert.
 11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutzensteine verwenden.

- 1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck
 3) Please check the mounting holes. Before 2008, the chuck was delivered with M18 screws.
 11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutzensteine finden Sie ab Seite 138.
 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SCHUNK

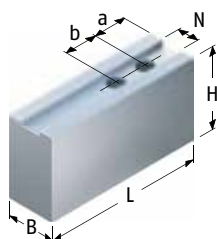
Weiche Aufsatzbacken Aluminium | Soft Top Jaws Aluminum

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|----------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA EP 380-127 ³⁾ | | | | | | | | | | |
| ROTA NC 400-120 | | | | | | | | | | |
| ROTA NCD 400-165 | | | | | | | | | | |
| ROTA NCF 400-120 | | | | | | | | | | |
| ROTA NCO 400 | | | | | | | | | | |
| ROTA TB 400-115 ³⁾ | | | | | | | | | | |
| ROTA TB 400-140 ³⁾ | | | | | | | | | | |
| ROTA TB-LH 400-140 ³⁾ | | | | | | | | | | |
| ROTA EP 460-165 ³⁾ | | | | | | | | | | |
| ROTA EP 460-185 ³⁾ | | | | | | | | | | |
| ROTA EP-LH 460-165 ³⁾ | | | | | | | | | | |
| ROTA EP-LH 460-185 ³⁾ | | | | | | | | | | |
| ROTA TB 470-185 ³⁾ | | | | | | | | | | |
| ROTA TB-LH 470-185 ³⁾ | | | | | | | | | | |
| ROTA NC 500-160 | | | | | | | | | | |
| ROTA NCD 500-165 | | | | | | | | | | |
| ROTA NCF 500-160 | SWB-AL 400 | 0168103 | 25.5 | 60 | 100 | 155 | 30 | 35 | M20 | 6.4 |
| ROTA NCO 500 | | | | | | | | | | |
| ROTA TB 500-160 ³⁾ | | | | | | | | | | |
| ROTA TB 500-205 ³⁾ | | | | | | | | | | |
| ROTA TB 500-230 ³⁾ | | | | | | | | | | |
| ROTA TB-LH 500-205 ³⁾ | | | | | | | | | | |
| ROTA TB-LH 500-230 ³⁾ | | | | | | | | | | |
| ROTA TB 600-275 ³⁾ | | | | | | | | | | |
| ROTA TB-LH 600-275 ³⁾ | | | | | | | | | | |
| ROTA TB 610-260 ³⁾ | | | | | | | | | | |
| ROTA TB-LH 610-260 ³⁾ | | | | | | | | | | |
| ROTA NC 630-180 ¹⁾ | | | | | | | | | | |
| ROTA NCD 630-165 | | | | | | | | | | |
| ROTA NCF 630-180 ¹⁾ | | | | | | | | | | |
| ROTA NCO 630 | | | | | | | | | | |
| ROTA NC 800 ¹⁾ | | | | | | | | | | |
| ROTA NCO 800 | | | | | | | | | | |
| ROTA NCR 1000 ¹⁾ | | | | | | | | | | |

- 1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backenfutter
- 3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter noch mit M18 ausgeliefert.
- 11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

- 1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck
- 3) Please check the mounting holes. Before 2008, the chuck was delivered with M18 screws.
- 11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



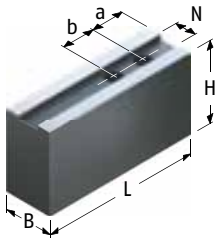
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

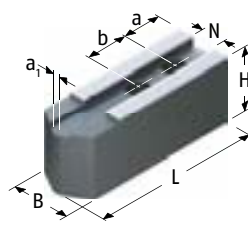
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1



Ausführung 2 | Version 2

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|---------------------|-------------------------|
| ROTA NC 165 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCF plus 185-52 ROTA NC plus 185-52 | KM-WB 61 | 0130128 | 1 | 12 | 35 | 60 | 72 | | 15 | 20 | M10 | 2.9 |
| | KM-WB 66 | 0132138 | 1 | 12 | 32 | 32 | 72 | | 15 | 20 | M10 | 1.4 |
| | KM-WBL 60 | 0132600 | 2 | 12 | 32 | 32 | 82 | 4 | 15 | 20 | M10 | 1.5 |
| | KM-WBL 62 | 0132606 | 2 | 12 | 35 | 60 | 82 | 4 | 15 | 20 | M10 | 3.6 |
| | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 |
| ROTA NC 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCF plus 215-66 ROTA NC plus 215-66 | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 |
| | KM-WBL 80 | 0132601 | 2 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 |
| | KM-WBL 81 | 0132607 | 2 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 |
| | KM-WBL 82 | 0132615 | 2 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | KM-WB 102 | 0132104 | 1 | 16 | 40 | 60 | 90 | | 15 | 30 | M12 | 4.3 |
| | KM-WB 103 | 0132105 | 1 | 16 | 40 | 60 | 110 | | 30 | 30 | M12 | 5.2 |
| | KM-WB 104 | 0132106 | 1 | 16 | 50 | 80 | 90 | | 15 | 30 | M12 | 7.3 |
| | KM-WB 105 | 0132129 | 1 | 16 | 40 | 80 | 110 | | 30 | 30 | M12 | 7.2 |
| | KM-WB 106 | 0132152 | 1 | 16 | 40 | 100 | 120 | | 30 | 30 | M12 | 9.9 |
| | KM-WB 110 | 0132140 | 1 | 16 | 40 | 42 | 110 | | 30 | 30 | M12 | 3.8 |
| | KM-WB 111 | 0132147 | 1 | 16 | 50 | 50 | 120 | | 30 | 30 | M12 | 6.2 |
| | KM-WBL 100 | 0132602 | 2 | 16 | 40 | 42 | 125 | 4 | 30 | 30 | M12 | 4.1 |
| | KM-WBL 101 | 0132608 | 2 | 16 | 40 | 100 | 125 | 4 | 30 | 30 | M12 | 9.8 |
| ROTA NC 315 ROTA NCF 315 | KM-WBL 103 | 0132609 | 2 | 16 | 40 | 60 | 125 | 4 | 30 | 30 | M12 | 5.7 |
| | KM-WB 121 | 0132107 | 1 | 18 | 50 | 50 | 130 | | 40 | 30 | M14 | 6.8 |
| | KM-WB 123 | 0132109 | 1 | 18 | 50 | 80 | 130 | | 40 | 30 | M14 | 10.5 |
| | KM-WB 125 | 0132130 | 1 | 18 | 50 | 120 | 130 | | 40 | 30 | M14 | 15.9 |
| | KM-WBL 120 | 0132603 | 2 | 18 | 50 | 50 | 145 | 10 | 30 | 30 | M14 | 7 |
| | KM-WBL 123 | 0132617 | 2 | 18 | 50 | 100 | 145 | 10 | 30 | 30 | M14 | 14.5 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 2 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| | KM-WBL 125 | 0132618 | 2 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| ROTA NC 400-120 ROTA NCF 400-120 | KM-WB 153 | 0132132 | 1 | 22 | 60 | 80 | 165 | | 37 | 43 | M20 | 16.1 |
| | KM-WB 155 | 0132156 | 1 | 22 | 60 | 120 | 165 | | 37 | 43 | M20 | 24.2 |
| | KM-WBL 150 | 0132605 | 2 | 22 | 60 | 60 | 185 | 10 | 30 | 43 | M20 | 12.6 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



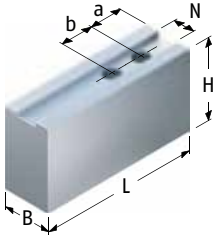
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NC 165 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCF plus 185-52 ROTA NC plus 185-52 | KM-WBAL 70 | 0132521 | 12 | 35 | 50 | 72 | 15 | 20 | M10 | 0.9 |
| ROTA NC 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCF plus 215-66 ROTA NC plus 215-66 | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | KM-WBAL 100 | 0132523 | 16 | 40 | 60 | 110 | 25 | 30 | M12 | 1.9 |
| ROTA NC 315 ROTA NCF 315 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| ROTA NC 400-120 ROTA NCF 400-120 | KM-WBAL 150 | 0132526 | 22 | 60 | 80 | 145 | 30 | 43 | M20 | 5.1 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



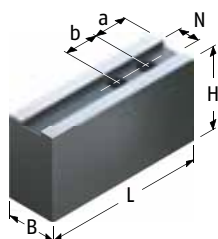
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SCHUNK

Weiche Aufsatzbacken | *Soft Top Jaws*

Modul2 Verzahnung

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsetzhärtbar



Modul2 Serration

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | M [μ m] | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> |
|---------------------------------|-----------------------------------|---------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|
| ROTA NC 1000 ROTA NCO 1000 | SWB-M 800 | 0120452 | 75 | 30 | 80 | 110 | 220 | 45 | 50 | M24 | 38.4 |

Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

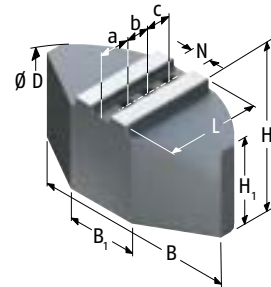
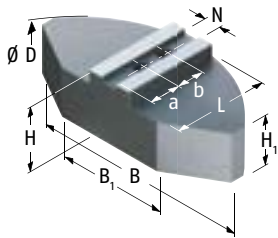
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1

Ausführung 2 | Version 2

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|--------------------------------------|----------------------------|-----------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|---|
| ROTA NCD 130 ROTA NCD 132-32 | FR-SM 130 | 0120700 | 2 | 10 | 100 | 35 | 130 | 40 | 35 | 50 | 15 | 12 | 12 | M6 | 3 |
| ROTA NCD 160 | FR-SM 160 | 0120701 | 2 | 12 | 120 | 40 | 160 | 60 | 50 | 60 | 20 | 15 | 15 | M8 | 6 |
| ROTA TP 160-38 | SWB-SM 165 | 0169099 | 1 | 14 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 20 | | M10 | 5.6 |
| ROTA NC 165 | SWB-SM 160 | 0169100 | 1 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | | M12 | 5.7 |
| ROTA NCD 165-46 | FR-SM 160 | 0120701 | 2 | 12 | 120 | 40 | 160 | 60 | 50 | 60 | 20 | 15 | 15 | M8 | 6 |
| ROTA NCF 165 | SWB-SM 160 | 0169100 | 1 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | | M12 | 5.7 |
| ROTA NCK plus 165-45 | SWB-SM 165 | 0169099 | 1 | 14 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 20 | | M10 | 5.6 |
| ROTA NCO 165 ROTA NCD 185-54 | SWB-SM 160 | 0169100 | 1 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | | M12 | 5.7 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SWB-SM 165 | 0169099 | 1 | 14 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 20 | | M10 | 5.6 |
| ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK plus 210-52 ROTA NCO 210 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | SWB-SM 200 SWB-SM 201 | 0169101 0169106 | 1 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | | M12 | 8.6 10.8 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 | SWB-SM 250/21 SWB-SM 251 | 0169103 0169107 | 1 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | | M16 | 14 21.7 |
| ROTA NCK plus 250-75 | SWB-SM 200 | 0169101 | 1 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 1 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | | M12 | 10.8 |
| | SWB-SM 250/17 | 0169102 | 1 | 17 | 180 | 104 | 250 | 60 | 45 | 79 | 44.5 | 22 | | M12 | 12 |
| ROTA TP 250-68 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 | SWB-SM 250/21 SWB-SM 251 | 0169103 0169107 | 1 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | | M16 | 14 21.7 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SCHUNK

Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NC 315 ROTA NCD 315-115 ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCK plus 315-91 ROTA NCO 315 ROTA NC plus 315-104 ROTA TP 315-105 ROTA TP 315-90 ROTA TP 350-115 ROTA TP-LH 350-115 ROTA EP 500-260 | SWB-SM 315 | 0169104 | 1 | 21 | 240 | 120 | 320 | 70 | 55 | 110 | 60 | 28 | | M16 | 26.6 |
| ROTA NCR 500 ¹⁾ ROTA NCR 630 ¹⁾ ROTA NCR 800 ¹⁾ | SWB-SM 250/21 | 0169103 | 1 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | | M16 | 14 |
| | SWB-SM 251 | 0169107 | 1 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | | M16 | 21.7 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



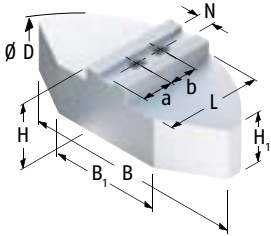
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

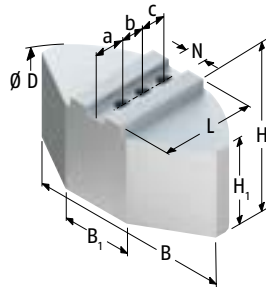
- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



Ausführung 1 | Version 1



Ausführung 2 | Version 2

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NCD 130 ROTA NCD 132-32 | FR-SA 130 | 0120650 | 2 | 10 | 100 | 35 | 130 | 48 | 43 | 47.4 | 15 | 12 | 12 | M6 | 1.3 |
| ROTA NCD 160 | FR-SA 160 | 0120651 | 2 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 18 | 15 | 15 | M8 | 2.1 |
| ROTA TP 160-38 | SWB-SA 165 | 0170099 | 1 | 14 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | | M10 | 1.9 |
| ROTA NC 165 | SWB-SA 160 | 0170100 | 1 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | | M12 | 2.2 |
| ROTA NCD 165-46 | FR-SA 160 | 0120651 | 2 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 18 | 15 | 15 | M8 | 2.1 |
| ROTA NCF 165 | SWB-SA 160 | 0170100 | 1 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | | M12 | 2.2 |
| ROTA NCK plus 165-45 | SWB-SA 165 | 0170099 | 1 | 14 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | | M10 | 1.9 |
| ROTA NCO 165 ROTA NCD 185-54 | SWB-SA 160 | 0170100 | 1 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | | M12 | 2.2 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SWB-SA 165 | 0170099 | 1 | 14 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | | M10 | 1.9 |
| ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK plus 210-52 ROTA NCO 210 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | SWB-SA 201 | 0170106 | 1 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | | M12 | 4.2 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 | SWB-SA 250/21 | 0170103 | 1 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 1 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | | M16 | 8.3 |
| ROTA NCK plus 250-75 | SWB-SA 200 | 0170101 | 1 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 1 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | | M12 | 4.2 |
| ROTA TP 250-68 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 | SWB-SA 250/21 | 0170103 | 1 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 1 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | | M16 | 8.3 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SCHUNK

Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminium*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NC 315 ROTA NCD 315-115 ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCK plus 315-91 ROTA NCO 315 ROTA NC plus 315-104 ROTA TP 315-105 ROTA TP 315-90 ROTA TP 350-115 ROTA TP-LH 350-115 ROTA EP 500-260 | SWB-SA 315 | 0170104 | 1 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 70 | 28 | | M16 | 12 |
| ROTA NCR 500 ¹⁾ ROTA NCR 630 ¹⁾ ROTA NCR 800 ¹⁾ | SWB-SA 250/21 | 0170103 | 1 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 1 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | | M16 | 8.3 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



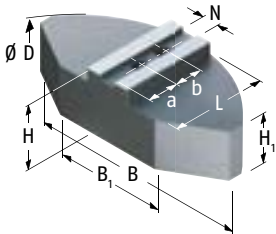
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|----------------------------------|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA EP 380-127 ³⁾ | | | | | | | | | | | | | |
| ROTA NC 400-120 | | | | | | | | | | | | | |
| ROTA NCD 400-165 | | | | | | | | | | | | | |
| ROTA NCF 400-120 | | | | | | | | | | | | | |
| ROTA NCO 400 | | | | | | | | | | | | | |
| ROTA TB 400-115 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 400-140 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 400-140 ³⁾ | | | | | | | | | | | | | |
| ROTA EP 460-165 ³⁾ | | | | | | | | | | | | | |
| ROTA EP 460-185 ³⁾ | | | | | | | | | | | | | |
| ROTA EP-LH 460-165 ³⁾ | | | | | | | | | | | | | |
| ROTA EP-LH 460-185 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 470-185 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 470-185 ³⁾ | | | | | | | | | | | | | |
| ROTA NC 500-160 | | | | | | | | | | | | | |
| ROTA NCD 500-165 | SWB-SM 400 | 0169105 | 25.5 | 330 | 150 | 440 | 85 | 55 | 155 | 85 | 35 | M20 | 55.2 |
| ROTA NCF 500-160 | | | | | | | | | | | | | |
| ROTA NCO 500 | | | | | | | | | | | | | |
| ROTA TB 500-160 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 500-205 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 500-230 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 500-205 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 500-230 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 600-275 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 600-275 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 610-260 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 610-260 ³⁾ | | | | | | | | | | | | | |
| ROTA NC 630-180 ¹⁾ | | | | | | | | | | | | | |
| ROTA NCD 630-165 | | | | | | | | | | | | | |
| ROTA NCF 630-180 ¹⁾ | | | | | | | | | | | | | |
| ROTA NC 800 ¹⁾ | | | | | | | | | | | | | |
| ROTA NCR 1000 ¹⁾ | | | | | | | | | | | | | |

- 1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter
- 3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter noch mit M18 ausgeliefert.
- 11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

- 1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck
- 3) Please check the mounting holes. Before 2008, the chuck was delivered with M18 screws.
- 11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



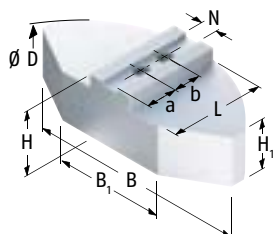
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|----------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA EP 380-127 ³⁾ | | | | | | | | | | | | | |
| ROTA NC 400-120 | | | | | | | | | | | | | |
| ROTA NCD 400-165 | | | | | | | | | | | | | |
| ROTA NCF 400-120 | | | | | | | | | | | | | |
| ROTA NCO 400 | | | | | | | | | | | | | |
| ROTA TB 400-115 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 400-140 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 400-140 ³⁾ | | | | | | | | | | | | | |
| ROTA EP 460-165 ³⁾ | | | | | | | | | | | | | |
| ROTA EP 460-185 ³⁾ | | | | | | | | | | | | | |
| ROTA EP-LH 460-165 ³⁾ | | | | | | | | | | | | | |
| ROTA EP-LH 460-185 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 470-185 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 470-185 ³⁾ | | | | | | | | | | | | | |
| ROTA NC 500-160 | | | | | | | | | | | | | |
| ROTA NCD 500-165 | SWB-SA 400 | 0170105 | 25.5 | 330 | 150 | 440 | 98 | 68 | 160 | 85 | 35 | M20 | 26.2 |
| ROTA NCF 500-160 | | | | | | | | | | | | | |
| ROTA NCO 500 | | | | | | | | | | | | | |
| ROTA TB 500-160 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 500-205 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 500-230 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 500-205 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 500-230 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 600-275 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 600-275 ³⁾ | | | | | | | | | | | | | |
| ROTA TB 610-260 ³⁾ | | | | | | | | | | | | | |
| ROTA TB-LH 610-260 ³⁾ | | | | | | | | | | | | | |
| ROTA NC 630-180 ¹⁾ | | | | | | | | | | | | | |
| ROTA NCD 630-165 | | | | | | | | | | | | | |
| ROTA NCF 630-180 ¹⁾ | | | | | | | | | | | | | |
| ROTA NC 800 ¹⁾ | | | | | | | | | | | | | |
| ROTA NCR 1000 ¹⁾ | | | | | | | | | | | | | |

- Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter
- Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter noch mit M18 ausgeliefert.
- Bitte Nutbreite prüfen und ggf. abgesetzte Nutzensteine verwenden.

- Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck
- Please check the mounting holes. Before 2008, the chuck was delivered with M18 screws.
- Please control the slot width and if necessary please use stepped T-nuts!

Passende Nutzensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

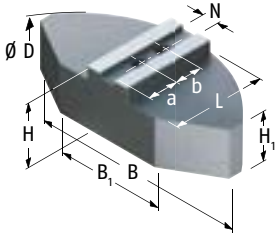
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NC 165 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCF plus 185-52 ROTA NC plus 185-52 | KMWB-SM 165 | 0132700 | 12 | 119 | 50 | 160 | 50 | 40 | 60 | 25 | 20 | M10 | 4.9 |
| ROTA NC 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCF plus 215-66 ROTA NC plus 215-66 | KMWB-SM 210 | 0132701 | 14 | 140 | 70 | 200 | 60 | 50 | 70 | 30 | 25 | M12 | 8.8 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | KMWB-SM 211 | 0132705 | 14 | 140 | 70 | 200 | 80 | 70 | 70 | 30 | 25 | M12 | 11.7 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | KMWB-SM 250 | 0132702 | 16 | 180 | 100 | 250 | 60 | 45 | 80 | 30 | 30 | M12 | 12 |
| ROTA NC 315 ROTA NCF 315 | KMWB-SM 251 | 0132706 | 16 | 180 | 100 | 250 | 80 | 70 | 80 | 30 | 30 | M12 | 18.5 |
| ROTA NC 315 ROTA NCF 315 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |
| ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

SCHUNK

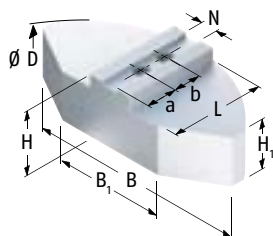
Weiche Segmentbacken Aluminium | Soft Full Grip Jaws Aluminium

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminium



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NC 165 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCF plus 185-52 ROTA NC plus 185-52 | KMWB-SA 165 | 0132800 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 2.2 |
| ROTA NC 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCF plus 215-66 ROTA NC plus 215-66 | KMWB-SA 210 | 0132801 | 14 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 25 | M12 | 3.3 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | KMWB-SA 211 | 0132805 | 14 | 140 | 50 | 200 | 80 | 70 | 72.5 | 35 | 25 | M12 | 4.5 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | KMWB-SA 250 | 0132802 | 16 | 180 | 70 | 250 | 58 | 43 | 87.5 | 40 | 30 | M12 | 4.7 |
| ROTA NC 315 ROTA NCF 315 | KMWB-SA 251 | 0132806 | 16 | 180 | 70 | 250 | 80 | 65 | 87.5 | 40 | 30 | M12 | 6.6 |
| ROTA NC 315 ROTA NCF 315 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |
| ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |



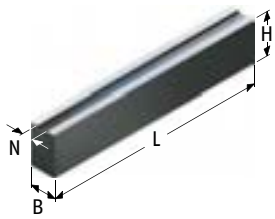
Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| ROTA NCD 130 ROTA NCD 132-32 | SBM-ST 100 | 0112150 | 10 | 35 | 60 | 420 | 6.7 |
| ROTA 2B 160 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| ROTA NCD 160 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| ROTA TP 160-38 | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| ROTA NC 165 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| ROTA NCD 165-46 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| ROTA NCF 165 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| ROTA NCK plus 165-45 | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| ROTA NCO 165 ROTA NCD 185-54 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| ROTA 2B 200 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| ROTA NCK plus 210-52 ROTA NCO 210 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| ROTA 2B 250 ¹¹⁾ ROTA NC 250 ROTA NCD 250 ROTA NCF 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| ROTA NCK plus 250-75 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| ROTA NCR 250 | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| ROTA TP 250-68 ROTA NCD 255-86 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 ROTA 2B 315 ¹¹⁾ ROTA NC 315 ROTA NCD 315-115 ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCK plus 315-91 ROTA NCO 315 ROTA NC plus 315-104 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| ROTA NCR 315 | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| ROTA TP 315-105 ROTA TP 315-90 ROTA TP 350-115 ROTA TP-LH 350-115 ROTA 2B 400 ¹¹⁾ ROTA NCR 400 ROTA EP 500-260 ROTA NCR 500 ROTA NCR 630 ROTA NCR 800 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



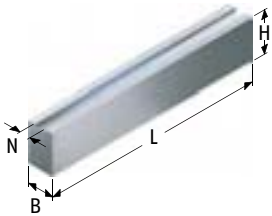
For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| ROTA 2B 160 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| ROTA NCD 160 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| ROTA TP 160-38 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |
| ROTA NC 165 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| ROTA NCD 165-46 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| ROTA NCF 165 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| ROTA NCK plus 165-45 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |
| ROTA NCO 165 ROTA NCD 185-54 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |
| ROTA 2B 200 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK plus 210-52 ROTA NCO 210 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| ROTA 2B 250 ¹⁾ ROTA NC 250 ROTA NCD 250 ROTA NCF 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| ROTA NCK plus 250-75 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| ROTA NCR 250 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| ROTA TP 250-68 ROTA NCD 255-86 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 ROTA 2B 315 ¹¹⁾ ROTA NC 315 ROTA NCD 315-115 ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCK plus 315-91 ROTA NCO 315 ROTA NC plus 315-104 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| ROTA NCR 315 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |
| ROTA TP 315-105 ROTA TP 315-90 ROTA TP 350-115 ROTA TP-LH 350-115 ROTA 2B 400 ¹¹⁾ ROTA NCR 400 ROTA EP 500-260 ROTA NCR 500 ROTA NCR 630 ROTA NCR 800 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



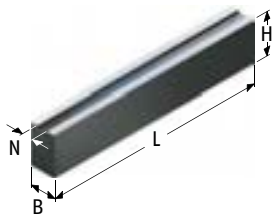
Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3/32" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| ROTA NC 400-120 ROTA NCD 400-165 ROTA NCF 400-120 ROTA NCO 400 ROTA NC 500-160 ROTA NCD 500-165 ROTA NCF 500-160 ROTA NCO 500 | SBM-ST 250 | 0112190 | 25.5 | 60 | 100 | 420 | 19.2 |
| ROTA NC 630-180 ¹¹⁾ ROTA NCD 630-165 ROTA NCF 630-180 ¹¹⁾ ROTA NCO 630 ROTA NC 800 ¹¹⁾ ROTA NCO 800 ROTA NCR 1000 | SBM-ST 251 | 0112191 | 25.5 | 60 | 160 | 420 | 30.9 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SCHUNK

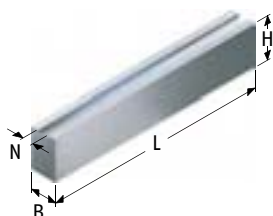
Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| ROTA NC 400-120 | | | | | | | |
| ROTA NCD 400-165 | | | | | | | |
| ROTA NCF 400-120 | | | | | | | |
| ROTA NCO 400 | | | | | | | |
| ROTA NC 500-160 | | | | | | | |
| ROTA NCD 500-165 | | | | | | | |
| ROTA NCF 500-160 | | | | | | | |
| ROTA NCO 500 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |
| ROTA NC 630-180 ¹¹⁾ | | | | | | | |
| ROTA NCD 630-165 | | | | | | | |
| ROTA NCF 630-180 ¹¹⁾ | | | | | | | |
| ROTA NCO 630 | | | | | | | |
| ROTA NC 800 ¹¹⁾ | | | | | | | |
| ROTA NCO 800 | | | | | | | |
| ROTA NCR 1000 | | | | | | | |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutzensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



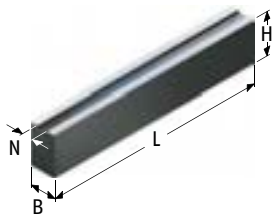
Passende Nutzensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|--|-----------------------------------|--------------------|--------------------|---------------------|-----------------------|----------------------------|
| ROTA NC 165 ROTA NCD 165-46 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCD 185-54 ROTA NCF plus 185-52 ROTA NC plus 185-52 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | JBM-ST 140 JBM-ST 141 | 0114520 0114521 | 14 14 | 40 60 | 80 60 | 420 420 | 10.2 11.2 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCD 255-86 ROTA NCF plus 260-86 ROTA NC plus 260-86 | JBM-ST 160 JBM-ST 161 JBM-ST 162 | 0114530 0114531 0114532 | 16 16 16 | 40 40 60 | 80 120 60 | 420 420 420 | 10.2 15.4 11.4 |
| ROTA NCD 315-115 ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | JBM-ST 210 JBM-ST 211 | 0114540 0114541 | 21 21 | 50 60 | 80 120 | 420 420 | 12.7 23.2 |
| ROTA NC 400-120 ROTA NCF 400-120 | JBM-ST 220 | 0114550 | 22 | 60 | 120 | 420 | 23.2 |



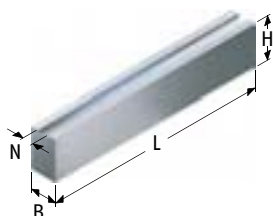
Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium



Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| ROTA NC 165 ROTA NCD 165-46 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCD 185-54 ROTA NCF plus 185-52 ROTA NC plus 185-52 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCD 215-66 ROTA NCF plus 215-66 ROTA NC plus 215-66 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCD 255-86 ROTA NCF plus 260-86 ROTA NC plus 260-86 | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| ROTA NCD 315-115 ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | JBM-STA 210 | 0114542 | 21 | 50 | 80 | 420 | 4.6 |
| ROTA NC 400-120 ROTA NCF 400-120 | JBM-STA 220 | 0114552 | 22 | 60 | 100 | 420 | 7 |



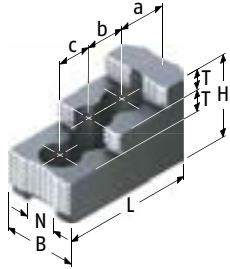
Passende Nutensteine finden Sie ab Seite 138.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Set [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|---------------|
| ROTA TP 125-26 | SHB 125 | 0125100 | 11 | 26 | 40 | 58.5 | 9 | 14.5 | 16 | 16 | M8 | 0.7 |
| ROTA NCD 130 ROTA NCD 132-32 | SHB-FR 130 | 0121109 | 10 | 26 | 37.5 | 58 | 10 | 11.6 | 12 | 12 | M6 | 0.4 |
| ROTA NCD 160 | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| ROTA TP 160-38 | SHB 165 | 0121101 | 14 | 30 | 46 | 79.7 | 11 | 16.6 | 22 | 22 | M10 | 1.3 |
| ROTA NC 165 | SHB 175 | 0121103 | 17 | 35 | 44 | 64.7 | 10 | 28 | 19 | | M12 | 1.2 |
| | SHB 200 | 0121104 | 17 | 40 | 49 | 72.5 | 12 | 18 | 19 | 19 | M12 | 1.6 |
| ROTA NCD 165-46 | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| ROTA NCF 165 | SHB 175 | 0121103 | 17 | 35 | 44 | 64.7 | 10 | 28 | 19 | | M12 | 1.2 |
| | SHB 200 | 0121104 | 17 | 40 | 49 | 72.5 | 12 | 18 | 19 | 19 | M12 | 1.6 |
| ROTA NCK plus 165-45 | SHB 165 | 0121101 | 14 | 30 | 46 | 79.7 | 11 | 16.6 | 22 | 22 | M10 | 1.3 |
| ROTA NCD 185-54 | SHB 200 | 0121104 | 17 | 40 | 49 | 72.5 | 12 | 18 | 19 | 19 | M12 | 1.6 |
| | SHB 175 | 0121103 | 17 | 35 | 44 | 64.7 | 10 | 28 | 19 | | M12 | 1.2 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SHB 165 | 0121101 | 14 | 30 | 46 | 79.7 | 11 | 16.6 | 22 | 22 | M10 | 1.3 |
| ROTA TP 200-52 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NC 210 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NCD 210 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NCF 210 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NCK plus 210-52 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NCO 210 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NCD 215-66 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NCF plus 215-66 ROTA NC plus 215-66 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NC 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ROTA NCD 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ROTA NCF 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ROTA NCK plus 250-75 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| ROTA NCR 250 ¹⁾ | SHB 165 | 0121101 | 14 | 30 | 46 | 79.7 | 11 | 16.6 | 22 | 22 | M10 | 1.3 |
| ROTA TP 250-68 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NCD 255-86 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ROTA NCF plus 260-86 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ROTA NCO 260 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ROTA NC plus 260-86 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ROTA NC 315 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCD 315-115 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCF 315 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCF plus 315-104 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCK plus 315-91 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCO 315 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NC plus 315-104 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCR 315 ¹⁾ | SHB 165 | 0121101 | 14 | 30 | 46 | 79.7 | 11 | 16.6 | 22 | 22 | M10 | 1.3 |
| ROTA TP 315-105 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA TP 315-90 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA TP 350-115 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA TP-LH 350-115 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCR 400 ¹⁾ | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA EP 500-260 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCR 500 ¹⁾ | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCR 630 ¹⁾ | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| ROTA NCR 800 ¹⁾ | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck



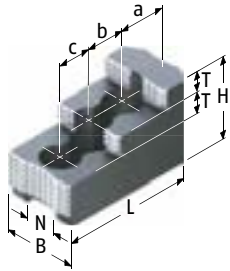
Passende Nutensteine finden Sie ab Seite 138.



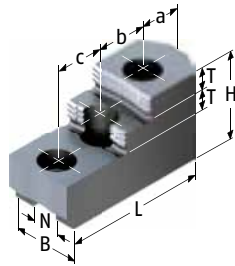
For suitable T-nuts see page 138.

Spitzverzahnung 3/32" x 90°

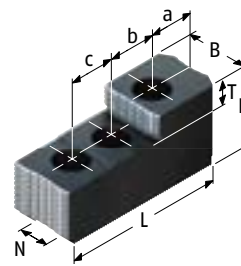
- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

Fine serration 3/32" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|----------------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA EP 380-127 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA NC 400-120 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA NCD 400-165 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA NCF 400-120 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA NCO 400 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA TB 400-115 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB 400-140 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB-LH 400-140 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA EP 460-165 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA EP 460-185 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA EP-LH 460-165 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA EP-LH 460-185 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB 470-185 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA TB-LH 470-185 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA NC 500-160 ROTA NCD 500-165 ROTA NCF 500-160 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA NCO 500 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA TB 500-160 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB 500-205 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB 500-230 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB-LH 500-205 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB-LH 500-230 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB 600-275 ³⁾ | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA TB-LH 600-275 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB 610-260 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB-LH 610-260 ³⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA NC 630-180 ¹¹⁾ | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA NCD 630-165 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA NCF 630-180 ¹¹⁾ | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA NCO 630 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA TB 630 -265 | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| ROTA TB 630-310 | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| ROTA TB 630 -330 | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| ROTA TB-LH 630-265 ³⁾ | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| ROTA TB-LH 630-325 | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| ROTA NC 800 ¹¹⁾ | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NCO 800 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA TB 800-365 | SP-HB 800 | 0125108 | 2 | 30 | 75 | 105 | 250 | 22 | 91.8 | 60 | 60 | M24 | 29.4 |
| ROTA TB 800-410 | SP-HB 800 | 0125108 | 2 | 30 | 75 | 105 | 250 | 22 | 91.8 | 60 | 60 | M24 | 29.4 |
| ROTA TB-LH 850-375 | SP-HB 800 | 0125108 | 2 | 30 | 75 | 105 | 250 | 22 | 91.8 | 60 | 60 | M24 | 29.4 |
| ROTA NCR 1000 ¹⁾ | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| ROTA TB 1000 | SP-HB 800 | 0125108 | 2 | 30 | 75 | 105 | 250 | 22 | 91.8 | 60 | 60 | M24 | 29.4 |
| ROTA TB-LH 1000-560 ROTA TB-LH 1200-640 | SP-HB 800 | 0125108 | 2 | 30 | 75 | 105 | 250 | 22 | 91.8 | 60 | 60 | M24 | 29.4 |

- 1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter
 3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter noch mit M18 ausgeliefert.
 11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

- 1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck
 3) Please check the mounting holes. Before 2008, the chuck was delivered with M18 screws.
 11) Please control the slot width and if necessary please use stepped T-nuts!



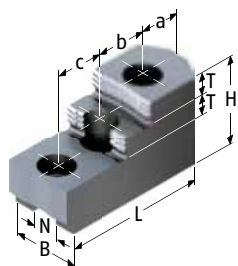
Passende Nutensteine finden Sie ab Seite 138.



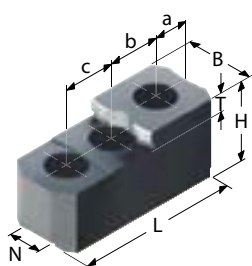
For suitable T-nuts see page 138.

Spitzverzahnung 1,5 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Fine serration 1,5 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NC 165 ROTA NCF 165 ROTA NCK 165 | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| ROTA NCK plus 165-45 | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| ROTA NC 210 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| ROTA NCF 210 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| ROTA NCK 210 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| ROTA NCK plus 210-52 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| ROTA NCF plus 215-66 ROTA NC plus 215-66 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| ROTA NC 250 ROTA NCF 250 ROTA NCK 250 | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| ROTA NCK plus 250-75 | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| ROTA NCF plus 260-86 ROTA NC plus 260-86 | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| ROTA NC 315 ROTA NCF 315 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| ROTA NCF plus 315-104 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|-------------------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NCK 315 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| ROTA NCK plus 315-91 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| ROTA NC plus 315-104 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| ROTA NC 400-120 ROTA NCF 400-120 | SHB-J 150 | 0133114 | 1 | 22 | 60 | 86 | 143 | 20 | 27 | 43 | 43 | M20 | 9 |

7) Gewichtserleichterte Ausführung für max. Drehzahlen

7) Reduced weight for higher RPM's



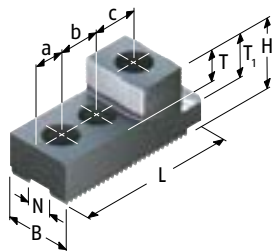
Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Modul2 Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Modul2 Serration

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | T1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-----------------|------|
| ROTA NC 1000 | SHB-M 800 | 0121160 | 30 | 78 | 87 | 190 | 37 | 52 | 32 | 50 | 50 | M24 | 15 | |
| ROTA NCO 1000 | SHB-M 800 | 0121160 | 30 | 78 | 87 | 190 | 37 | 52 | 32 | 50 | 50 | M24 | 15 | |



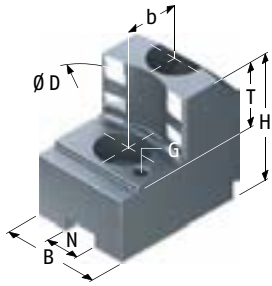
Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannreich- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCD 160 | 34 - 67 | 175 | SZA 16-10 | 0122250 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 62 - 96 | 173 | SZA 16-11 | 0122251 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 82 - 116 | 174 | SZA 16-12 | 0122252 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 0.9 |
| ROTA TP 160-38 | 32 - 61 | 183 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 54 - 84 | 185 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 80 - 111 | 187 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 106 - 137 | 195 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NC 165 | 36 - 66 | 181 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 55 - 85 | 181 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 77 - 107 | 181 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 95 - 125 | 186 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 117 - 147 | 206 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| ROTA NCD 165-46 | 41 - 68 | 175 | SZA 16-10 | 0122250 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 69 - 96 | 173 | SZA 16-11 | 0122251 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 89 - 117 | 174 | SZA 16-12 | 0122252 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 0.9 |
| ROTA NCF 165 | 36 - 66 | 181 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 55 - 85 | 181 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 77 - 107 | 181 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 95 - 125 | 186 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 117 - 147 | 206 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| ROTA NCK plus 165-45 | 29 - 63 | 185 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 47 - 86 | 187 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 73 - 112 | 188 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 99 - 138 | 196 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |

Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCO 165 | 40 - 69 | 184 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 59 - 88 | 184 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 81 - 111 | 184 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 99 - 129 | 189 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 121 - 151 | 211 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| ROTA NCD 185-54 | 29 - 48 | 195 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 38 - 75 | 195 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 64 - 105 | 195 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 93 - 132 | 197 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 112 - 162 | 221 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NCF plus 185-52 | 40 - 76 | 198 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 62 - 99 | 200 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 89 - 126 | 202 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 115 - 156 | 214 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NC plus 185-52 | 40 - 76 | 198 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 62 - 99 | 200 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 89 - 126 | 202 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 115 - 156 | 214 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA TP 200-52 | 33 - 76 | 225 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 60 - 104 | 225 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 89 - 134 | 225 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 116 - 161 | 227 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 146 - 191 | 251 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NC 210 | 29 - 77 | 226 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 53 - 105 | 226 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 82 - 134 | 226 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 109 - 161 | 228 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 139 - 192 | 252 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NCD 210 | 29 - 76 | 225 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 43 - 104 | 225 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 71 - 133 | 225 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 98 - 160 | 227 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 128 - 191 | 251 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NCF 210 | 29 - 77 | 226 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 53 - 105 | 226 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 82 - 134 | 226 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 109 - 161 | 228 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 139 - 192 | 252 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCK plus 210-52 | 33 - 72 | 221 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 49 - 100 | 221 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 78 - 129 | 221 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 105 - 157 | 223 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 135 - 187 | 247 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NCO 210 | 30 - 82 | 231 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 54 - 110 | 231 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 83 - 140 | 231 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 110 - 167 | 233 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 140 - 197 | 257 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NCD 215-66 | 29 - 70 | 219 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 43 - 98 | 219 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 71 - 127 | 219 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 98 - 155 | 221 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 128 - 185 | 245 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NCF plus 215-66 | 40 - 79 | 228 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 67 - 107 | 228 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 97 - 137 | 228 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 124 - 164 | 230 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 154 - 194 | 254 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NC plus 215-66 | 40 - 79 | 228 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 67 - 107 | 228 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 97 - 137 | 228 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 124 - 164 | 230 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 154 - 194 | 254 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| ROTA NC 250 | 45 - 102 | 270 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 84 - 142 | 270 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 133 - 192 | 272 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 180 - 239 | 309 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCD 250 | 38 - 94 | 262 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 77 - 134 | 262 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 126 - 184 | 265 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 174 - 231 | 301 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCF 250 | 45 - 102 | 270 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 84 - 142 | 270 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 133 - 192 | 272 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 180 - 239 | 309 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCK plus 250-75 | 39 - 110 | 282 | SZA 25-6 | 0138176 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 2.3 |
| | 70 - 143 | 263 | SZA 25-7 | 0138177 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.7 |
| | 127 - 200 | 270 | SZA 25-8 | 0138178 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 1.8 |
| | 162 - 235 | 305 | SZA 25-9 | 0138179 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.4 |



Passende Nutensteine finden Sie ab Seite 138.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.

For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCR 250 ¹⁾ | 71 - 137 | 261 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 94 - 160 | 263 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 121 - 187 | 264 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 147 - 213 | 272 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA TP 250-68 | 53 - 108 | 276 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 93 - 148 | 276 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 142 - 198 | 279 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 189 - 245 | 316 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCD 255-86 | 39 - 98 | 266 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 77 - 138 | 266 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 127 - 188 | 269 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 174 - 235 | 305 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCF plus 260-86 | 62 - 106 | 274 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 101 - 146 | 274 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 151 - 195 | 276 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 198 - 242 | 313 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCO 260 | 51 - 115 | 283 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 90 - 155 | 283 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 140 - 204 | 285 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 187 - 251 | 322 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NC plus 260-86 | 62 - 106 | 274 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 101 - 146 | 274 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 151 - 195 | 276 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 198 - 242 | 313 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NC 315 | 48 - 135 | 336 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 106 - 192 | 336 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 171 - 259 | 335 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 235 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NCD 315-115 | 46 - 135 | 336 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 104 - 193 | 337 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 169 - 259 | 335 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 233 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NCF 315 | 48 - 135 | 336 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 106 - 192 | 336 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 171 - 259 | 335 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 235 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NCF plus 315-104 | 60 - 137 | 337 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 118 - 194 | 338 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 183 - 260 | 336 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 246 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCK plus 315-91 | 49 - 124 | 325 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 100 - 182 | 326 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 164 - 248 | 324 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 228 - 304 | 376 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NCO 315 | 45 - 143 | 344 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 100 - 201 | 344 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 165 - 267 | 343 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 229 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NC plus 315-104 | 60 - 137 | 337 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 118 - 194 | 338 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 183 - 260 | 336 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 246 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NCR 315 ¹⁾ | 72 - 207 | 331 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 95 - 230 | 333 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 121 - 257 | 334 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 147 - 283 | 342 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA TP 315-105 | 74 - 164 | 365 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 132 - 222 | 366 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 198 - 288 | 364 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 262 - 335 | 407 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA TP 315-90 | 51 - 147 | 348 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 109 - 205 | 349 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 174 - 271 | 347 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 238 - 320 | 392 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA TP 350-115 | 84 - 176 | 377 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 142 - 234 | 378 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 208 - 300 | 376 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 272 - 350 | 423 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA TP-LH 350-115 | 94 - 178 | 378 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 152 - 235 | 379 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 217 - 301 | 377 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 281 - 360 | 433 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NCR 400 ¹⁾ | 87 - 229 | 430 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 109 - 251 | 421 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 145 - 286 | 431 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 149 - 291 | 421 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 199 - 340 | 422 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 210 - 352 | 429 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 246 - 388 | 460 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| 274 - 400 | 473 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 | |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|----------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| ROTA EP 500-260 | 250 – 289 | 490 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 307 – 346 | 491 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 373 – 411 | 489 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 437 – 475 | 549 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| ROTA NCR 500 ¹⁾ | 87 – 328 | 530 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 109 – 351 | 521 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 145 – 385 | 531 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 149 – 391 | 521 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 199 – 440 | 523 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 210 – 451 | 529 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 246 – 488 | 560 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCR 630 ¹⁾ | 274 – 500 | 574 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| | 160 – 458 | 660 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 182 – 481 | 651 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 217 – 515 | 661 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 222 – 520 | 651 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 272 – 570 | 653 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 283 – 580 | 659 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| ROTA NCR 800 ¹⁾ | 319 – 617 | 690 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 347 – 630 | 704 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| | 160 – 626 | 828 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 217 – 682 | 829 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 283 – 748 | 827 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 347 – 800 | 875 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-
futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck



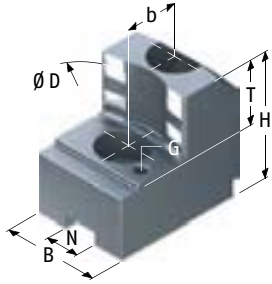
Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spann- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA EP 380-127 ³⁾ | 79 - 111 | 454 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 102 - 140 | 404 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 177 - 210 | 434 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 261 - 294 | 414 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 332 - 365 | 459 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 341 - 380 | 479 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NC 400-120 | 70 - 169 | 433 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 144 - 244 | 469 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 227 - 328 | 449 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 298 - 392 | 487 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA NCD 400-165 | 61 - 169 | 433 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 135 - 244 | 469 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 218 - 328 | 449 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 399 | 493 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA NCF 400-120 | 70 - 169 | 433 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 144 - 244 | 469 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 227 - 320 | 449 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 298 - 392 | 487 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA NCO 400 | 61 - 181 | 446 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 115 - 266 | 492 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 198 - 351 | 472 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 269 - 400 | 494 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA TB 400-115 ³⁾ | 63 - 158 | 503 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 159 - 257 | 482 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 243 - 341 | 462 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 314 - 390 | 485 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |

Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|----------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA TB 400-140 ³⁾ | 82 - 177 | 522 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 180 - 277 | 503 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 263 - 362 | 484 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 334 - 412 | 507 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA TB-LH 400-140 ³⁾ | 114 - 179 | 523 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 213 - 279 | 504 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 297 - 363 | 484 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 368 - 434 | 528 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA EP 460-165 ³⁾ | 141 - 194 | 540 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 240 - 294 | 520 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 324 - 378 | 500 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 395 - 450 | 545 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA EP 460-185 ³⁾ | 141 - 204 | 550 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 240 - 304 | 530 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 324 - 389 | 515 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 395 - 460 | 555 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA EP-LH 460-165 ³⁾ | 147 - 186 | 532 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 246 - 286 | 512 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 330 - 370 | 492 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 401 - 442 | 537 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA EP-LH 460-185 ³⁾ | 150 - 198 | 544 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 250 - 299 | 524 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 334 - 382 | 504 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 405 - 453 | 551 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA TB 470-185 ³⁾ | 131 - 231 | 576 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 230 - 331 | 557 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 314 - 415 | 537 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 385 - 470 | 564 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA TB-LH 470-185 ³⁾ | 135 - 221 | 566 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 234 - 322 | 547 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 318 - 406 | 527 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 389 - 470 | 564 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| ROTA NC 500-160 | 104 - 238 | 588 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 202 - 338 | 564 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 287 - 423 | 544 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 357 - 492 | 587 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 437 - 524 | 624 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|----------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCD 500-165 | 71 - 243 | 593 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 135 - 343 | 569 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 218 - 428 | 549 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 499 | 593 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 367 - 530 | 630 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NCF 500-160 | 104 - 238 | 588 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 202 - 338 | 564 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 287 - 423 | 544 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 357 - 492 | 587 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 437 - 524 | 624 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NCO 500 | 73 - 243 | 593 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 120 - 343 | 569 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 203 - 428 | 549 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 273 - 499 | 593 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 350 - 540 | 640 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA TB 500-160 ³⁾ | 111 - 261 | 606 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 210 - 361 | 587 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 293 - 445 | 567 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 365 - 496 | 591 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 444 - 540 | 640 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA TB 500-205 ³⁾ | 183 - 282 | 627 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 282 - 380 | 606 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 364 - 464 | 586 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 438 - 535 | 630 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 518 - 585 | 685 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA TB 500-230 ³⁾ | 202 - 300 | 645 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 302 - 400 | 626 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 386 - 484 | 606 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 458 - 555 | 650 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 537 - 609 | 705 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA TB-LH 500-205 ³⁾ | 209 - 310 | 655 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 309 - 410 | 636 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 393 - 494 | 616 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 464 - 565 | 660 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 544 - 615 | 715 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA TB-LH 500-230 ³⁾ | 229 - 306 | 652 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 329 - 407 | 633 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 413 - 491 | 613 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 485 - 562 | 657 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 564 - 612 | 712 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|----------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA TB 600-275 ³⁾ | 216 – 348 | 694 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 316 – 449 | 675 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 401 – 533 | 655 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 472 – 604 | 699 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 551 – 632 | 732 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA TB-LH 600-275 ³⁾ | 238 – 363 | 709 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 338 – 464 | 690 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 422 – 548 | 670 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 494 – 605 | 700 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 573 – 637 | 737 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NC 630-180 ¹¹⁾ | 130 – 360 | 705 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 229 – 460 | 686 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 313 – 544 | 666 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 384 – 615 | 710 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 463 – 655 | 755 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NCD 630-165 | 74 – 372 | 718 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 135 – 473 | 699 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 218 – 557 | 679 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 – 628 | 723 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 367 – 660 | 760 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NCF 630-180 ¹¹⁾ | 134 – 360 | 705 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 233 – 460 | 686 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 317 – 544 | 666 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 388 – 615 | 710 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 467 – 655 | 755 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NCO 630 | 74 – 383 | 718 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 114 – 483 | 710 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 196 – 568 | 690 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 266 – 630 | 725 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 345 – 666 | 766 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NC 800 ¹¹⁾ | 172 – 502 | 848 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 271 – 603 | 830 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 356 – 687 | 810 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 427 – 758 | 853 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 506 – 800 | 899 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| ROTA NCO 800 | 119 – 555 | 900 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 218 – 655 | 882 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 303 – 739 | 862 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 373 – 800 | 894 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 453 – 800 | 900 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |



Passende Nutensteine finden Sie ab Seite 138.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.

For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCR 1000 ¹⁾ | 182 - 771 | 1117 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 366 - 956 | 1079 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 516 - 1000 | 1099 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |

- 1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-
futter
- 3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter
noch mit M18 ausgeliefert.
- 1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

- 1) *Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck*
- 3) *Please check the mounting holes. Before 2008, the chuck was delivered
with M18 screws.*
- 1) *Please control the slot width and if necessary please use stepped T-
nuts!*



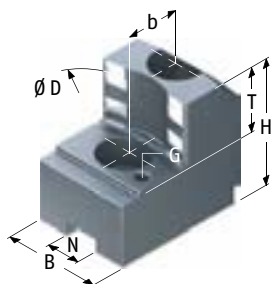
Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NC 165 | 30 - 59 | 180 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 45 - 75 | 180 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 61 - 91 | 180 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 75 - 105 | 180 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 91 - 121 | 180 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NCD 165-46 | 26 - 55 | 175 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 31 - 71 | 175 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 47 - 87 | 175 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 61 - 101 | 175 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 77 - 117 | 175 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NCF 165 | 30 - 59 | 180 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 45 - 75 | 180 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 61 - 91 | 180 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 75 - 105 | 180 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 91 - 121 | 180 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NCK 165 | 27 - 52 | 172 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 41 - 67 | 172 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 - 83 | 172 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 - 97 | 172 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 - 113 | 172 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NCK plus 165-45 | 27 - 64 | 185 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 41 - 80 | 185 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 - 96 | 185 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 - 110 | 185 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 - 126 | 185 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |

Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spann- bereich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCD 185-54 | 26 - 79 | 200 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 37 - 95 | 200 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 53 - 111 | 200 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 67 - 125 | 200 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 83 - 141 | 200 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NCF plus 185-52 | 41 - 77 | 198 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 57 - 93 | 198 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 73 - 109 | 198 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 - 123 | 198 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 102 - 139 | 198 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NC plus 185-52 | 41 - 77 | 198 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 57 - 93 | 198 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 73 - 109 | 198 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 - 123 | 198 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 102 - 139 | 198 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ROTA NC 210 | 33 - 73 | 222 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 60 - 101 | 222 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 91 - 131 | 222 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 121 - 161 | 222 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 142 - 183 | 242 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| ROTA NCF 210 | 33 - 73 | 222 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 60 - 101 | 222 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 91 - 131 | 222 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 121 - 161 | 222 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 142 - 183 | 242 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| ROTA NCK 210 | 36 - 65 | 211 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 63 - 92 | 211 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 94 - 123 | 211 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 124 - 153 | 211 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 145 - 175 | 231 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| ROTA NCK plus 210-52 | 32 - 74 | 221 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 56 - 102 | 221 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 86 - 132 | 221 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 116 - 163 | 221 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 138 - 184 | 241 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| ROTA NCD 215-66 | 30 - 72 | 219 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 50 - 100 | 219 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 80 - 130 | 219 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 110 - 160 | 219 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 131 - 182 | 239 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCF plus 215-66 | 47 - 81 | 228 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 74 - 109 | 228 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 105 - 139 | 228 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 135 - 170 | 228 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 157 - 192 | 248 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| ROTA NC plus 215-66 | 47 - 81 | 228 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 75 - 109 | 228 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 105 - 139 | 228 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 135 - 170 | 228 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 157 - 192 | 248 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| ROTA NC 250 | 40 - 88 | 266 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 81 - 130 | 266 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 125 - 174 | 269 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 170 - 220 | 286 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 205 - 254 | 316 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| ROTA NCF 250 | 40 - 88 | 266 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 81 - 130 | 266 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 125 - 174 | 269 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 170 - 220 | 286 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 205 - 254 | 316 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| ROTA NCK 250 | 42 - 82 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 83 - 124 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 125 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 172 - 214 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 207 - 249 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| ROTA NCK plus 250-75 | 37 - 94 | 272 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 77 - 137 | 272 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 121 - 181 | 276 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 166 - 226 | 292 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 201 - 250 | 313 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| ROTA NCD 255-86 | 37 - 94 | 271 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 71 - 136 | 271 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 114 - 180 | 275 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 159 - 226 | 291 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 194 - 255 | 317 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| ROTA NCF plus 260-86 | 51 - 102 | 280 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 92 - 145 | 280 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 136 - 189 | 284 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 182 - 235 | 301 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 217 - 260 | 323 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |



Passende Nutensteine finden Sie ab Seite 138.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.

For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NC plus 260-86 | 51 - 102 | 280 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 92 - 145 | 280 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 136 - 189 | 284 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 182 - 235 | 301 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 217 - 260 | 323 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| ROTA NC 315 | 51 - 133 | 345 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 111 - 193 | 359 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 177 - 260 | 351 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 241 - 315 | 386 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| ROTA NCD 315-115 | 48 - 133 | 344 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 108 - 192 | 358 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 174 - 260 | 349 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 238 - 315 | 385 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| ROTA NCF 315 | 51 - 133 | 345 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 111 - 193 | 359 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 177 - 260 | 351 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 241 - 315 | 386 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| ROTA NCF plus 315-104 | 59 - 135 | 346 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 119 - 195 | 360 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 185 - 262 | 351 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 249 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| ROTA NCK 315 | 47 - 111 | 322 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 107 - 171 | 336 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 173 - 238 | 327 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 237 - 302 | 371 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| ROTA NCK plus 315-91 | 44 - 122 | 334 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 104 - 182 | 348 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 170 - 249 | 339 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 234 - 304 | 373 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| ROTA NC plus 315-104 | 59 - 135 | 346 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 119 - 195 | 360 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 185 - 262 | 351 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 249 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| ROTA NC 400-120 | 46 - 141 | 424 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 102 - 198 | 429 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 161 - 258 | 429 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 222 - 320 | 450 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 282 - 380 | 467 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 342 - 400 | 478 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SCHUNK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

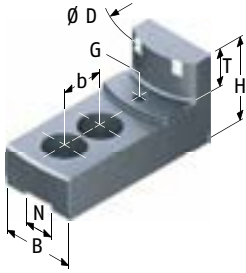
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCF 400-120 | 46 - 141 | 424 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 102 - 198 | 429 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 161 - 258 | 429 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 222 - 320 | 450 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 282 - 380 | 467 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 342 - 400 | 478 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |

 Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| ROTA NCD 160 | 49 - 75 | 171 | SZI 16-15 | 0123157 | 12 | 30 | 40 | 15 | M5 | 15 | M6 | 1 |
| | 69 - 104 | 171 | SZI 16-16 | 0123158 | 12 | 30 | 40 | 15 | M5 | 15 | M6 | 1 |
| | 99 - 134 | 177 | SZI 16-17 | 0123159 | 12 | 30 | 40 | 15 | M5 | 15 | M6 | 0.7 |
| ROTA TP 160-38 | 47 - 73 | 182 | SZI 17-1 | 0123140 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.4 |
| | 61 - 91 | 182 | SZI 17-2 | 0123141 | 14 | 40 | 47 | 20 | M6 | 20 | M10 | 1.5 |
| | 83 - 113 | 192 | SZI 17-3 | 0123142 | 14 | 40 | 47 | 20 | M6 | 20 | M10 | 1.6 |
| | 103 - 133 | 192 | SZI 17-4 | 0123143 | 14 | 40 | 47 | 20 | M6 | 20 | M10 | 1.5 |
| ROTA NC 165 | 53 - 77 | 172 | SZI 16-18 | 0123190 | 17 | 35 | 50 | 20 | M6 | 19 | M12 | 1.3 |
| | 66 - 89 | 172 | SZI 16-19 | 0123191 | 17 | 40 | 50 | 20 | M6 | 19 | M12 | 1.6 |
| | 86 - 109 | 172 | SZI 16-20 | 0123192 | 17 | 40 | 50 | 20 | M6 | 19 | M12 | 1.5 |
| ROTA NCD 165-46 | 49 - 77 | 174 | SZI 16-15 | 0123157 | 12 | 30 | 40 | 15 | M5 | 15 | M6 | 1 |
| | 77 - 107 | 174 | SZI 16-16 | 0123158 | 12 | 30 | 40 | 15 | M5 | 15 | M6 | 1 |
| | 106 - 134 | 177 | SZI 16-17 | 0123159 | 12 | 30 | 40 | 15 | M5 | 15 | M6 | 0.7 |
| ROTA NCF 165 | 53 - 77 | 172 | SZI 16-18 | 0123190 | 17 | 35 | 50 | 20 | M6 | 19 | M12 | 1.3 |
| | 66 - 89 | 172 | SZI 16-19 | 0123191 | 17 | 40 | 50 | 20 | M6 | 19 | M12 | 1.6 |
| | 86 - 109 | 172 | SZI 16-20 | 0123192 | 17 | 40 | 50 | 20 | M6 | 19 | M12 | 1.5 |
| ROTA NCO 165 | 57 - 86 | 182 | SZI 16-18 | 0123190 | 17 | 35 | 50 | 20 | M6 | 19 | M12 | 1.3 |
| | 70 - 98 | 182 | SZI 16-19 | 0123191 | 17 | 40 | 50 | 20 | M6 | 19 | M12 | 1.6 |
| | 90 - 118 | 181 | SZI 16-20 | 0123192 | 17 | 40 | 50 | 20 | M6 | 19 | M12 | 1.5 |
| | 110 - 139 | 181 | SZI 16-21 | 0123193 | 17 | 40 | 50 | 20 | M6 | 19 | M12 | 1.5 |
| ROTA NCD 185-54 | 58 - 82 | 194 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 110 | 194 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 92 - 141 | 194 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NCF plus 185-52 | 52 - 88 | 198 | SZI 17-1 | 0123140 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.4 |
| | 69 - 106 | 197 | SZI 17-2 | 0123141 | 14 | 40 | 47 | 20 | M6 | 20 | M10 | 1.5 |
| | 91 - 128 | 207 | SZI 17-3 | 0123142 | 14 | 40 | 47 | 20 | M6 | 20 | M10 | 1.6 |
| | 111 - 148 | 207 | SZI 17-4 | 0123143 | 14 | 40 | 47 | 20 | M6 | 20 | M10 | 1.5 |

Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA TP 200-52 | 67 - 111 | 224 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 95 - 139 | 224 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 126 - 171 | 224 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NC 210 | 60 - 112 | 225 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 80 - 140 | 225 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 119 - 171 | 225 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NCD 210 | 58 - 110 | 223 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 139 | 224 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 108 - 170 | 224 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NCF 210 | 60 - 112 | 225 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 80 - 140 | 225 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 119 - 171 | 225 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NCK plus 210-52 | 58 - 105 | 218 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 133 | 218 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 164 | 218 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NCO 210 | 60 - 117 | 230 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 89 - 145 | 230 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 120 - 176 | 230 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NCD 215-66 | 58 - 105 | 218 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 133 | 218 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 165 | 218 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NCF plus 215-66 | 74 - 114 | 227 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 102 - 142 | 227 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 133 - 174 | 227 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NC plus 215-66 | 74 - 114 | 227 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 102 - 142 | 227 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 133 - 174 | 227 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| ROTA NC 250 | 78 - 126 | 272 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 114 - 167 | 273 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 159 - 213 | 273 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NCD 250 | 78 - 128 | 274 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 108 - 169 | 276 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 153 - 215 | 276 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NCF 250 | 78 - 126 | 272 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 114 - 167 | 273 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 159 - 213 | 273 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NCK plus 250-75 | 70 - 145 | 283 | SZI 25-17 | 0123180 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.9 |
| | 95 - 169 | 269 | SZI 25-18 | 0123181 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.2 |
| | 158 - 234 | 279 | SZI 25-19 | 0123182 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2 |



Passende Nutensteine finden Sie ab Seite 138.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.

For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA TP 250-68 | 82 - 136 | 282 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 122 - 177 | 284 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 168 - 223 | 284 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NCD 255-86 | 78 - 126 | 271 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 108 - 167 | 273 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 153 - 213 | 273 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NCF plus 260-86 | 90 - 133 | 279 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 131 - 175 | 281 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 176 - 221 | 281 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NCO 260 | 79 - 142 | 288 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 120 - 184 | 290 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 165 - 230 | 290 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NC plus 260-86 | 90 - 133 | 279 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 131 - 175 | 281 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 176 - 221 | 281 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| ROTA NC 315 | 78 - 156 | 342 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 209 | 334 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 197 - 284 | 334 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCD 315-115 | 78 - 156 | 342 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 210 | 334 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 179 - 284 | 334 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCF 315 | 78 - 156 | 342 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 209 | 334 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 197 - 284 | 334 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCF plus 315-104 | 82 - 157 | 343 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 134 - 211 | 335 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 208 - 285 | 335 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCK plus 315-91 | 78 - 145 | 331 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 198 | 323 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 190 - 273 | 323 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCO 315 | 78 - 168 | 355 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 127 - 222 | 347 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 183 - 297 | 347 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NC plus 315-104 | 82 - 157 | 343 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 134 - 211 | 335 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 208 - 285 | 335 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA TP 315-105 | 96 - 185 | 371 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 149 - 239 | 363 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 223 - 313 | 363 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA TP 315-90 | 78 - 168 | 354 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 222 | 346 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 199 - 296 | 346 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA TP 350-115 | 106 - 196 | 383 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 159 - 250 | 375 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 233 - 325 | 375 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA TP-LH 350-115 | 115 - 198 | 384 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 168 - 252 | 376 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 242 - 326 | 376 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCR 400 ¹⁾ | 134 - 249 | 436 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 181 - 303 | 428 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 235 - 377 | 428 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA EP 500-260 | 270 - 308 | 496 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 324 - 363 | 488 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 399 - 437 | 488 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCR 500 ¹⁾ | 134 - 348 | 536 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 181 - 402 | 528 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 235 - 477 | 528 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCR 630 ¹⁾ | 180 - 478 | 666 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 234 - 532 | 658 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 308 - 607 | 658 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| ROTA NCR 800 ¹⁾ | 180 - 645 | 834 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 234 - 670 | 826 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 308 - 775 | 826 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-
futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck



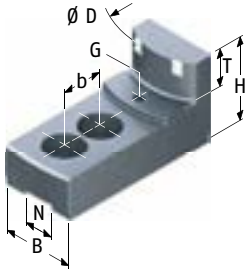
Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|-------------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| ROTA EP 380-127 ³⁾ | 127 - 159 | 423 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 209 - 241 | 415 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 287 - 320 | 415 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 350 - 383 | 423 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NC 400-120 | 98 - 195 | 422 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 176 - 275 | 450 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 254 - 355 | 450 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 317 - 418 | 458 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCD 400-165 | 98 - 196 | 422 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 167 - 275 | 450 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 - 355 | 450 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 - 418 | 458 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCF 400-120 | 98 - 195 | 422 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 176 - 275 | 450 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 254 - 355 | 450 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 317 - 418 | 458 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCO 400 | 101 - 218 | 445 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 151 - 297 | 473 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 220 - 377 | 473 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 283 - 440 | 481 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA TB 400-115 ³⁾ | 122 - 205 | 472 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 192 - 288 | 463 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 270 - 368 | 464 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 333 - 421 | 461 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA TB 400-140 ³⁾ | 132 – 225 | 492 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 211 – 308 | 484 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 289 – 388 | 484 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 353 – 441 | 481 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA EP 460-165 ³⁾ | 189 – 207 | 473 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 271 – 290 | 465 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 350 – 369 | 465 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 414 – 433 | 473 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA EP 460-185 ³⁾ | 189 – 227 | 493 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 271 – 310 | 485 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 350 – 389 | 485 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 414 – 453 | 493 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA TB 470-185 ³⁾ | 179 – 279 | 546 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 261 – 362 | 538 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 341 – 442 | 538 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| ROTA NC 500-160 | 152 – 287 | 554 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 234 – 370 | 546 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 312 – 450 | 546 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 376 – 514 | 554 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCD 500-165 | 122 – 291 | 558 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 167 – 375 | 550 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 – 454 | 550 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 – 518 | 558 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCF 500-160 | 152 – 287 | 554 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 234 – 370 | 546 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 312 – 450 | 546 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 376 – 514 | 554 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCO 500 | 125 – 291 | 558 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 153 – 375 | 550 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 229 – 454 | 550 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 292 – 518 | 558 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA TB 500-160 ³⁾ | 159 – 303 | 570 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 241 – 386 | 562 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 348 – 465 | 561 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| ROTA TB 500-205 ³⁾ | 231 – 328 | 596 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 314 – 411 | 587 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 393 – 491 | 587 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| ROTA TB 500-230 ³⁾ | 251 – 348 | 610 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 334 – 427 | 607 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 414 – 506 | 607 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |



Passende Nutensteine finden Sie ab Seite 138.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.

For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| ROTA TB 600-275 ³⁾ | 265 – 397 | 664 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 348 – 480 | 656 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 427 – 560 | 656 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| ROTA NC 630-180 ¹⁾ | 178 – 407 | 675 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 260 – 491 | 667 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 340 – 571 | 667 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 406 – 630 | 671 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCD 630-165 | 122 – 413 | 681 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 237 – 497 | 673 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 314 – 577 | 673 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 357 – 630 | 671 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCF 630-180 ¹⁾ | 178 – 407 | 675 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 260 – 491 | 667 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 340 – 571 | 667 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 406 – 630 | 671 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCO 630 | 126 – 419 | 687 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 222 – 503 | 675 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 291 – 582 | 679 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 336 – 640 | 681 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NC 800 ¹⁾ | 220 – 551 | 819 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 302 – 635 | 811 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 382 – 714 | 811 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 445 – 778 | 819 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCO 800 | 167 – 601 | 870 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 300 – 685 | 862 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 378 – 756 | 862 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 436 – 820 | 861 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| ROTA NCR 1000 ¹⁾ | 230 – 808 | 1076 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 490 – 1026 | 1067 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |

- 1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-
futter
- 3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter
noch mit M18 ausgeliefert.
- 11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutzensteine verwenden.

- 1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck
- 3) Please check the mounting holes. Before 2008, the chuck was delivered
with M18 screws.
- 11) Please control the slot width and if necessary please use stepped T-
nuts!



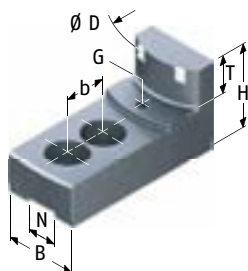
Passende Nutzensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NC 210 | 57 - 92 | 227 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 80 - 122 | 227 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 110 - 152 | 223 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 140 - 182 | 233 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| ROTA NCF 210 | 57 - 92 | 227 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 78 - 122 | 227 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 108 - 152 | 223 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 140 - 182 | 233 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| ROTA NCK 210 | 57 - 80 | 214 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 78 - 110 | 214 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 108 - 140 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 138 - 170 | 220 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| ROTA NCK plus 210-52 | 57 - 87 | 222 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 71 - 117 | 221 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 101 - 147 | 217 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 131 - 177 | 228 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| ROTA NCD 215-66 | 57 - 87 | 222 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 117 | 221 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 97 - 147 | 217 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 126 - 177 | 228 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| ROTA NCF plus 215-66 | 62 - 96 | 231 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 92 - 126 | 230 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 122 - 156 | 216 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 152 - 186 | 237 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |



Passende Nutensteine finden Sie ab Seite 138.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 138.

For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NC plus 215-66 | 63 - 96 | 231 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 92 - 126 | 230 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 122 - 156 | 216 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 152 - 186 | 237 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| ROTA NC 250 | 60 - 110 | 272 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 97 - 150 | 272 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 133 - 187 | 267 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 167 - 222 | 278 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| ROTA NCF 250 | 60 - 110 | 272 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 97 - 150 | 272 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 133 - 187 | 267 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 167 - 222 | 278 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| ROTA NCK 250 | 60 - 99 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 98 - 140 | 262 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 135 - 177 | 256 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 167 - 211 | 266 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| ROTA NCK plus 250-75 | 60 - 110 | 272 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 95 - 150 | 272 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 131 - 188 | 268 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 165 - 222 | 278 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| ROTA NCD 255-86 | 60 - 111 | 273 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 151 | 273 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 124 - 189 | 269 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 158 - 223 | 279 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| ROTA NCF plus 260-86 | 68 - 119 | 281 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 108 - 159 | 281 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 145 - 197 | 277 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 179 - 231 | 287 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| ROTA NC plus 260-86 | 68 - 119 | 281 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 108 - 159 | 281 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 145 - 197 | 277 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 179 - 231 | 287 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| ROTA NC 315 | 80 - 161 | 338 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 140 - 223 | 344 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 204 - 287 | 328 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 256 - 325 | 365 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| ROTA NCD 315-115 | 78 - 161 | 337 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 137 - 222 | 344 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 201 - 287 | 327 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 253 - 325 | 365 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| ROTA NCF 315 | 80 - 161 | 338 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 140 - 223 | 344 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 204 - 287 | 328 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 256 - 325 | 365 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| ROTA NCF plus 315-104 | 88 - 163 | 339 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 148 - 225 | 346 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 212 - 288 | 329 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 264 - 325 | 365 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| ROTA NCK 315 | 78 - 139 | 315 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 136 - 201 | 322 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 200 - 265 | 305 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 252 - 315 | 355 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| ROTA NCK plus 315-91 | 81 - 151 | 327 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 141 - 212 | 334 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 204 - 276 | 317 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 256 - 315 | 355 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| ROTA NC plus 315-104 | 88 - 163 | 339 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 148 - 224 | 346 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 212 - 288 | 329 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 264 - 325 | 365 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| ROTA NC 400-120 | 101 - 196 | 420 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 155 - 252 | 425 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 210 - 307 | 420 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 279 - 379 | 430 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 339 - 438 | 480 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| ROTA NCF 400-120 | 101 - 196 | 420 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 155 - 252 | 425 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 210 - 307 | 420 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 279 - 379 | 430 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 339 - 438 | 480 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |



Passende Nutensteine finden Sie ab Seite 138.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



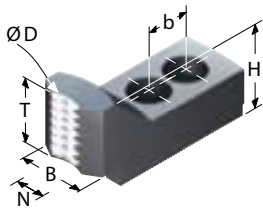
For suitable T-nuts see page 138.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NCD 160 | 12 - 32 | 172 | SZA-ST 16-4 | 0175112 | 12 | 32 | 40 | 30 | 15 | M8 | 1.1 |
| ROTA TP 160-38 | 15 - 41 | 183 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| ROTA NC 165 | 15 - 43 | 182 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| ROTA NCD 165-46 | 12 - 38 | 178 | SZA-ST 16-4 | 0175112 | 12 | 32 | 40 | 30 | 15 | M8 | 1.1 |
| ROTA NCF 165 | 15 - 43 | 182 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| ROTA NCK plus 165-45 | 12 - 43 | 185 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| ROTA NCO 165 | 20 - 48 | 187 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| ROTA NCD 185-54 | 12 - 60 | 199 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| | 12 - 34 | 196 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NCF plus 185-52 | 20 - 52 | 195 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| ROTA NC plus 185-52 | 20 - 52 | 195 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| ROTA TP 200-52 | 19 - 61 | 223 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NC 210 | 12 - 57 | 220 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NCD 210 | 12 - 60 | 223 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NCF 210 | 12 - 57 | 220 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NCK plus 210-52 | 12 - 55 | 217 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NCO 210 | 13 - 67 | 219 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NCD 215-66 | 12 - 56 | 219 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NCF plus 215-66 | 26 - 66 | 228 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NC plus 215-66 | 26 - 66 | 228 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| ROTA NC 250 | 16 - 64 | 265 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| ROTA NCD 250 | 16 - 68 | 269 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| ROTA NCF 250 | 16 - 64 | 265 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| ROTA NCK plus 250-75 | 20 - 90 | 276 | SZA-ST 25-1 | 0175102 | 17 | 35 | 45 | 35 | 22 | M12 | 1.8 |
| ROTA TP 250-68 | 24 - 78 | 279 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| ROTA NCD 255-86 | 16 - 68 | 269 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| ROTA NCF plus 260-86 | 31 - 75 | 276 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NCO 260 | 21 - 84 | 285 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| ROTA NC plus 260-86 | 31 - 75 | 276 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| ROTA NC 315 | 24 - 92 | 333 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA NCD 315-115 | 24 - 96 | 337 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA NCF 315 | 24 - 92 | 333 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA NCF plus 315-104 | 24 - 98 | 338 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA NCK plus 315-91 | 24 - 85 | 326 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA NCO 315 | 24 - 109 | 350 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA NC plus 315-104 | 24 - 98 | 338 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA TP 315-105 | 36 - 125 | 366 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA TP 315-90 | 24 - 108 | 349 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA TP 350-115 | 46 - 137 | 378 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| ROTA TP-LH 350-115 | 55 - 138 | 379 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |



Passende Nutensteine finden Sie ab Seite 138.



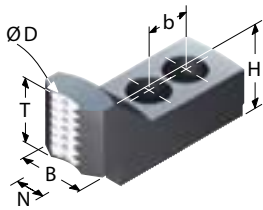
For suitable T-nuts see page 138.

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|----------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA EP 380-127 ³⁾ | 47 - 78 | 414 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NC 400-120 | 34 - 112 | 449 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCD 400-165 | 34 - 112 | 449 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCF 400-120 | 34 - 112 | 449 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCO 400 | 34 - 126 | 463 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB 400-115 ³⁾ | 34 - 127 | 464 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB 400-140 ³⁾ | 47 - 147 | 484 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB-LH 400-140 ³⁾ | 81 - 147 | 484 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA EP 460-165 ³⁾ | 108 - 162 | 500 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA EP 460-185 ³⁾ | 108 - 171 | 510 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB 470-185 ³⁾ | 98 - 198 | 537 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB-LH 470-185 ³⁾ | 102 - 189 | 528 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NC 500-160 | 71 - 206 | 545 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCD 500-165 | 34 - 211 | 550 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCF 500-160 | 71 - 206 | 545 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCO 500 | 40 - 211 | 550 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|----------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA TB 500-160 ³⁾ | 83 - 221 | 560 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB 500-205 ³⁾ | 150 - 266 | 585 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB 500-230 ³⁾ | 170 - 266 | 605 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB-LH 500-205 ³⁾ | 169 - 280 | 619 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB-LH 500-230 ³⁾ | 196 - 277 | 616 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB 600-275 ³⁾ | 184 - 304 | 643 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA TB-LH 600-275 ³⁾ | 206 - 309 | 648 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCD 630-165 | 34 - 332 | 671 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| ROTA NCF 630-180 ¹¹⁾ | 101 - 215 | 654 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |

3) Bitte prüfen Sie die Befestigungsbohrungen. Vor 2008 wurden die Futter noch mit M18 ausgeliefert.

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

3) *Please check the mounting holes. Before 2008, the chuck was delivered with M18 screws.*

11) *Please control the slot width and if necessary please use stepped T-nuts!*



Passende Nutensteine finden Sie ab Seite 138.



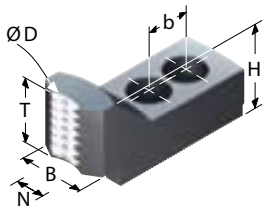
For suitable T-nuts see page 138.

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NC 165 | 12 - 39 | 177 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NCD 165-46 | 12 - 37 | 175 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NCF 165 | 12 - 39 | 177 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NCK 165 | 12 - 33 | 172 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NCK plus 165-45 | 12 - 45 | 184 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NCD 185-54 | 15 - 61 | 200 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NCF plus 185-52 | 23 - 59 | 198 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NC plus 185-52 | 23 - 59 | 198 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ROTA NC 210 | 15 - 50 | 233 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ROTA NCF 210 | 15 - 50 | 223 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ROTA NCK 210 | 16 - 43 | 215 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ROTA NCK plus 210-52 | 15 - 52 | 225 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ROTA NCD 215-66 | 16 - 50 | 223 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ROTA NCF plus 215-66 | 26 - 59 | 232 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ROTA NC plus 215-66 | 26 - 59 | 232 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ROTA NC 250 | 19 - 68 | 267 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| ROTA NCF 250 | 19 - 68 | 267 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| ROTA NCK 250 | 20 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| ROTA NCK plus 250-75 | 18 - 73 | 272 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| ROTA NCD 255-86 | 18 - 73 | 272 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| ROTA NCF plus 260-86 | 29 - 81 | 280 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| ROTA NC plus 260-86 | 29 - 81 | 280 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| ROTA NC 315 | 25 - 106 | 329 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| ROTA NCD 315-115 | 23 - 105 | 328 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| ROTA NCF 315 | 25 - 106 | 329 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| ROTA NCF plus 315-104 | 32 - 108 | 330 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

SCHUNK

Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NCK 315 | 22 - 84 | 306 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| ROTA NCK plus 315-91 | 25 - 94 | 317 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| ROTA NC plus 315-104 | 32 - 108 | 330 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |



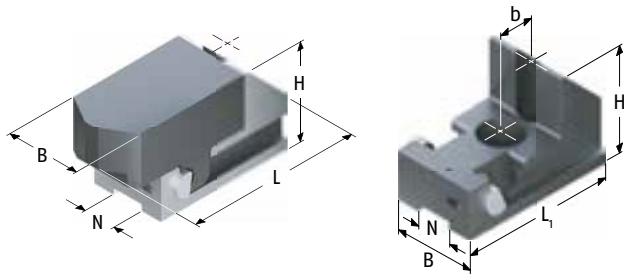
Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 1/16" x 90°

- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- Max. Spannbereich durch Versetzen der Trägerbacke möglich

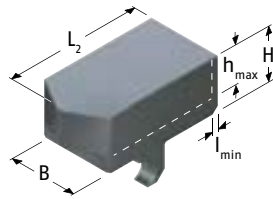


Schnellwechselbacke, komplett
Quick Change Jaw, complete

Ausführung 2 | Version 2

Fine serration 1/16" x 90°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- Max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW
Soft insert BWW

| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Trägerbacke Support jaw | ID | Wechselbacke Soft insert | ID | Spannkraft Clamping force [kN] |
|---|--|--|----------------------------|---------|-----------------------------|---------|--------------------------------------|
| ROTA NCD 160 ROTA NC 165 ROTA NCF 165 | 10 - 125 | 184 | BWT 160 | 0105200 | BWW 160 | 0105305 | 70 |
| ROTA NCD 185-54 ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCO 210 ROTA NCF plus 215-66 ROTA NC plus 215-66 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA TP 250-68 ROTA NCF plus 260-86 ROTA NCO 260 ROTA NC plus 260-86 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| ROTA NC 315 ROTA NCD 315-115 ROTA NCF 315 ROTA NCF plus 315-104 ROTA NCO 315 ROTA NC plus 315-104 ROTA TP 315-105 ROTA TP 315-90 | 35 - 244 | 336 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |

* Gewichtsangabe für Trägerbacke und Wechselbacke

* Indicated weight for support jaw and change jaw

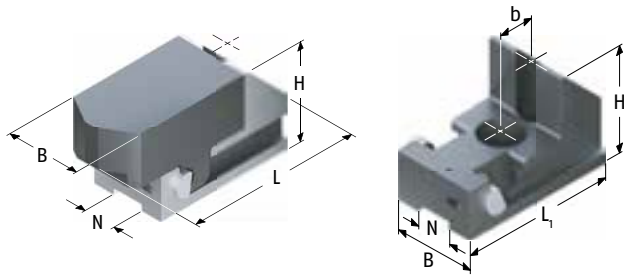
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg]* |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|--------------------------|
| 17 | 35 | 50 | 25.7 | 89 | 78 | 65 | 17 | 6 | 22 | M12 | 2.2 |
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 4.0 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |

Spitzverzahnung 1,5 mm x 60°

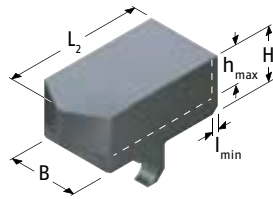
- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- Max. Spannbereich durch Versetzen der Trägerbacke möglich



Schnellwechselbacke, komplett
Quick Change Jaw, complete

Fine serration 1,5 mm x 60°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- Max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW
Soft insert BWW

| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Trägerbacke Support jaw | ID | Wechselbacke Soft insert | ID | Spannkraft Clamping force [kN] |
|--|--|--|----------------------------|---------|-----------------------------|---------|--------------------------------------|
| ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCK 210 ROTA NCK plus 210-52 ROTA NCF plus 215-66 ROTA NC plus 215-66 | 8 - 140 | 218 | BWTJ-K-210-14 | 0105210 | BWW 200 | 0105306 | 90 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250-75 ROTA NCF plus 260-86 ROTA NC plus 260-86 | 15 - 180 | 258 | BWTJ-K-250-16 | 0105211 | BWW 200 | 0105306 | 90 |
| ROTA NC 315 ROTA NCF 315 | 30 - 224 | 312 | BWTJ-K-305-18 | 0105212 | BWW 250 | 0105307 | 120 |
| ROTA NCF plus 315-104 ROTA NCK 315 ROTA NCK plus 315-91 ROTA NC plus 315-104 | 25 - 222 | 310 | BWTJ-K-305-21 | 0105213 | BWW 250 | 0105307 | 120 |

* Gewichtsangabe für Trägerbacke und Wechselbacke

* Indicated weight for support jaw and change jaw

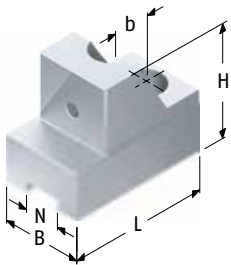
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

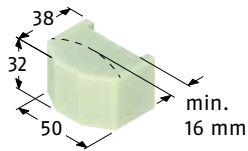
| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg]* |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|--------------------------|
| 14 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 25 | M12 | 4.0 |
| 16 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 30 | M12 | 4.0 |
| 18 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M14 | 7.4 |
| 21 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M16 | 7.45 |

Spitzverzahnung 1/16" x 90°

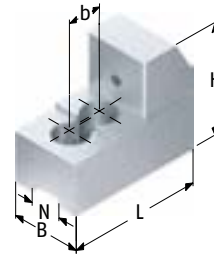
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung



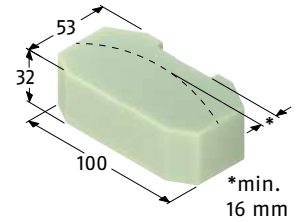
TRQ ...-1



QUENTES 10



TRQ ...-2



QUENTES 20

Fine serration 1/16" x 90°

- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 – 0.4
- Gentle clamping

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|---|-----------------------------------|--------------------|---|--------------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA NC 165 ROTA NCF 165 ROTA NCO 165 ROTA NCD 185-54 | 60 - 136 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | M12 | 0.93 |
| ROTA TP 200-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 210 ROTA NCO 210 | 20 - 75 90 - 179 | TRQ 200-1 TRQ 200-2 | 0150001 0150002 | QUENTES 10 QUENTES 20 | 0150100 0150200 | 17 | 40 | 55 64 | 70 79 | M12 | 0.66 0.93 |
| ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA TP 250-68 ROTA NCO 260 | 27 - 87 139 - 231 | TRQ 250-1 TRQ 250-2 | 0150003 0150004 | QUENTES 10 QUENTES 20 | 0150100 0150200 | 21 | 45 | 57 67 | 93 94 | M16 | 0.97 1.24 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

SCHUNK

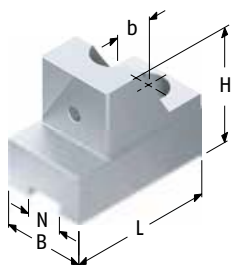
QUENTES Kunststoffbacken Aluminium | QUENTES Fiberglass Jaws Aluminium

Spitzverzahnung 1,5 mm x 60°

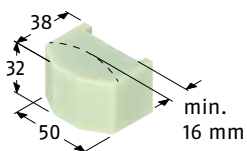
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 - 0,4
- Schonende Spannung

Fine serration 1,5 mm x 60°

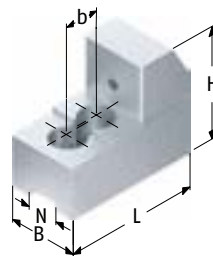
- Support Jaw made from high tensile aluminum
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 - 0.4
- Gentle clamping



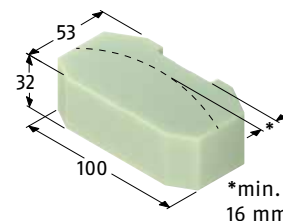
TRQ ...-1



QUENTES 10



TRQ ...-2



QUENTES 20

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Bezeichnung Description | ID | Spanneinsatz ID Clamping insert | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|--|----------------------------|---------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NCD 160 ROTA NC 165 ROTA NCD 165-46 ROTA NCF 165 ROTA NCK 165 ROTA NCK plus 165-45 ROTA NCD 185-54 | 20 - 41 | TRQJ 160-1 | 0150022 | QUENTES 10 0150100 | 12 | 40 | 55 | 65 | 20 | M10 | 0.6 |
| ROTA NCK 210 | 20 - 56 | TRQJ 200-1 | 0150005 | QUENTES 10 0150100 | 14 | 40 | 55 | 76 | 25 | M12 | 0.77 |
| ROTA NCK plus 210-52 | 83 - 170 | TRQJ 200-2 | 0150006 | QUENTES 20 0150200 | 14 | 40 | 64 | 82 | 25 | M12 | 1 |
| ROTA NCK 250 | 21 - 86 | TRQJ 250-1 | 0150007 | QUENTES 10 0150100 | 16 | 40 | 58 | 85 | 30 | M12 | 0.87 |
| ROTA NCK plus 250-75 | 127 - 216 | TRQJ 250-2 | 0150008 | QUENTES 20 0150200 | 16 | 40 | 67 | 92 | 30 | M12 | 1.15 |



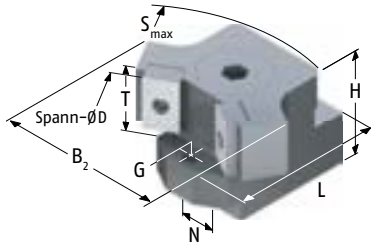
Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Spitzverzahnung 1/16" x 90°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 1/16" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

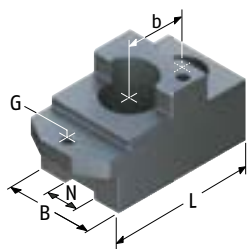
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|-----------------------------|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| ROTA NC 210 ROTA NCF 210 | 67 - 86 | 217 | PNS-Z 200-1 | 0190138 | PT 17-3 | 0191108 | PB 200-1 | 0192126 |
| | 72 - 94 | 224 | PNS-Z 200-2 | 0190139 | PT 17-3 | 0191108 | PB 200-2 | 0192127 |
| | 97 - 123 | 246 | PNS-Z 200-3 | 0190140 | PT 17-4 | 0191109 | PB 200-3 | 0192128 |
| | 127 - 153 | 246 | PNS-Z 200-4 | 0190141 | PT 17-4 | 0191109 | PB 200-4 | 0192129 |
| ROTA NCD 210 | 54 - 86 | 217 | PNS-Z 200-1 | 0190138 | PT 17-3 | 0191108 | PB 200-1 | 0192126 |
| | 72 - 89 | 219 | PNS-Z 200-2 | 0190139 | PT 17-3 | 0191108 | PB 200-2 | 0192127 |
| | 85 - 118 | 240 | PNS-Z 200-3 | 0190140 | PT 17-4 | 0191109 | PB 200-3 | 0192128 |
| | 115 - 148 | 240 | PNS-Z 200-4 | 0190141 | PT 17-4 | 0191109 | PB 200-4 | 0192129 |
| ROTA NC 250 ROTA NCF 250 | 69 - 91 | 256 | PNS-Z 250-21-1 | 0190105 | PT 21-1 | 0191102 | PB 250-1 | 0192100 |
| | 75 - 109 | 269 | PNS-Z 250-21-2 | 0190106 | PT 21-1 | 0191102 | PB 250-2 | 0192101 |
| | 95 - 113 | 269 | PNS-Z 250-21-3 | 0190107 | PT 21-1 | 0191102 | PB 250-3 | 0192102 |
| | 131 - 165 | 288 | PNS-Z 250-21-4 | 0190108 | PT 21-2 | 0191103 | PB 250-4 | 0192103 |
| | 140 - 174 | 288 | PNS-Z 250-21-5 | 0190109 | PT 21-2 | 0191103 | PB 250-5 | 0192104 |
| ROTA NCD 250 | 63 - 91 | 256 | PNS-Z 250-21-1 | 0190105 | PT 21-1 | 0191102 | PB 250-1 | 0192100 |
| | 74 - 105 | 265 | PNS-Z 250-21-2 | 0190106 | PT 21-1 | 0191102 | PB 250-2 | 0192101 |
| | 95 - 109 | 265 | PNS-Z 250-21-3 | 0190107 | PT 21-1 | 0191102 | PB 250-3 | 0192102 |
| | 125 - 161 | 284 | PNS-Z 250-21-4 | 0190108 | PT 21-2 | 0191103 | PB 250-4 | 0192103 |
| | 134 - 170 | 284 | PNS-Z 250-21-5 | 0190109 | PT 21-2 | 0191103 | PB 250-5 | 0192104 |
| ROTA NC 315 ROTA NCF 315 | 83 - 112 | 291 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 105 - 159 | 329 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 160 - 215 | 339 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 166 - 228 | 349 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |
| ROTA NCD 315-115 | 81 - 112 | 291 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 105 - 166 | 337 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 158 - 215 | 339 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 164 - 235 | 357 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |



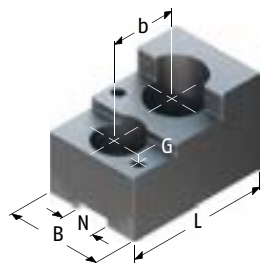
Passende Nutensteine finden Sie ab Seite 138.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



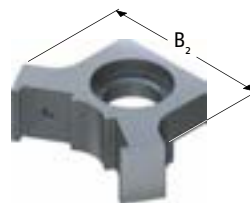
For suitable T-nuts see page 138.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



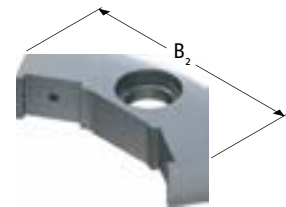
PT ...-1



PT ...-2 - 4



PB ...-1

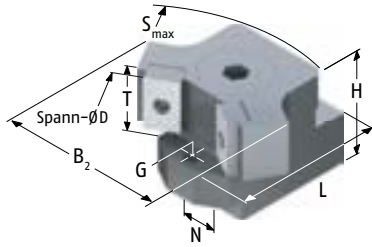


PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 200-1 | 0194140 | 17 | 40 | 80 | 56 | 74 | 30 | M6 | 30 | M12 | 1.2 |
| SP 200-3 | 0194142 | 17 | 40 | 100 | 56 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-5 | 0194144 | 17 | 40 | 102 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.4 |
| SP 200-5 | 0194144 | 17 | 40 | 130 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-1 | 0194140 | 17 | 40 | 80 | 56 | 74 | 30 | M6 | 30 | M12 | 1.2 |
| SP 200-3 | 0194142 | 17 | 40 | 100 | 56 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-5 | 0194144 | 17 | 40 | 102 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.4 |
| SP 200-5 | 0194144 | 17 | 40 | 130 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |

Spitzverzahnung 3/32" x 90°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 3/32" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

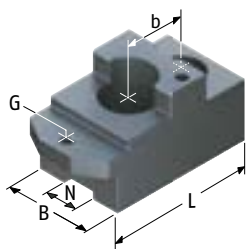
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|-------------------------------------|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| ROTA NC 400-120 ROTA NCF 400-120 | 127 - 196 | 421 | PNS-Z 400-1 | 0190115 | PT 25-1 | 0191104 | PB 400-1 | 0192110 |
| | 192 - 256 | 447 | PNS-Z 400-2 | 0190116 | PT 25-2 | 0191105 | PB 400-2 | 0192111 |
| | 235 - 289 | 447 | PNS-Z 400-3 | 0190117 | PT 25-2 | 0191105 | PB 400-3 | 0192112 |
| | 292 - 361 | 543 | PNS-Z 400-4 | 0190118 | PT 25-3 | 0191106 | PB 400-4 | 0192113 |
| ROTA NCD 400-165 | 119 - 194 | 418 | PNS-Z 400-1 | 0190115 | PT 25-1 | 0191104 | PB 400-1 | 0192110 |
| | 182 - 254 | 445 | PNS-Z 400-2 | 0190116 | PT 25-2 | 0191105 | PB 400-2 | 0192111 |
| | 235 - 284 | 445 | PNS-Z 400-3 | 0190117 | PT 25-2 | 0191105 | PB 400-3 | 0192112 |
| | 282 - 359 | 541 | PNS-Z 400-4 | 0190118 | PT 25-3 | 0191106 | PB 400-4 | 0192113 |



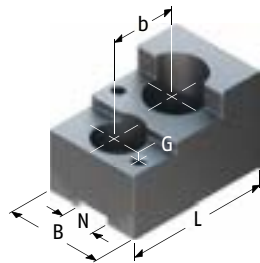
Passende Nutensteine finden Sie ab Seite 138.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



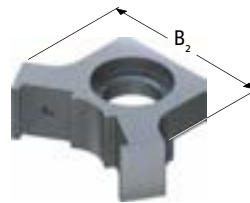
For suitable T-nuts see page 138.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



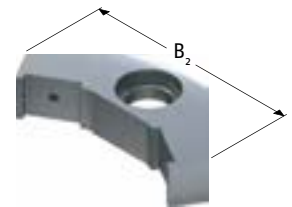
PT ...-1



PT ...-2 - 4



PB ...-1

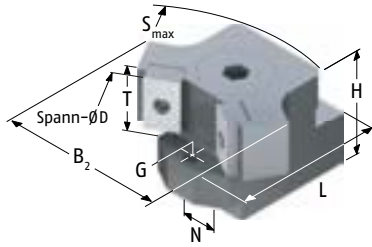


PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|------|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 400-2 | 0194109 | 25.5 | 65 | 150 | 85 | 138 | 45 | M8 | 45 | M20 | 4.7 |
| SP 400-4 | 0194111 | 25.5 | 65 | 205 | 85 | 110 | 45 | M8 | 48 | M20 | 6 |
| SP 400-4 | 0194111 | 25.5 | 65 | 240 | 85 | 110 | 45 | M8 | 48 | M20 | 6.2 |
| SP 400-4 | 0194111 | 25.5 | 70 | 250 | 90 | 150 | 45 | M8 | 45 | M20 | 7.8 |
| SP 400-2 | 0194109 | 25.5 | 65 | 150 | 85 | 138 | 45 | M8 | 45 | M20 | 4.7 |
| SP 400-4 | 0194111 | 25.5 | 65 | 205 | 85 | 110 | 45 | M8 | 48 | M20 | 6 |
| SP 400-4 | 0194111 | 25.5 | 65 | 240 | 85 | 110 | 45 | M8 | 48 | M20 | 6.2 |
| SP 400-4 | 0194111 | 25.5 | 70 | 250 | 90 | 150 | 45 | M8 | 45 | M20 | 4.7 |

Spitzverzahnung 1,5 mm x 60°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 1,5 mm x 60°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

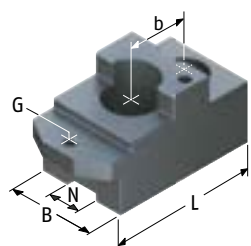
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|---|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| ROTA NC 210 ROTA NCF 210 | 58 - 80 | 217 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 89 - 113 | 241 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 119 - 143 | 241 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| ROTA NCK plus 210-52 | 51 - 80 | 217 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 82 - 114 | 242 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 112 - 144 | 242 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| ROTA NCF plus 215-66 ROTA NC plus 215-66 | 71 - 80 | 217 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 102 - 120 | 249 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 132 - 150 | 249 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| ROTA NCD 215-66 | 47 - 80 | 217 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 78 - 116 | 245 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 108 - 146 | 245 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| ROTA NC 250 ROTA NCF 250 | 69 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 75 - 109 | 269 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 113 | 269 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 127 - 162 | 285 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 136 - 171 | 285 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| ROTA NCK plus 250-75 | 65 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 74 - 114 | 275 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 121 | 279 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 123 - 169 | 293 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 132 - 178 | 293 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| ROTA NCD 255-86 | 61 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 74 - 114 | 275 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 121 | 279 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 119 - 169 | 293 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 128 - 178 | 293 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |



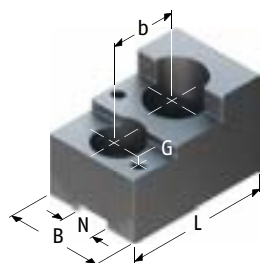
Passende Nutensteine finden Sie ab Seite 138.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



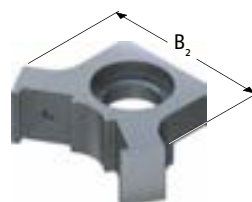
For suitable T-nuts see page 138.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



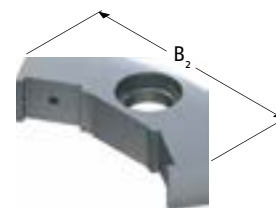
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B ₂ | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|----------------|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|-----------------------------|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| ROTA NCF plus 260-86 | 84 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 89 - 114 | 275 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 123 | 281 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 143 - 171 | 295 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 152 - 180 | 295 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| ROTA NC plus 260-86 | 84 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 90 - 114 | 275 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 123 | 281 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 143 - 171 | 295 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 152 - 180 | 295 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| ROTA NC 315 ROTA NCF 315 | 83 - 112 | 291 | PNS-M 315-18-1 | 0160210 | PT 18-1 | 0160002 | PB 315-1 | 0192105 |
| | 105 - 160 | 330 | PNS-M 315-18-2 | 0160211 | PT 18-1 | 0160002 | PB 315-2 | 0192106 |
| | 160 - 215 | 339 | PNS-M 315-18-3 | 0160212 | PT 18-2 | 0160003 | PB 315-3 | 0192107 |
| | 169 - 229 | 350 | PNS-M 315-18-4 | 0160213 | PT 18-2 | 0160003 | PB 315-4 | 0192108 |
| ROTA NCF plus 315-104 | 92 - 112 | 291 | PNS-M 315-21-1 | 0160223 | PT 21-3 | 0160004 | PB 315-1 | 0192105 |
| | 106 - 158 | 328 | PNS-M 315-21-2 | 0160224 | PT 21-3 | 0160004 | PB 315-2 | 0192106 |
| | 169 - 215 | 339 | PNS-M 315-21-3 | 0160225 | PT 21-4 | 0160005 | PB 315-3 | 0192107 |
| | 178 - 227 | 348 | PNS-M 315-21-4 | 0160226 | PT 21-4 | 0160005 | PB 315-4 | 0192108 |
| ROTA NCK plus 315-91 | 77 - 112 | 291 | PNS-M 315-21-1 | 0160223 | PT 21-3 | 0160004 | PB 315-1 | 0192105 |
| | 105 - 149 | 317 | PNS-M 315-21-2 | 0160224 | PT 21-3 | 0160004 | PB 315-2 | 0192106 |
| | 151 - 212 | 336 | PNS-M 315-21-3 | 0160225 | PT 21-4 | 0160005 | PB 315-3 | 0192107 |
| | 166 - 218 | 338 | PNS-M 315-21-4 | 0160226 | PT 21-4 | 0160005 | PB 315-4 | 0192108 |
| ROTA NC plus 315-104 | 92 - 112 | 291 | PNS-M 315-21-1 | 0160223 | PT 21-3 | 0160004 | PB 315-1 | 0192105 |
| | 106 - 158 | 328 | PNS-M 315-21-2 | 0160224 | PT 21-3 | 0160004 | PB 315-2 | 0192106 |
| | 169 - 215 | 339 | PNS-M 315-21-3 | 0160225 | PT 21-4 | 0160005 | PB 315-3 | 0192107 |
| | 178 - 227 | 348 | PNS-M 315-21-4 | 0160226 | PT 21-4 | 0160005 | PB 315-4 | 0192108 |
| ROTA NCD 315-115 | 81 - 112 | 291 | PNS-M 315-21-1 | 0160223 | PT 21-3 | 0160004 | PB 315-1 | 0192105 |
| | 105 - 159 | 329 | PNS-M 315-21-2 | 0160224 | PT 21-3 | 0160004 | PB 315-2 | 0192106 |
| | 158 - 215 | 339 | PNS-M 315-21-3 | 0160225 | PT 21-4 | 0160005 | PB 315-3 | 0192107 |
| | 167 - 227 | 348 | PNS-M 315-21-4 | 0160226 | PT 21-4 | 0160005 | PB 315-4 | 0192108 |

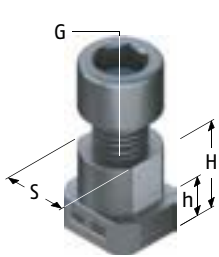
| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 315-2 | 0194105 | 18 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M14 | 2.4 |
| SP 315-2 | 0194105 | 18 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M14 | 2.45 |
| SP 315-4 | 0194107 | 18 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M14 | 2.65 |
| SP 315-4 | 0194107 | 18 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M14 | 3 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M16 | 2.35 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M16 | 2.45 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M16 | 2.6 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M16 | 2.9 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M16 | 2.35 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M16 | 2.45 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M16 | 2.6 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M16 | 2.9 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M16 | 2.35 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M16 | 2.45 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M16 | 2.6 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M16 | 2.9 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M16 | 2.35 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M16 | 2.45 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M16 | 2.6 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M16 | 2.9 |

Einzel-Nutensteine

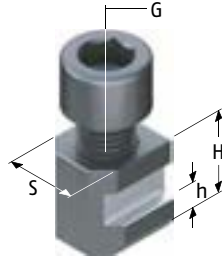
- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen

Single T-Nuts

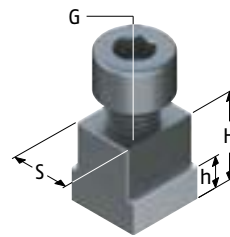
- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)



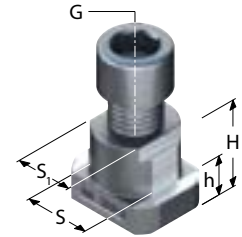
Ausführung 1 | Version 1



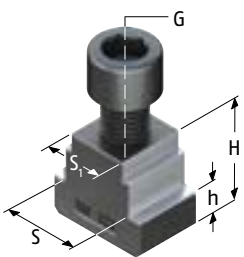
Ausführung 2 | Version 2



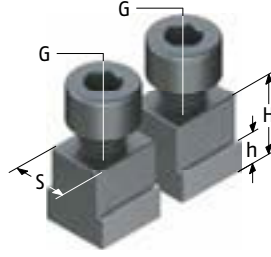
Ausführung 3 | Version 3



Ausführung 4 | Version 4



Ausführung 5 | Version 5



Ausführung 6 | Version 6

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube Cyl.-Screw | Max. zul. Anzieh- drehmoment Max. adm. tight- ening torque [Nm] |
|--------------------------|---|---|-----------------------|-----------|------------|-----------|-----------|-----|---------------------------------|---|
| | ROTA TP 125-26 | NS 81 | 0143100 | 1 | 11 | 21 | 7 | M8 | M8x30 | 30 |
| | ROTA 2B 160 | NKS 2 | 0143106 | 2 | 17 | 20.5 | 7.5 | M12 | M12x25 | 70 |
| | ROTA NCD 160 | NS 80 | 0140100 | 1 | 12 | 17.2 | 7 | M8 | M8x22 | 30 |
| | ROTA TP 160-38 | NS 102 | 0143101 | 1 | 14 | 25.5 | 8.5 | M10 | M10x35 | 50 |
| | ROTA NC 165 | NKS 2 | 0143106 | 2 | 17 | 20.5 | 7.5 | M12 | M12x25 | 70 |
| | ROTA NCD 165-46 | NS 80 | 0140100 | 1 | 12 | 17.2 | 7 | M8 | M8x22 | 30 |
| | ROTA NCF 165 | NKS 2 | 0143106 | 2 | 17 | 20.5 | 7.5 | M12 | M12x25 | 70 |
| | ROTA NCK plus 165-45 | NKS 1 | 0143104 | 2 | 14 | 18.5 | 6.5 | M10 | M10x25 | 50 |
| | ROTA NCO 165 ROTA NCD 185-54 | NKS 2 | 0143106 | 2 | 17 | 20.5 | 7.5 | M12 | M12x25 | 70 |
| | ROTA NCF plus 185-52 ROTA NC plus 185-52 | NKS 1 | 0143104 | 2 | 14 | 18.5 | 6.5 | M10 | M10x25 | 50 |
| | ROTA 2B 200 | NKS 3 | 0143107 | 2 | 21 | 26.5 | 10 | M16 | M16x35 | 150 |
| | ROTA TP 200-52 | NS 126 | 0143102 | 1 | 17 | 27 | 9 | M12 | M12x35 | 70 |
| | ROTA NC 210 | NJ 80 ⁽¹⁶⁾ gesägt <i>sawn</i> | 0146004 | 6 | 14 | 24.5 | 8.5 | M12 | M12x35 | 70 |
| | | NKS 2 | 0143106 | 2 | 17 | 20.5 | 7.5 | M12 | M12x25 | 70 |
| | ROTA NCD 210 | NS 120 | 0140101 | 1 | 17 | 23 | 9 | M12 | M12x30 | 70 |
| | | NS 124 ⁽¹⁵⁾ | 0142101 | 1 | 17 | 22 | 9 | M12 | M12x25 | 70 |
| | ROTA NCF 210 | NJ 80 ⁽¹⁶⁾ gesägt <i>sawn</i> | 0146004 | 6 | 14 | 24.5 | 8.5 | M12 | M12x35 | 70 |
| | | NKS 2 | 0143106 | 2 | 17 | 20.5 | 7.5 | M12 | M12x25 | 70 |

Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---|---|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| ROTA NCK plus 210-52 | NJ 82 ¹⁶⁾ gesägt <i>sawn</i> | 0146005 | 6 | 14 | | 20.5 | 8.5 | M12 | M12x30 | 70 |
| | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| ROTA NCO 210 | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| ROTA NCD 215-66 | NJ 82 ¹⁶⁾ gesägt <i>sawn</i> | 0146005 | 6 | 14 | | 20.5 | 8.5 | M12 | M12x30 | 70 |
| | NS 120 | 0140101 | 1 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| | NS 124 ¹⁵⁾ | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| ROTA NCF plus 215-66 ROTA NC plus 215-66 | NJ 82 ¹⁶⁾ gesägt <i>sawn</i> | 0146005 | 6 | 14 | | 20.5 | 8.5 | M12 | M12x30 | 70 |
| | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| ROTA 2B 250 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| | NS 25,5/21 | 0140109 | 4 | 25.5 | 21 | 29 | 11 | M16 | M16x35 | 150 |
| ROTA NC 250 | NJ 100 ¹⁶⁾ gesägt <i>sawn</i> | 0146003 | 6 | 16 | | 24.5 | 8.5 | M12 | M12x35 | 70 |
| | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA NCD 250 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| | NS 21/17 ¹⁵⁾ | 0140122 | 4 | 21 | 17 | 27 | 11 | M12 | M12x30 | 70 |
| ROTA NCF 250 | NJ 100 ¹⁶⁾ gesägt <i>sawn</i> | 0146003 | 6 | 16 | | 24.5 | 8.5 | M12 | M12x35 | 70 |
| | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA NCK plus 250-75 | NJ 103 ¹⁶⁾ gesägt <i>sawn</i> | 0146002 | 6 | 16 | | 21.5 | 8.5 | M12 | M12x30 | 70 |
| | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| ROTA NCR 250 | NKS 1 | 0143104 | 2 | 14 | | 18.5 | 6.5 | M10 | M10x25 | 50 |
| ROTA TP 250-68 | NS 164 | 0143108 | 1 | 21 | | 30 | 11 | M16 | M16x35 | 150 |
| ROTA NCD 255-86 | NJ 103 ¹⁶⁾ gesägt <i>sawn</i> | 0146002 | 6 | 16 | | 21.5 | 8.5 | M12 | M12x30 | 70 |
| | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| | NS 21/17 ¹⁵⁾ | 0140122 | 4 | 21 | 17 | 27 | 11 | M12 | M12x30 | 70 |
| ROTA NCF plus 260-86 | NJ 103 ¹⁶⁾ gesägt <i>sawn</i> | 0146002 | 6 | 16 | | 21.5 | 8.5 | M12 | M12x30 | 70 |
| | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA NCO 260 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA NC plus 260-86 | NJ 103 ¹⁶⁾ gesägt <i>sawn</i> | 0146002 | 6 | 16 | | 21.5 | 8.5 | M12 | M12x30 | 70 |
| | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA 2B 315 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| | NS 25,5/21 | 0140109 | 4 | 25.5 | 21 | 29 | 11 | M16 | M16x35 | 150 |
| ROTA NC 315 | NJ 121 ¹⁶⁾ gesägt <i>sawn</i> | 0146001 | 6 | 18 | | 33.5 | 13.5 | M14 | M14x45 | 130 |
| | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| ROTA NCD 315-115 | NJ 124 ¹⁶⁾ gesägt <i>sawn</i> | 0146000 | 6 | 21 | | 28 | 11.5 | M16 | M16x40 | 150 |
| | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| | NS 21/17 ¹⁵⁾ | 0140122 | 4 | 21 | 17 | 27 | 11 | M12 | M12x30 | 70 |
| ROTA NCF 315 | NJ 121 ¹⁶⁾ gesägt <i>sawn</i> | 0146001 | 6 | 18 | | 33.5 | 13.5 | M14 | M14x45 | 130 |
| | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |

Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---|---|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| ROTA NCF plus 315-104 ROTA NCK plus 315-91 | NJ 124 ¹⁶⁾ gesägt <i>sawn</i> | 0146000 | 6 | 21 | | 28 | 11.5 | M16 | M16x40 | 150 |
| | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA NCO 315 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA NC plus 315-104 | NJ 124 ¹⁶⁾ gesägt <i>sawn</i> | 0146000 | 6 | 21 | | 28 | 11.5 | M16 | M16x40 | 150 |
| | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA NCR 315 | NKS 1 | 0143104 | 2 | 14 | | 18.5 | 6.5 | M10 | M10x25 | 50 |
| ROTA TP 315-105 ROTA TP 315-90 ROTA TP 350-115 ROTA TP-LH 350-115 | NS 164 | 0143108 | 1 | 21 | | 30 | 11 | M16 | M16x35 | 150 |
| ROTA EP 380-127 | NS 181 | 0143105 | 3 | 25.5 | | 34.5 | 14.5 | M18 | M18x55 | 220 |
| | NS 205 | 0140123 | 3 | 25.5 | | 34.5 | 14.5 | M20 | M20x45 | 240 |
| ROTA 2B 400 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| | NS 25,5/21 | 0140109 | 4 | 25.5 | 21 | 29 | 11 | M16 | M16x35 | 150 |
| ROTA NC 400-120 ROTA NCD 400-165 ROTA NCF 400-120 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| ROTA NCO 400 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| ROTA NCR 400 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA TB 400-115 ROTA TB 400-140 ROTA TB-LH 400-140 ROTA EP 460-165 ROTA EP 460-185 ROTA EP-LH 460-165 ROTA EP-LH 460-185 ROTA TB 470-185 ROTA TB-LH 470-185 | NS 181 | 0143105 | 3 | 25.5 | | 34.5 | 14.5 | M18 | M18x55 | 220 |
| ROTA EP 500-260 | NS 205 | 0140123 | 3 | 25.5 | | 34.5 | 14.5 | M20 | M20x45 | 240 |
| | NS 164 | 0143108 | 1 | 21 | | 30 | 11 | M16 | M16x35 | 150 |
| ROTA NC 500-160 ROTA NCD 500-165 ROTA NCF 500-160 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| ROTA NCO 500 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| ROTA NCR 500 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ROTA TB 500-160 ROTA TB 500-205 ROTA TB 500-230 ROTA TB-LH 500-205 ROTA TB-LH 500-230 ROTA TB 600-275 ROTA TB-LH 600-275 ROTA TB 610-260 ROTA TB-LH 610-260 | NS 181 | 0143105 | 3 | 25.5 | | 34.5 | 14.5 | M18 | M18x55 | 220 |
| ROTA NC 630-180 | NS 205 | 0140123 | 3 | 25.5 | | 34.5 | 14.5 | M20 | M20x45 | 240 |
| | NS 240-2 | 0140124 | 1 | 30 | | 41 | 15 | M24 | M24x60 | 450 |
| ROTA NCD 630-165 | NS 242 ¹⁰⁾ | 0140121 | 5 | 30 | 25.5 | 41 | 15 | M20 | M20x50 | 220 |
| | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| ROTA NCF 630-180 | NS 240-2 | 0140124 | 1 | 30 | | 41 | 15 | M24 | M24x60 | 450 |
| | NS 242 ¹⁰⁾ | 0140121 | 5 | 30 | 25.5 | 41 | 15 | M20 | M20x50 | 220 |
| ROTA NCO 630 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| ROTA NCR 630 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |

Einzel-Nutensteine

Single T-Nuts

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube Cyl.-Screw | Max. zul. Anzieh- drehmoment Max. adm. tight- ening torque [Nm] |
|--|----------------------------|---------|-----------------------|-----------|------------|-----------|-----------|-----|---------------------------------|---|
| ROTA TB 630 -265 ROTA TB 630-310 ROTA TB 630 -330 | NS 240-1 | 0140114 | 1 | 30 | | 41 | 15 | M24 | M24x70 | 450 |
| ROTA TB-LH 630-265 | NS 182 | 0140119 | 3 | 25.5 | | 67 | 14.5 | M18 | M18x90 | 220 |
| ROTA TB-LH 630-325 | NS 240-1 | 0140114 | 1 | 30 | | 41 | 15 | M24 | M24x70 | 450 |
| ROTA NC 800 | NS 240-2 | 0140124 | 1 | 30 | | 41 | 15 | M24 | M24x60 | 450 |
| | NS 242 ¹⁰⁾ | 0140121 | 5 | 30 | 25.5 | 41 | 15 | M20 | M20x50 | 220 |
| ROTA NCO 800 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| ROTA NCR 800 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| ROTA TB 800-365 ROTA TB 800-410 ROTA TB-LH 850-375 | NS 240-1 | 0140114 | 1 | 30 | | 41 | 15 | M24 | M24x70 | 450 |
| ROTA NC 1000 ROTA NCO 1000 | NS 240 | 0140104 | 1 | 30 | | 41 | 15 | M24 | M24x50 | 450 |
| ROTA NCR 1000 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| ROTA TB 1000 ROTA TB-LH 1000-560 ROTA TB-LH 1200-640 | NS 240-1 | 0140114 | 1 | 30 | | 41 | 15 | M24 | M24x70 | 450 |

10) Für den Einsatz von Backen mit Nutbreite 25.5 mm

15) Für den Einsatz von Zangenbacken auf Futter ROTA NCD

16) Für Pendelbacken mit 1,5X60° (1 Stück Kombi-Nutenstein = 2 Einzel-Nutensteine)

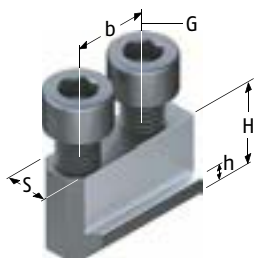
10) For using to jaws with slot 25.5 mm

15) For using collet jaws on a ROTA NCD chuck

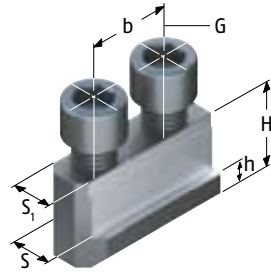
16) For pendulum jaws 1,5X60° (1 Piece Combi-T-nut = 2 Single T-nuts)

Kombi-Nutensteine

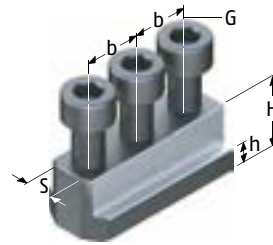
- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



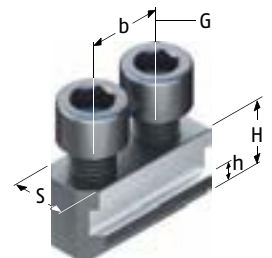
Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3



Ausführung 4 | Version 4

Combi T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schrau- be Cyl.- Screw | Max. zul. Anzieh- drehmoment Max. adm. tight- ening torque [Nm] |
|---|----------------------------|---------|-----------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| ROTA NCD 130 ROTA NCD 132-32 | NK 60 | 0147104 | 3 | 10 | | 13.7 | 5.5 | 12 | M6 | M6x18 | 16 |
| ROTA NCD 160 | NK 81 | 0147106 | 3 | 12 | | 17.2 | 7 | 15 | M8 | M8x22 | 30 |
| ROTA NC 165 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCD 165-46 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| | NK 81 | 0147106 | 3 | 12 | | 17.2 | 7 | 15 | M8 | M8x22 | 30 |
| ROTA NCF 165 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCK 165 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| ROTA NCK plus 165-45 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| | NKA 1 | 0145103 | 4 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| ROTA NCO 165 | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCD 185-54 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCF plus 185-52 ROTA NC plus 185-52 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| | NKA 1 | 0145103 | 4 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| ROTA 2B 200 | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NC 210 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCD 210 | NK 121 | 0145100 | 1 | 17 | | 23 | 9 | 22 | M12 | M12x30 | 70 |
| ROTA NCF 210 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCK 210 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| ROTA NCK plus 210-52 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCO 210 | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCD 215-66 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| | NK 121 | 0145100 | 1 | 17 | | 23 | 9 | 22 | M12 | M12x30 | 70 |

Kombi-Nutensteine

Combi T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schrau- be <i>Cyl.- Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| ROTA NCF plus 215-66 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| ROTA NC plus 215-66 | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NC 250 | NJ 100 | 0146102 | 1 | 16 | | 24.5 | 8.5 | 30 | M12 | M12x35 | 70 |
| | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NCD 250 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| ROTA NCF 250 | NJ 100 | 0146102 | 1 | 16 | | 24.5 | 8.5 | 30 | M12 | M12x35 | 70 |
| ROTA NCK 250 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NCK plus 250-75 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| | NKA 2 | 0145104 | 4 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| ROTA NCR 250 | NKA 1 | 0145103 | 4 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| ROTA NCD 255-86 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| ROTA NCF plus 260-86 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NCO 260 | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NC plus 260-86 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NC 315 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| ROTA NCD 315-115 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| ROTA NCF 315 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| ROTA NCF plus 315-104 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NCK 315 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| ROTA NCK plus 315-91 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NCO 315 | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NC plus 315-104 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NCR 315 | NKA 1 | 0145103 | 4 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| ROTA NC 400-120 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |
| ROTA NCD 400-165 | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |
| ROTA NCF 400-120 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |
| ROTA NCR 400 | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| ROTA NC 500-160 | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |
| ROTA NCD 500-165 | | | | | | | | | | | |
| ROTA NCF 500-160 | | | | | | | | | | | |
| ROTA NCR 500 | NKA 3 | 0145105 | 4 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |

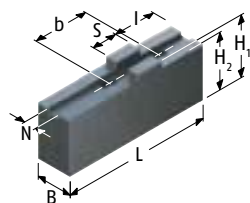
Kombi-Nutensteine

Combi T-Nuts

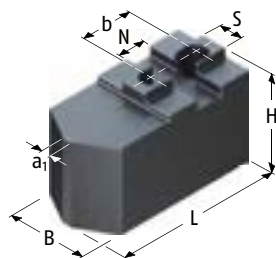
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schrau- be <i>Cyl.- Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| ROTA NCD 630-165 | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |
| ROTA NCR 630 ROTA NCR 800 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| ROTA NCR 1000 | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |

Metrischer Kreuzversatz

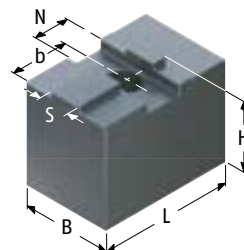
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*



Ausführung 3 | *Version 3*

Metric tongue and groove

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Set <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|-------------------------------|
| ROTA 2B 125 | 2 SWKK 125 | 0126100 | 3 | 16 | 14 | 40 | 48 | | | 60 | | | 29 | M12 | 1.5 |
| ROTA 2B 160 | 2 SWKK 160 | 0126101 | 3 | 18 | 18 | 60 | 60 | | | 76 | | | 35 | M16 | 3.5 |
| ROTA-G 160 ROTA-S plus 2.0 160-42 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 |
| ROTA NCO 165 | SRK 160 | 0136105 | 2 | 10 | 16 | 40 | 60 | | | 76 | | 4 | 25 | M12 | 2.9 |
| ROTA NCR 165 ¹⁾ | SRK 132 | 0136112 | 2 | 8 | 10 | 25 | 30 | | | 60 | | 3 | 22 | M8 | 0.76 |
| ROTA THW 165-43 ROTA THW plus 165-43 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 |
| ROTA NCS 175/3 | SRK 132 | 0136112 | 2 | 8 | 10 | 25 | 30 | | | 60 | | 3 | 22 | M8 | 0.76 |
| ROTA THW plus 185-52 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 |
| ROTA 2B 200 | 2 SRK 200 | 0136118 | 2 | 12 | 16 | 40 | 60 | | | 94 | | 8 | 30 | M12 | 2.6 |
| ROTA-G 200-62 | SFA 200 | 0153101 | 1 | 10 | 20 | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 |
| | SFA 200-C5 | 0154132 | 1 | 10 | 20 | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 |

Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| ROTA NCR 200 ¹⁾ | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 |
| ROTA-S plus 2.0 200-52 | SFA 200 | 0153101 | 1 | 10 | 20 | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 |
| | SFA 200-C5 | 0154132 | 1 | 10 | 20 | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 |
| ROTA NCO 210 | SRK 200 | 0136106 | 2 | 12 | 16 | 40 | 60 | | | 94 | | 8 | 30 | M12 | 3.9 |
| ROTA NCS 210/3 | SRK 160 | 0136105 | 2 | 10 | 16 | 40 | 60 | | | 76 | | 4 | 25 | M12 | 2.9 |
| ROTA THW 210 ROTA THWB 210-52 ROTA THW plus 215-66 ROTA THW vario 215-62 | SFA 200 | 0153101 | 1 | 10 | 20 | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 |
| | SFA 200-C5 | 0154132 | 1 | 10 | 20 | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 |
| ROTA 2B 250 | 2 SRK 250 | 0136120 | 2 | 16 | 20 | 50 | 80 | | | 117 | | 12 | 40 | M16 | 5.5 |
| ROTA-G 250-82 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| ROTA NCS 250/3 | SRK 200 | 0136106 | 2 | 12 | 16 | 40 | 60 | | | 94 | | 8 | 30 | M12 | 3.9 |
| ROTA NCS 250/6 ¹⁾ | SRK 132 | 0136112 | 2 | 8 | 10 | 25 | 30 | | | 60 | | 3 | 22 | M8 | 0.76 |
| ROTA-S plus 2.0 250-62 ROTA THW 250 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| ROTA NCO 260 | SRK 250 | 0136107 | 2 | 16 | 20 | 50 | 80 | | | 117 | | 12 | 40 | M16 | 8.2 |



Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| ROTA THW plus 260-81 ROTA THW 265 ROTA THWB 265-71 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| ROTA 2B 315 | 2 SRK 315 | 0136121 | 2 | 16 | 20 | 50 | 80 | | | 149 | | 6 | 50 | M16 | 7.4 |
| ROTA-G 315-102 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| ROTA NCO 315 | SRK 315 | 0136109 | 2 | 16 | 20 | 50 | 80 | | | 149 | | 6 | 50 | M16 | 10.9 |
| ROTA NCS 315/3 ROTA NCS 315/6 ¹⁾ | SRK 200 | 0136106 | 2 | 12 | 16 | 40 | 60 | | | 94 | | 8 | 30 | M12 | 3.9 |
| ROTA-S plus 2.0 315-92 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| | SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| ROTA THW 315 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |



Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|------------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|---------------------|-------------------------|
| ROTA THWB 315-86 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| ROTA THW plus 315-104 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 | |
| ROTA 2B 400 | 2 SRK 400 | 0136122 | 2 | 18 | 22 | 60 | 100 | | | 180 | | 12 | 60 | M16 | 14.7 |
| ROTA NCO 400 | SRK 400 | 0136117 | 2 | 18 | 22 | 60 | 100 | | | 180 | | 12 | 60 | M16 | 22 |
| ROTA NCS 400/3 | SRK 250 | 0136107 | 2 | 16 | 20 | 50 | 80 | | | 117 | | 12 | 40 | M16 | 8.2 |
| ROTA NCS 400/6 ¹⁾ | SRK 200 | 0136106 | 2 | 12 | 16 | 40 | 60 | | | 94 | | 8 | 30 | M12 | 3.9 |
| ROTA-S plus 400-102 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| ROTA THW 400-120 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |



Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Metrischer Kreuzversatz


Metric tongue and groove

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|---------------------|-------------------------|
| ROTA THWB 400-120 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| ROTA NCS 500/3 ROTA NCS 500/6 ¹⁾ | SRK 250 | 0136107 | 2 | 16 | 20 | 50 | 80 | | | 117 | | 12 | 40 | M16 | 8.2 |
| ROTA-S plus 500-162 ROTA THW 500-128 ROTA THWB 500-128 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| ROTA-S plus 630-252 | SFA 630 | 0153106 | 1 | 24 | 40 | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 39.6 |
| ROTA THW 630-160 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| ROTA THWB 630-160 ROTA-S plus 800-252 | SFA 630 | 0153106 | 1 | 24 | 40 | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 39.6 |
| ROTA THW 800 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| ROTA-S plus 1000-402 | SFA 1000 | 0153108 | 1 | 24 | 40 | 76 | | 150 | 142 | 350 | 70 | | 82 | M20 | 87 |
| | SFA 630 | 0153106 | 1 | 24 | 40 | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 39.6 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck

 Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

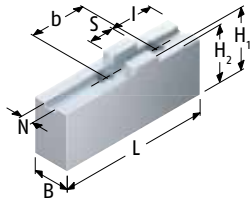
 For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

Metrischer Kreuzversatz

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Metric tongue and groove

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | I [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA-G 160 ROTA-S plus 2.0 160-42 ROTA THW 165-43 ROTA THW plus 165-43 ROTA THW plus 185-52 | SFA-AL 160 | 0172100 | 8 | 18 | 25 | 50 | 46 | 85 | 25 | 32 | M8 | 0.7 |
| ROTA-G 200-62 | SFA-AL 200 | 0172102 | 10 | 20 | 25 | 50 | 46 | 105 | 35 | 40 | M8 | 0.9 |
| ROTA NCR 200 ¹⁾ | SFA-AL 160 | 0172100 | 8 | 18 | 25 | 50 | 46 | 85 | 25 | 32 | M8 | 0.7 |
| ROTA-S plus 2.0 200-52 ROTA THW 210 ROTA THWB 210-52 ROTA THW plus 215-66 ROTA THW vario 215-62 | SFA-AL 200 | 0172102 | 10 | 20 | 25 | 50 | 46 | 105 | 35 | 40 | M8 | 0.9 |
| ROTA-G 250-82 ROTA-S plus 2.0 250-62 ROTA THW 250 ROTA THW plus 260-81 ROTA THW 265 ROTA THWB 265-71 ROTA-G 315-102 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| ROTA-S plus 2.0 315-92 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| ROTA THW 315 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| ROTA THWB 315-86 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| ROTA THW plus 315-104 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| ROTA-S plus 400-102 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| ROTA THW 400-120 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| ROTA THWB 400-120 ROTA-S plus 500-162 ROTA THW 500-128 ROTA THWB 500-128 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |

Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA-S plus 630-252 | SFA-AL 630 | 0172106 | 24 | 40 | 65 | 118 | 110 | 260 | 70 | 82 | M20 | 14.8 |
| ROTA THW 630-160 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| ROTA THWB 630-160 ROTA-S plus 800-252 | SFA-AL 630 | 0172106 | 24 | 40 | 65 | 118 | 110 | 260 | 70 | 82 | M20 | 14.8 |
| ROTA THW 800 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| ROTA-S plus 1000-402 | SFA-AL 1000 | 0172108 | 24 | 40 | 80 | 155 | 147 | 350 | 70 | 82 | M20 | 32 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck



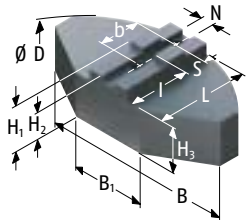
Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Metric tongue and groove

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening

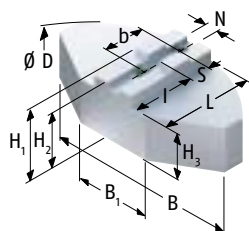
| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben Screws | m/Set m/Set | [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|---------------------|----------------|------|
| ROTA-G 160 ROTA-S plus 2.0 160-42 ROTA THW 165-43 ROTA THW plus 165-43 ROTA THW plus 185-52 | SFA-SM 160 | 0173100 | 8 | 18 | 120 | 40 | 160 | 50 | 46 | 40 | 60 | 23 | 32 | M8 | 4.8 | |
| ROTA-G 200-62 ROTA-S plus 2.0 200-52 ROTA THW 210 ROTA THWB 210-52 ROTA THW plus 215-66 ROTA THW vario 215-62 | SFA-SM 200 | 0173101 | 10 | 20 | 140 | 64 | 200 | 60 | 56 | 50 | 70 | 27 | 40 | M8 | 9 | |
| ROTA-G 250-82 ROTA-S plus 2.0 250-62 ROTA THW 250 ROTA THW plus 260-81 ROTA THW 265 ROTA THWB 265-71 ROTA-G 315-102 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 | |
| ROTA-S plus 2.0 315-92 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 | |
| ROTA THW 315 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 | |
| ROTA THWB 315-86 | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 | |
| ROTA THW plus 315-104 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 | |
| ROTA THW plus 315-104 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 | |
| ROTA THW plus 315-104 | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 | |
| ROTA-S plus 400-102 | SFA-SM 400 | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 | |
| ROTA THW 400-120 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 | |
| ROTA THWB 400-120 ROTA-S plus 500-162 ROTA THW 500-128 ROTA THWB 500-128 ROTA THW 630-160 ROTA THW 800 | SFA-SM 400 | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 | |

Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium



Metric tongue and groove

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|---------------------|-----------------|------|
| ROTA-G 160 ROTA-S plus 2.0 160-42 ROTA THW 165-43 ROTA THW plus 165-43 ROTA THW plus 185-52 | SFA-SA 160 | 0174100 | 8 | 18 | 120 | 40 | 165 | 50 | 46 | 40 | 59.5 | 23 | 32 | M8 | 1.8 | |
| ROTA-G 200-62 ROTA-S plus 2.0 200-52 ROTA THW 210 ROTA THWB 210-52 ROTA THW plus 215-66 ROTA THW vario 215-62 | SFA-SA 200 | 0174101 | 10 | 20 | 140 | 50 | 200 | 58 | 54 | 48 | 72.5 | 32 | 40 | M8 | 3.5 | |
| ROTA-G 250-82 ROTA-S plus 2.0 250-62 ROTA THW 250 ROTA THW plus 260-81 ROTA THW 265 ROTA THWB 265-71 ROTA-G 315-102 | SFA-SA 201 | 0174105 | 10 | 20 | 140 | 50 | 200 | 80 | 76 | 70 | 72.5 | 32 | 40 | M8 | 4.7 | |
| ROTA-G 250-82 ROTA-S plus 2.0 250-62 ROTA THW 250 ROTA THW plus 260-81 ROTA THW 265 ROTA THWB 265-71 ROTA-G 315-102 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 | |
| ROTA-S plus 2.0 315-92 | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 | |
| ROTA THW 315 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 | |
| ROTA THWB 315-86 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 | |
| ROTA THW plus 315-104 | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 | |
| ROTA THW plus 315-104 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 | |
| ROTA-S plus 400-102 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 | |
| ROTA THW 400-120 | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 | |
| ROTA THWB 400-120 ROTA-S plus 500-162 ROTA THW 500-128 ROTA THWB 500-128 ROTA THW 630-160 ROTA THW 800 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 | |
| ROTA THW 400-120 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 | |

Passende Grundbacken finden Sie ab Seite 171.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

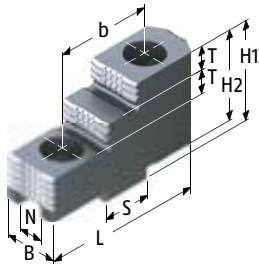
For suitable base jaw see page 171.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

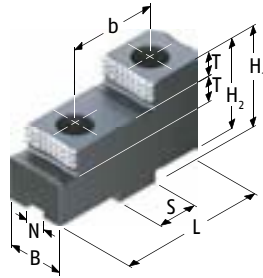
- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | Version 1



Ausführung 2 | Version 2

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA-G 160 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| ROTA-S plus 2.0 160-42 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| ROTA THW 165-43 ROTA THW plus 165-43 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| ROTA THW plus 185-52 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| ROTA-G 200-62 | SHF 200 | 0155101 | 1 | 10 | 20 | 22 | 42 | 38 | 71.7 | 10 | 40 | M8 | 0.8 |
| ROTA NCR 200 ¹⁾ | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| ROTA-S plus 2.0 200-52 | SHF 200 | 0155101 | 1 | 10 | 20 | 22 | 42 | 38 | 71.7 | 10 | 40 | M8 | 0.8 |
| ROTA THW 210 ROTA THWB 210-52 ROTA THW plus 215-66 ROTA THW vario 215-62 | SHF 200 | 0155101 | 1 | 10 | 20 | 22 | 42 | 38 | 71.7 | 10 | 40 | M8 | 0.8 |
| ROTA-G 250-82 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| ROTA-S plus 2.0 250-62 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| ROTA THW 250 ROTA THW plus 260-81 ROTA THW 265 ROTA THWB 265-71 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| ROTA-G 315-102 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| ROTA-S plus 2.0 315-92 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| ROTA THW 315 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| ROTA THWB 315-86 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| ROTA THW plus 315-104 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| ROTA-S plus 400-102 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| ROTA THW 400-120 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| ROTA THWB 400-120 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| ROTA-S plus 500-162 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| ROTA THW 500-128 ROTA THWB 500-128 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| ROTA-S plus 630-252 | SHF 630 | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |
| ROTA THW 630-160 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| ROTA THWB 630-160 | SHF 630 | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |

SCHUNK

Harte Stufenaufsatzbacken | Hard Stepped Top Jaws

Metrischer Kreuzversatz

Metric tongue and groove

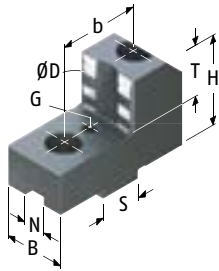
| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA-S plus 800-252 | SHF 630 | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |
| ROTA THW 800 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| ROTA-S plus 1000-402 | SHF 630 | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |

1) Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für das 6-Backen-futter

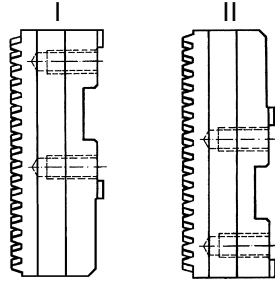
1) Please order 2 sets per 3 pcs. = 1 set for the 6-jaws-chuck

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1





Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannreich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Grundbackenstellung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/ Satz m/Set [kg] |
|---------------------------------|---|---|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-----------------------------|
| ROTA-G 160 | 28 - 87 | 208 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 55 - 117 | 208 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 72 - 135 | 215 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 105 - 168 | 229 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 123 - 186 | 247 | I | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA-S plus 2.0 160-42 | 51 - 86 | 207 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 63 - 99 | 208 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 98 - 134 | 214 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 114 - 150 | 211 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA THW 165-43 | 28 - 57 | 178 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 56 - 87 | 178 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 74 - 105 | 185 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 107 - 138 | 199 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 124 - 156 | 217 | I | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA THW plus 165-43 | 28 - 68 | 190 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 55 - 98 | 190 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 73 - 116 | 197 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 105 - 149 | 211 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 123 - 167 | 229 | I | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA THW plus 185-52 | 28 - 90 | 212 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 75 - 138 | 219 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 112 - 176 | 233 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA-G 200-62 | 36 - 90 | 257 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 73 - 127 | 257 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 111 - 165 | 257 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 146 - 200 | 262 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |


 Passende Grundbacken finden Sie ab Seite 171.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zubehör“.


 For suitable base jaw see page 171.
For suitable soft workpiece stops see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype Chuck type | Spann- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Grundba- ckenstel- lung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/ Satz m/Set [kg] |
|--------------------------|--|--|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-----------------------------|
| ROTA-S plus 2.0 200-52 | 34 - 99 | 267 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 64 - 127 | 267 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 109 - 175 | 267 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 144 - 210 | 272 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| ROTA THW 210 | 29 - 82 | 249 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 66 - 119 | 249 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 104 - 157 | 249 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 139 - 192 | 254 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| ROTA THWB 210-52 | 39 - 82 | 252 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 113 - 157 | 252 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 148 - 192 | 254 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| ROTA THW plus 215-66 | 26 - 96 | 264 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 97 - 172 | 264 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 132 - 207 | 269 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| ROTA THW vario 215-62 | 26 - 97 | 264 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 97 - 172 | 264 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 132 - 207 | 269 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| ROTA-G 250-82 | 31 - 107 | 319 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 86 - 170 | 322 | I | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 143 - 228 | 322 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 177 - 262 | 336 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA-S plus 2.0 250-62 | 31 - 101 | 325 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 78 - 158 | 325 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 153 - 234 | 328 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 186 - 267 | 342 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THW 250 | 32 - 86 | 298 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 82 - 144 | 298 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 145 - 207 | 301 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 178 - 241 | 315 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THW plus 260-81 | 31 - 101 | 313 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 83 - 158 | 313 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 145 - 221 | 316 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 178 - 255 | 330 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THW 265 | 32 - 97 | 309 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 82 - 154 | 309 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 145 - 218 | 312 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 178 - 252 | 326 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THWB 265-71 | 35 - 97 | 309 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 91 - 154 | 309 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 154 - 216 | 310 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 188 - 250 | 324 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |

 Passende Grundbacken finden Sie ab Seite 171.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 171.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/ Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|------------------------------------|
| ROTA-G 315-102 | 38 - 145 | 380 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 112 - 233 | 385 | I | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 203 - 320 | 408 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA-S plus 2.0 315-92 | 44 - 134 | 401 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 87 - 211 | 401 | I | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 119 - 242 | 401 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 194 - 320 | 408 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| ROTA THW 315 | 32 - 113 | 347 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 87 - 170 | 347 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 120 - 204 | 347 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 207 - 291 | 366 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THWB 315-86 | 44 - 101 | 350 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 125 - 209 | 350 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 182 - 266 | 354 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| ROTA THW plus 315-104 | 31 - 138 | 373 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 120 - 230 | 373 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 203 - 313 | 388 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA-S plus 400-102 | 49 - 168 | 508 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 122 - 269 | 508 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 234 - 388 | 508 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| ROTA THW 400-120 | 44 - 154 | 422 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 135 - 263 | 422 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 214 - 341 | 429 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| ROTA THWB 400-120 | 50 - 157 | 426 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 142 - 258 | 426 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 187 - 303 | 424 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| ROTA-S plus 500-162 | 54 - 253 | 594 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 151 - 355 | 594 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 268 - 473 | 593 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| ROTA THW 500-128 | 50 - 178 | 518 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 129 - 279 | 518 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 249 - 400 | 520 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| ROTA THWB 500-128 | 50 - 178 | 520 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 142 - 279 | 520 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 263 - 400 | 522 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |



Passende Grundbacken finden Sie ab Seite 171.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable base jaw see page 171.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/ Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|------------------------------------|
| ROTA-S plus 630-252 | 62 - 370 | 851 | II | SZKA 409 ¹⁴⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 87 - 344 | 818 | II | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 160 - 472 | 851 | II | SZKA 412 ¹⁴⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 194 - 504 | 818 | II | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 204 - 515 | 818 | I | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 364 - 676 | 818 | I | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 381 - 643 | 765 | I | SZKA 412 ¹⁴⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| ROTA THW 630-160 | 51 - 225 | 645 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 132 - 327 | 645 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 330 - 526 | 645 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| ROTA-S plus 800-252 | 62 - 370 | 851 | II | SZKA 409 ¹⁴⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 87 - 344 | 819 | II | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 160 - 472 | 851 | II | SZKA 412 ¹⁴⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 195 - 505 | 819 | II | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 273 - 584 | 887 | I | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 393 - 712 | 833 | I | SZKA 412 ¹⁴⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 433 - 744 | 887 | I | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| ROTA THW 800 | 60 - 226 | 665 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 132 - 325 | 665 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 318 - 524 | 665 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| ROTA-S plus 1000-402 | 206 - 551 | 1026 | II | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 366 - 712 | 1026 | II | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 544 - 891 | 1194 | I | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 705 - 1052 | 1194 | I | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |

14) In Verbindung mit den Grundbacken SFG 630-400

14) In combination with base jaws SFG 630-400



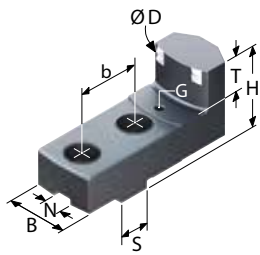
Passende Grundbacken finden Sie ab Seite 171.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



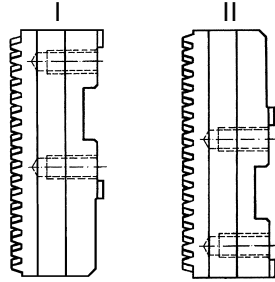
For suitable base jaw see page 171.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | *Version 1*



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannreich- Clamping range [mm] | Schwing- kreis- Swing diameter [mm] | Grundba- ckenstel- lung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/ Satz m/Set [kg] |
|---------------------------------|--|---|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-----------------------------|
| ROTA-G 160 | 52 - 73 | 207 | II | SZKI 168 | 0166151 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 1.4 |
| | 68 - 128 | 207 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 85 - 146 | 207 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA-S plus 2.0 160-42 | 55 - 90 | 206 | I | SZKI 168 | 0166151 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 1.4 |
| | 110 - 145 | 206 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA THW 165-43 | 50 - 56 | 177 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 55 - 61 | 177 | I | SZKI 168 | 0166151 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 1.4 |
| | 68 - 99 | 177 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA THW plus 165-43 | 86 - 116 | 177 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 52 - 72 | 189 | I | SZKI 168 | 0166151 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 1.4 |
| | 68 - 110 | 189 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| ROTA THW plus 185-52 | 85 - 127 | 187 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 47 - 90 | 211 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| ROTA THW plus 200-62 | 86 - 150 | 211 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 53 - 104 | 256 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| ROTA-G 200-62 | 119 - 174 | 256 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 54 - 113 | 266 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 136 | 266 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| ROTA-S plus 2.0 200-52 | 117 - 183 | 266 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 54 - 96 | 248 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| ROTA THW 210 | 84 - 128 | 248 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 112 - 166 | 248 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| ROTA THWB 210-52 | 54 - 96 | 251 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 122 - 166 | 251 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| ROTA THW plus 215-66 | 53 - 110 | 263 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 105 - 180 | 263 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |



Passende Grundbacken finden Sie ab Seite 171.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable base jaw see page 171.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/ Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|------------------------------------|
| ROTA THW vario 215-62 | 58 - 111 | 263 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 105 - 181 | 263 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| ROTA-G 250-82 | 69 - 146 | 318 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 117 - 202 | 319 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 181 - 265 | 319 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA-S plus 2.0 250-62 | 73 - 152 | 324 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 115 - 196 | 324 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 190 - 271 | 325 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THW 250 | 69 - 125 | 297 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 119 - 181 | 297 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 182 - 244 | 298 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THW plus 260-81 | 69 - 140 | 312 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 120 - 196 | 312 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 182 - 259 | 313 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THW 265 | 70 - 136 | 308 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 119 - 192 | 308 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 182 - 255 | 309 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THWB 265-71 | 75 - 134 | 308 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 128 - 192 | 308 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 192 - 253 | 308 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA-G 315-102 | 90 - 208 | 381 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 207 - 328 | 382 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA-S plus 2.0 315-92 | 93 - 208 | 400 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 117 - 240 | 400 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 191 - 317 | 400 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| ROTA THW 315 | 93 - 176 | 348 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 124 - 208 | 346 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 207 - 295 | 349 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA THWB 315-86 | 97 - 155 | 349 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 182 - 263 | 349 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| ROTA THW plus 315-104 | 89 - 197 | 370 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 124 - 233 | 372 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 206 - 317 | 371 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| ROTA-S plus 400-102 | 103 - 198 | 507 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 288 | 507 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 253 - 407 | 507 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| ROTA THW 400-120 | 104 - 229 | 421 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 211 - 338 | 421 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| ROTA THWB 400-120 | 106 - 187 | 425 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 161 - 277 | 425 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 206 - 322 | 424 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |



Passende Grundbacken finden Sie ab Seite 171.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable base jaw see page 171.

For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Grundba- ckenstel- lung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/ Satz m/Set [kg] |
|--------------------------|--|--|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-----------------------------|
| ROTA-S plus 500-162 | 103 - 248 | 593 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 170 - 374 | 593 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 287 - 492 | 592 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| ROTA THW 500-128 | 104 - 208 | 517 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 158 - 298 | 517 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 268 - 420 | 519 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| ROTA THWB 500-128 | 104 - 208 | 519 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 161 - 298 | 519 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 282 - 420 | 521 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| ROTA-S plus 630-252 | 108 - 400 | 817 | II | SZKI 409 ¹⁴⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 179 - 458 | 817 | II | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 436 - 645 | 747 | I | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| ROTA THW 630-160 | 105 - 254 | 644 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 157 - 346 | 644 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 349 - 545 | 644 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| ROTA-S plus 800-252 | 123 - 434 | 884 | II | SZKI 409 ¹⁴⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 212 - 524 | 884 | II | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 469 - 782 | 884 | I | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| ROTA THW 800 | 116 - 254 | 644 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 205 - 346 | 644 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 349 - 545 | 644 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |

14) In Verbindung mit den Grundbacken SFG 630-400

14) In combination with base jaws SFG 630-400



Passende Grundbacken finden Sie ab Seite 171.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



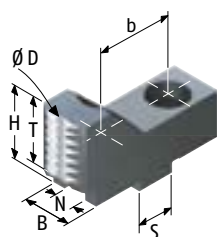
For suitable base jaw see page 171.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

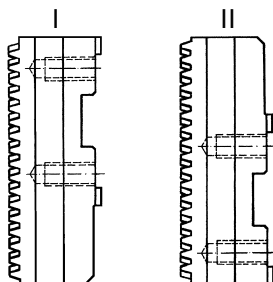
- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | Version 1

Grundbackenstellung
Position of base jaws

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Grundba- ckenstel- lung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA-G 160 | 12 - 59 | 208 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| ROTA-S plus 2.0 160-42 | 10 - 42 | 208 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| ROTA THW 165-43 | 10 - 29 | 178 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| ROTA THW plus 165-43 | 12 - 41 | 190 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| ROTA THW plus 185-52 | 12 - 63 | 212 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| ROTA-G 200-62 | 24 - 78 | 257 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| ROTA-S plus 2.0 200-52 | 14 - 78 | 267 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| ROTA THW 210 | 18 - 71 | 249 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| ROTA THWB 210-52 | 28 - 71 | 250 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| ROTA THW plus 215-66 | 11 - 85 | 263 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| ROTA THW vario 215-62 | 11 - 85 | 264 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| ROTA-G 250-82 | 13 - 90 | 319 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA-S plus 2.0 250-62 | 13 - 84 | 325 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA THW 250 | 13 - 69 | 298 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA THW plus 260-81 | 17 - 84 | 313 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA THW 265 | 13 - 80 | 309 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA THWB 265-71 | 18 - 80 | 309 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA-G 315-102 | 17 - 117 | 368 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA-S plus 2.0 315-92 | 14 - 118 | 401 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |



Passende Grundbacken finden Sie ab Seite 171.



For suitable base jaw see page 171.

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA THW 315 | 14 - 96 | 347 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA THWB 315-86 | 17 - 85 | 350 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| ROTA THW plus 315-104 | 14 - 122 | 373 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| ROTA THW 400-120 | 17 - 127 | 410 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |



Passende Grundbacken finden Sie ab Seite 171.



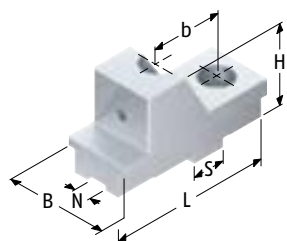
For suitable base jaw see page 171.

Metrischer Kreuzversatz

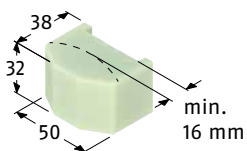
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 - 0,4
- Schonende Spannung

Metric tongue and groove

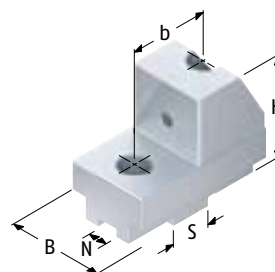
- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 - 0.4
- Gentle clamping



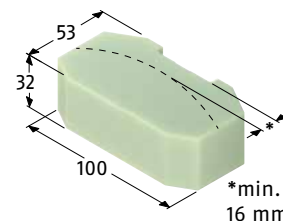
TRQK ...-1



QUENTES 10



TRQK ...-2

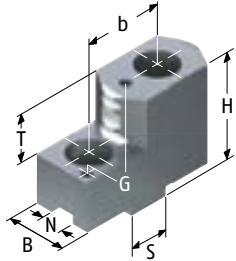


QUENTES 20

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Bezeichnung Description | ID | Spanneinsatz ID Clamping insert | N [mm] | S [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|--|----------------------------|--------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA-G 160 ROTA-S plus 2.0 160-42 ROTA THW 165-43 ROTA THW plus 165-43 ROTA THW plus 185-52 | 20 - 71 | TRQK 160 | 0150024 | QUENTES 10 0150100 | 8 | 18 | 38 | 54 | 56 | 32 | M8 | 0.5 |
| ROTA-G 200-62 ROTA-S plus 2.0 200-52 ROTA THW 210 ROTA THWB 210-52 ROTA THW plus 215-66 ROTA THW vario 215-62 | 20 - 64 55 - 115 | TRQK 200-1 TRQK 200-2 | 0150009 0150010 | QUENTES 10 QUENTES 20 0150200 | 10 10 | 20 20 | 38 40 | 54 58 | 91 72 | 40 40 | M8 M8 | 0.74 0.76 |
| ROTA-G 250-82 ROTA-S plus 2.0 250-62 ROTA THW 250 ROTA THW plus 260-81 ROTA THWB 265-71 | 20 - 98 55 - 124 | TRQK 250-1 TRQK 250-2 | 0150011 0150012 | QUENTES 10 QUENTES 20 0150100 0150200 | 12 12 | 20 20 | 38 40 | 53 57 | 98 72 | 40 40 | M12 M12 | 0.8 0.7 |
| ROTA-G 315-102 ROTA THW 315 ROTA THW plus 315-104 | 20 - 149 55 - 235 | TRQK 250-1 TRQK 250-2 | 0150011 0150012 | QUENTES 10 QUENTES 20 0150100 0150200 | 12 12 | 20 20 | 38 40 | 53 57 | 98 72 | 40 40 | M12 M12 | 0.8 0.7 |

Metrischer Kreuzversatz

- Die Universal-Aufsatzbacke SZKU ist so vielseitig wie eine Stufenbacke und überträgt zugleich hohe Drehmomente wie eine Krallenbacke
- Material: Stahl 16MnCr5, einsatzgehärtet



Metric tongue and groove

- The universal top jaw combines the major benefits of two jaw types: the SZKU is as versatile as a stepped jaw whilst transmitting high torques like a claw jaw
- Material: Steel 16MnCr5, case-hardened

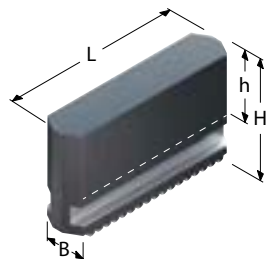
| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Grundba- ckenstel- lung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | m/Satz m/Set [kg] |
|--------------------------|--|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|-------------------------|
| ROTA THW plus 165-43 | 70 - 89 | II | SZKU 160 | 0139300 | 8 | 18 | 22 | 42 | 20 | M5 | 32 | 0.7 |
| | 88 - 107 | I | SZKU 160 | 0139300 | 8 | 18 | 22 | 42 | 20 | M5 | 32 | 0.7 |
| ROTA THW plus 185-52 | 73 - 111 | II | SZKU 160 | 0139300 | 8 | 18 | 22 | 42 | 20 | M5 | 32 | 0.7 |
| | 92 - 129 | I | SZKU 160 | 0139300 | 8 | 18 | 22 | 42 | 20 | M5 | 32 | 0.7 |
| ROTA THW plus 215-66 | 96 - 143 | II | SZKU 200 | 0139301 | 10 | 20 | 24 | 48 | 25 | M6 | 40 | 0.9 |
| | 135 - 181 | I | SZKU 200 | 0139301 | 10 | 20 | 24 | 48 | 25 | M6 | 40 | 0.9 |
| ROTA THW plus 260-81 | 99 - 143 | II | SZKU 250 | 0139302 | 12 | 20 | 30 | 55 | 25 | M6 | 40 | 1.6 |
| | 163 - 207 | I | SZKU 250 | 0139302 | 12 | 20 | 30 | 55 | 25 | M6 | 40 | 1.6 |
| ROTA THW plus 315-104 | 104 - 181 | II | SZKU 250 | 0139302 | 12 | 20 | 30 | 55 | 25 | M6 | 40 | 1.6 |
| | 199 - 265 | I | SZKU 250 | 0139302 | 12 | 20 | 30 | 55 | 25 | M6 | 40 | 1.6 |

Passende Grundbacken finden Sie ab Seite 171.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable base jaw see page 171.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

Schräge Verzahnung


- Verzahnung und Nuten induktiv gehärtet und geschliffen
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: C45, vergütet




Angled serration

- Serration and slots inductive hardened and ground
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: C45, tempered

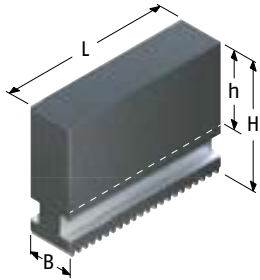
| Futtertype Chuck type | Bezeichnung Description | ID | B [mm] | H [mm] | L [mm] | h [mm] | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-------------------------|
| ROTA-S plus 2.0 160-42 | SMB 160 | 0163100 | 20 | 45 | 79 | 24 | 1.5 |
| | SMB-H 160 | 0163200 | 20 | 60 | 79 | 39 | 2 |
| ROTA-S plus 2.0 200-52 | SMB 200 | 0163101 | 22 | 60 | 94 | 35 | 2.6 |
| | SMB-H 200 | 0163201 | 22 | 80 | 94 | 55 | 3.6 |
| ROTA-S plus 2.0 250-62 | SMB 250 | 0163102 | 26 | 70 | 115 | 40 | 4.4 |
| | SMB-H 250 | 0163202 | 26 | 100 | 115 | 70 | 6.5 |
| ROTA-S plus 2.0 315-92 | SMB 315 | 0163103 | 32 | 81 | 140 | 46 | 7.5 |
| | SMB-H 315 | 0163203 | 32 | 135 | 140 | 100 | 13 |
| ROTA-S plus 400-102 | SMB 400 | 0163104 | 45 | 93 | 176 | 53 | 15 |
| ROTA-S plus 500-162 | SMB 500 | 0163105 | 45 | 130 | 176 | 90 | 21.6 |
| ROTA-S plus 630-252 | SMB 630/800 | 0163106 | 65 | 130 | 230 | 88 | 40 |
| ROTA-S plus 800-252 | | | | | | | |
| ROTA-S plus 1000-402 | | | | | | | |

 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

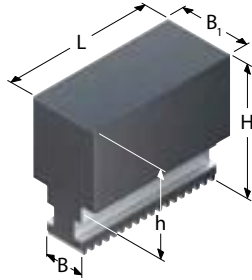
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Gerade Verzahnung

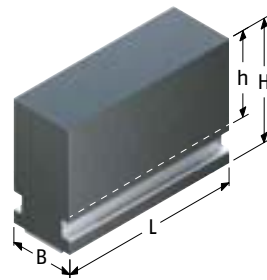
- Verzahnung und Nuten induktiv gehärtet und geschliffen
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: C45, vergütet



Ausführung 1 | Version 1



Ausführung 2 | Version 2





Ausführung 3 | Version 3

Straight serration

- Serration and slots inductive hardened and ground
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: C45, tempered

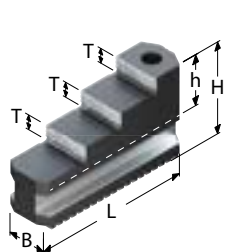
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | B [mm] | B1 [mm] | H [mm] | L [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|--------------------------------|
| ROTA-G 160 ROTA THW 165-43 ROTA THW plus 165-43 ROTA THW plus 185-52 | UVB 160 | 0164106 | 1 | 20 | | 55.5 | 65 | 35 | 1.6 |
| ROTA-G 200-62 ROTA THW 210 | UVB 200 | 0164100 | 1 | 22 | | 65 | 84 | 40 | 2.7 |
| | UVB-B 200 | 0164113 | 2 | 22 | 40 | 65 | 84 | 38 | 3.9 |
| | UVB-H 200 | 0164116 | 1 | 22 | | 85 | 84 | 60 | 3.2 |
| ROTA THWB 210-52 | EWM 210 | 0164130 | 3 | 45 | | 65 | 85 | 39.6 | 6.4 |
| ROTA THW plus 215-66 ROTA THW vario 215-62 | UVB 200 | 0164100 | 1 | 22 | | 65 | 84 | 40 | 2.7 |
| | UVB-B 200 | 0164113 | 2 | 22 | 40 | 65 | 84 | 38 | 3.9 |
| | UVB-H 200 | 0164116 | 1 | 22 | | 85 | 84 | 60 | 3.2 |
| ROTA-G 250-82 ROTA THW 250 ROTA THW plus 260-81 ROTA THW 265 | UVB 250 | 0164101 | 1 | 26 | | 84 | 99 | 55 | 4.8 |
| | UVB-B 250 | 0164114 | 2 | 26 | 46 | 84 | 99 | 52 | 7.2 |
| | UVB-H 250 | 0164117 | 1 | 26 | | 115 | 99 | 86 | 6.6 |
| ROTA THWB 265-71 | EWM 265 | 0164131 | 3 | 45 | | 84 | 110 | 55.6 | 9.5 |
| ROTA-G 315-102 ROTA THW 315 | UVB 315 | 0164102 | 1 | 32 | | 90 | 121 | 56 | 7.6 |
| | UVB-B 315 | 0164115 | 2 | 32 | 46 | 90 | 121 | 52 | 9.6 |
| | UVB-H 315 | 0164118 | 1 | 32 | | 135 | 121 | 101 | 11.3 |
| ROTA THWB 315-86 | EWM 315 | 0164132 | 3 | 50 | | 90 | 120 | 56 | 11.9 |
| ROTA THW plus 315-104 | UVB 315 | 0164102 | 1 | 32 | | 90 | 121 | 56 | 7.6 |
| | UVB-B 315 | 0164115 | 2 | 32 | 46 | 90 | 121 | 52 | 9.6 |
| | UVB-H 315 | 0164118 | 1 | 32 | | 135 | 121 | 101 | 11.3 |
| ROTA THW 400-120 | UVB 400 | 0164103 | 1 | 32 | | 100 | 148 | 66 | 10 |
| ROTA THWB 400-120 | EWM 400 | 0164133 | 3 | 50 | | 100 | 142 | 66 | 16 |
| ROTA THW 500-128 | UVB 500 | 0164104 | 1 | 45 | | 124 | 175 | 77 | 20.3 |
| ROTA THWB 500-128 | EWM 500 | 0164134 | 3 | 62 | | 125 | 160 | 78 | 27.6 |
| ROTA THW 630-160 ROTA THW 800 | UVB 630 | 0164105 | 1 | 45 | | 134 | 230 | 87 | 31 |

 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

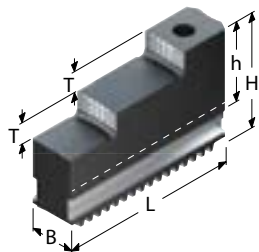
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Schräge Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, einsatzgehärtet



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

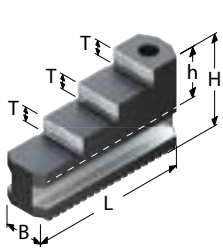
Angled serration

- *Universal for O.D.- and I.D.-Clamping*
- *Big clamping ranges*
- *Clamping surfaces with diamond serration*
- *Highest stability by monoblock design*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5, case-hardened*

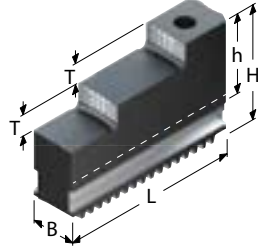
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|--------------------------------|
| ROTA-S plus 2.0 160-42 | STF 160 | 0161100 | 1 | 20 | 45 | 79 | 7.5 | 24 | 1.1 |
| ROTA-S plus 2.0 200-52 | STF 200 | 0161101 | 1 | 22 | 60 | 94 | 10 | 35 | 1.9 |
| ROTA-S plus 2.0 250-62 | STF 250 | 0161102 | 2 | 26 | 70 | 114 | 14 | 40 | 3.3 |
| ROTA-S plus 2.0 315-92 | STF 315 | 0161103 | 2 | 32 | 81 | 129 | 15 | 46 | 5.5 |
| ROTA-S plus 400-102 | STF 400 | 0161104 | 2 | 45 | 93 | 167 | 20 | 52 | 10.8 |
| ROTA-S plus 500-162 | STF 400 | 0161104 | 2 | 45 | 93 | 167 | 20 | 52 | 10.8 |

Gerade Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, einsatzgehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Straight serration

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, case-hardened

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz m/Set [kg] |
|--------------------------|----------------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-------------------------|
| ROTA-G 160 | GST 175 | 0162099 | 1 | 20 | 46 | 66.6 | 7 | 24 | 0.9 |
| ROTA THW 165-43 | GST 140/160 I ¹²⁾ | 0162097 | 1 | 20 | 43.5 | 58 | 7 | 22 | 0.7 |
| ROTA THW plus 165-43 | GST 140/160 II ¹²⁾ | 0162098 | 1 | 20 | 43.5 | 58 | 7 | 22 | 0.7 |
| ROTA THW plus 185-52 | GST 140/160 I ¹²⁾ | 0162097 | 1 | 20 | 43.5 | 58 | 7 | 22 | 0.7 |
| | GST 140/160 II ¹²⁾ | 0162098 | 1 | 20 | 43.5 | 58 | 7 | 22 | 0.7 |
| ROTA-G 200-62 | GST 201 | 0162106 | 1 | 22 | 54 | 84.8 | 8 | 29 | 1.6 |
| ROTA THW 210 | GST 201 | 0162106 | 1 | 22 | 54 | 84.8 | 8 | 29 | 1.6 |
| ROTA THW plus 215-66 | | | | | | | | | |
| ROTA THW vario 215-62 | | | | | | | | | |
| ROTA-G 250-82 | GST 251 | 0162105 | 1 | 26 | 65 | 107.4 | 10 | 36 | 2.8 |
| ROTA THW 250 | GST 251 | 0162105 | 1 | 26 | 65 | 107.4 | 10 | 36 | 2.8 |
| ROTA THW plus 260-81 | | | | | | | | | |
| ROTA THW 265 | | | | | | | | | |
| ROTA-G 315-102 | GST 315 | 0162102 | 1 | 32 | 66 | 116.3 | 10 | 32 | 3.5 |
| ROTA THW 315 | GST 315 | 0162102 | 1 | 32 | 66 | 116.3 | 10 | 32 | 3.5 |
| ROTA THW plus 315-104 | | | | | | | | | |
| ROTA THW 400-120 | GST 400 | 0162103 | 1 | 32 | 70 | 136.4 | 11 | 36 | 4.6 |
| ROTA THW 500-128 | GST 500-630 | 0162104 | 2 | 45 | 93 | 175 | 20 | 46 | 11.7 |
| ROTA THW 630-160 | GST 500-630 | 0162104 | 2 | 45 | 93 | 175 | 20 | 46 | 11.7 |
| ROTA THW 800 | | | | | | | | | |

12) Lückenlose Spannung nur mit 2 Satz Stufenblockbacken (I+II) möglich

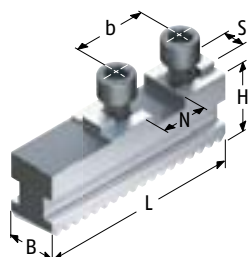
12) Clamping a full range is only possible by using two sets of block jaws (I+II)

Schräge Verzahnung

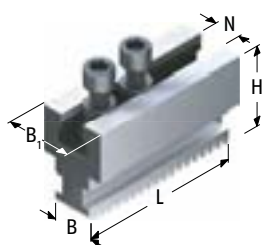
- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben (außer Type EWB-TG)

Angled serration

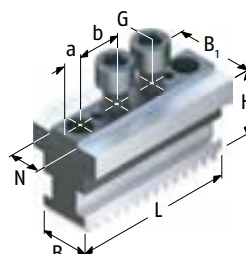
- Base Jaws for top jaws
- Hardened and precision ground
- Delivery unit: 1 set = 3 pieces
- Including screws (except Type EWB-TG)



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set [kg] |
|--|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|------------------------|
| ROTA-S plus 2.0 160-42 | SFG 160 | 0157100 | MT* | 1 | 18 | 8 | 20 | | 27 | 74 | | 32 | M8x1 | 0.8 |
| | SFGK 160 | 0157500 | MT* | 1 | 18 | 8 | 20 | | 27 | 64 | | 32 | M8x1 | 0.7 |
| ROTA-S plus 2.0 200-52 | SFG 200 | 0157101 | MT* | 1 | 20 | 10 | 22 | | 32 | 90 | | 40 | M8x1 | 1.2 |
| | SFGK 200 | 0157501 | MT* | 1 | 20 | 10 | 22 | | 32 | 80 | | 40 | M8x1 | 1.1 |
| | SFGL 200 | 0157121 | MT* | 1 | 20 | 10 | 22 | | 32 | 110 | | 40 | M8x1 | 1.5 |
| | STB 200 | 0156099 | 1/16" x 90° | 2 | 17 | | 22 | 45 | 61 | 80 | | | M12 | 3.4 |
| ROTA-S plus 2.0 250-62 | SFG 250 | 0157102 | MT* | 1 | 20 | 12 | 26 | | 37 | 110 | | 40 | M12x1,5 | 2 |
| | SFGK 250 | 0157502 | MT* | 1 | 20 | 12 | 26 | | 37 | 91 | | 40 | M12x1,5 | 1.6 |
| | SFGL 250 | 0157112 | MT* | 1 | 20 | 12 | 26 | | 37 | 122 | | 40 | M12x1,5 | 2.3 |
| | STB 250-1 | 0156100 | 1/16" x 90° | 2 | 17 | | 26 | 45 | 65 | 110 | | | M12 | 4.9 |
| | STB 250-2 | 0156101 | 1/16" x 90° | 2 | 21 | | 26 | 54 | 70 | 110 | | | M16 | 5.2 |
| | STN 250-4 | 0160501 | 1/16" x 90° | 3 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4.2 |
| ROTA-S plus 2.0 315-92 | SFG 315 | 0157103 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | SFGL 315 | 0157123 | MT* | 1 | 26 | 12 | 32 | | 43 | 160 | | 54 | M12x1,5 | 4 |
| | STB 315-2 | 0156103 | 1/16" x 90° | 2 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 3 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| ROTA-S plus 400-102 ROTA-S plus 500-162 | SFG 400 | 0157104 | MT* | 1 | 30 | 18 | 45 | | 51 | 160 | | 60 | M16x1.5 | 7.2 |
| | SFGL 400 | 0157124 | MT* | 1 | 30 | 18 | 45 | | 51 | 200 | | 60 | M16x1.5 | 8.6 |
| | STB 400-1 | 0156104 | 1/16" x 90° | 2 | 21 | | 45 | 54 | 80 | 160 | | | M16 | 12 |
| ROTA-S plus 630-252 | STB 400-2 | 0156105 | 3/32" x 90° | 2 | 25.5 | | 45 | 64 | 82 | 160 | | | M20 | 12.2 |
| | SFG 630 | 0157106 | MT* | 1 | 40 | 24 | 65 | | 58 | 230 | | 82 | M20 | 17.1 |
| ROTA-S plus 800-252 | SFG 630-400 | 0157109 | MT* | 1 | 30 | 18 | 65 | | 58 | 230 | | 60 | M16x1.5 | 16.2 |
| | SFG 800 | 0157107 | MT* | 1 | 40 | 24 | 65 | | 58 | 264 | | 82 | M20 | 18.4 |
| ROTA-S plus 1000-402 | SFG 1000 | 0157108 | MT* | 1 | 40 | 24 | 65 | | 68 | 314 | | 82 | M20 | 24.4 |

* MT = Metrischer Kreuzversatz
AT = Amerikanischer Kreuzversatz

* MT = Metric tongue and groove
AT = American standard tongue and groove

Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

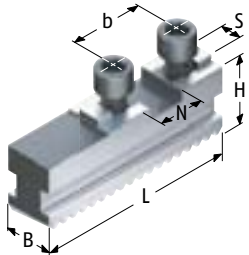
For suitable jaw mounting spare screws see catalog chapter "Accessories".

Gerade Verzahnung

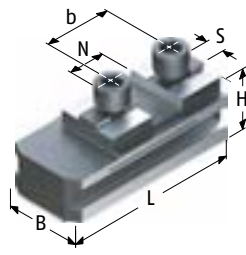
- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben (außer Type EWB-TG)

Straight serration

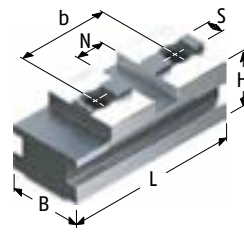
- Base Jaws for top jaws
- Hardened and precision ground
- Delivery unit: 1 set = 3 pieces
- Including screws (except Type EWB-TG)



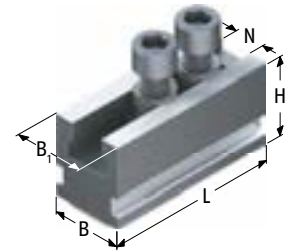
Ausführung 1 | Version 1



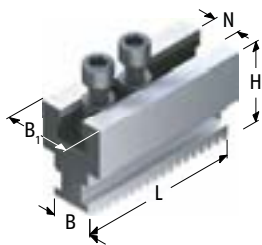
Ausführung 2 | Version 2



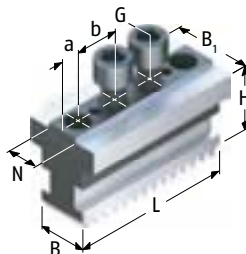
Ausführung 3 | Version 3



Ausführung 4 | Version 4



Ausführung 5 | Version 5



Ausführung 6 | Version 6

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set [kg] |
|---|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|------------------------|
| ROTA-G 160 ROTA THW 165-43 ROTA THW plus 165-43 ROTA THW plus 185-52 | GBK 160 | 0159106 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 65 | | 32 | M8 | 0.6 |
| | GBK-V 160 ⁽¹³⁾ | 0159156 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 65 | | 32 | M8 | 0.6 |
| ROTA-G 200-62 | GBK 200 | 0159100 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | GBKL 200 | 0159120 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 105 | | 40 | M8 | 1.2 |
| | GBK-V 200 ⁽¹³⁾ | 0159150 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | STB-G 200-1 | 0160655 | 1/16" x 90° | 5 | 17 | | 22 | 45 | 56 | 85 | | | M12 | 3 |
| | STNJ 200-5 | 0160650 | 1,5mm x 60° | 6 | 14 | | 22 | 40 | 47 | 95 | 10 | 25 | M12 | 2.6 |
| ROTA THW 210 | GBK 200 | 0159100 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | GBKL 200 | 0159120 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 105 | | 40 | M8 | 1.2 |
| | GBK-V 200 ⁽¹³⁾ | 0159150 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | STNJ 200-5 | 0160650 | 1,5mm x 60° | 6 | 14 | | 22 | 40 | 47 | 95 | 10 | 25 | M12 | 2.6 |
| ROTA THWB 210-52 | EWB-MT 210 | 0160790 | MT* | 2 | 20 | 10 | 45 | | 32 | 85 | | 40 | M8 | 2.1 |
| | EWB-TG 210 | 0160700 | AT* | 3 | 12.7 | 7.9 | 45 | | 30 | 86 | | 44.5 | 1/2" | 2.1 |
| | EWB-TS 210 | 0160730 | 1/16" x 90° | 4 | 17 | | 45 | 45 | 46 | 89 | | | M12 | 3.6 |
| | EWB-TSJ 210 | 0160740 | 1,5mm x 60° | 4 | 14 | | 45 | 45 | 46 | 89 | | | M12 | 3.3 |

Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

For suitable jaw mounting spare screws see catalog chapter "Accessories".

Gerade Verzahnung

Straight serration

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Aufnahme | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-------------|------------------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| ROTA THW plus 215-66 | GBK 200 | 0159100 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | GBKL 200 | 0159120 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 105 | | 40 | M8 | 1.2 |
| | GBK-V 200 ¹³⁾ | 0159150 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | STNJ 200-5 | 0160650 | 1,5mm x 60° | 6 | 14 | | 22 | 40 | 47 | 95 | 10 | 25 | M12 | 2.6 |
| ROTA THW vario 215-62 | GBK 200 | 0159100 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | GBKL 200 | 0159120 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 105 | | 40 | M8 | 1.2 |
| | GBK-V 200 ¹³⁾ | 0159150 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| ROTA-G 250-82 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STB-G 250-2 | 0160657 | 1/16" x 90° | 5 | 21 | | 26 | 50 | 68 | 104 | | | M16 | 5.2 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 6 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 6 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| | STNJ 250-5 | 0160651 | 1,5mm x 60° | 6 | 16 | | 26 | 40 | 47 | 110 | 10 | 30 | M12 | 2.9 |
| ROTA THW 250 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 6 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 6 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| | STNJ 250-5 | 0160651 | 1,5mm x 60° | 6 | 16 | | 26 | 40 | 47 | 110 | 10 | 30 | M12 | 2.9 |
| ROTA THW plus 260-81 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 6 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 6 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| ROTA THW 265 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 6 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 6 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| | STNJ 250-5 | 0160651 | 1,5mm x 60° | 6 | 16 | | 26 | 40 | 47 | 110 | 10 | 30 | M12 | 2.9 |
| ROTA THWB 265-71 | EWB-MT 265 | 0160791 | MT* | 2 | 20 | 12 | 45 | | 37 | 104 | | 40 | M12 | 3.2 |
| | EWB-TG 265 | 0160701 | AT* | 3 | 19.02 | 12.7 | 45 | | 42 | 106 | | 54 | 5/8" | 3.7 |
| | EWB-TS 265 | 0160731 | 1/16" x 90° | 4 | 21 | | 45 | 45 | 56 | 110 | | | M16 | 5.4 |
| | EWB-TSJ 265 | 0160741 | 1,5mm x 60° | 4 | 16 | | 45 | 45 | 53.5 | 110 | | | M12 | 5.3 |



Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.



For suitable jaw mounting spare screws see catalog chapter "Accessories".

Gerade Verzahnung

Straight serration

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA-G 315-102 | GBK 315 | 0159102 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | GBKL 315 | 0159122 | MT* | 1 | 20 | 12 | 32 | | 43 | 137 | | 40 | M12 | 3.5 |
| | GBK-V 315 ¹³⁾ | 0159152 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | STB-G 315-2 | 0160659 | 1/16" x 90° | 5 | 21 | | 32 | 54 | 75 | 115 | | | M16 | 7.5 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 6 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 6 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 6 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| ROTA THW 315 | GBK 315 | 0159102 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | GBKL 315 | 0159122 | MT* | 1 | 20 | 12 | 32 | | 43 | 137 | | 40 | M12 | 3.5 |
| | GBK-V 315 ¹³⁾ | 0159152 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 6 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 6 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 6 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| ROTA THWB 315-86 | EWB-MT 315 | 0160792 | MT* | 2 | 26 | 12 | 50 | | 43 | 115 | | 54 | M12 | 4.5 |
| | EWB-TG 315 | 0160702 | AT* | 3 | 19.02 | 12.7 | 50 | | 43 | 120 | | 63.5 | 5/8" | 4.5 |
| | EWB-TS 315 | 0160732 | 1/16" x 90° | 4 | 21 | | 50 | 50 | 60 | 132 | | | M16 | 6 |
| | EWB-TSJ 315/18 | 0160742 | 1,5mm x 60° | 4 | 18 | | 50 | 50 | 60 | 132 | | | M14 | 7.6 |
| | EWB-TSJ 315/21 | 0160744 | 1,5mm x 60° | 4 | 21 | | 50 | 50 | 60 | 132 | | | M16 | 6 |
| ROTA THW plus 315-104 | GBK 315 | 0159102 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | GBKL 315 | 0159122 | MT* | 1 | 20 | 12 | 32 | | 43 | 137 | | 40 | M12 | 3.5 |
| | GBK-V 315 ¹³⁾ | 0159152 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 6 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 6 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 6 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| ROTA THW 400-120 | GBK 400 | 0159103 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |
| | GBK-V 400 ¹³⁾ | 0159158 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 6 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| ROTA THWB 400-120 | EWB-MT 400 | 0160793 | MT* | 2 | 30 | 18 | 50 | | 51 | 125 | | 60 | M16 | 6.1 |
| | EWB-TG 400 | 0160703 | AT* | 3 | 19.02 | 12.7 | 50 | | 43 | 146 | | 76.2 | 3/4" | 5.6 |
| | EWB-TS 400 | 0160733 | 3/32" x 90° | 4 | 25.5 | | 50 | 62 | 72 | 148 | | | M20 | 12 |
| | EWB-TSJ 400 | 0160743 | 1,5mm x 60° | 4 | 24 | | 50 | 62 | 77 | 148 | | | M20 | 11 |
| ROTA THW 500-128 | GBK 500 | 0159104 | MT* | 1 | 30 | 18 | 45 | | 57 | 160 | | 60 | M16 | 8.6 |
| ROTA THWB 500-128 | EWB-MT 500 | 0160794 | MT* | 2 | 30 | 18 | 62 | | 57 | 160 | | 60 | M16 | 10.7 |
| | EWB-TG 500 | 0160704 | AT* | 3 | 19.02 | 12.7 | 62 | | 59 | 168 | | 76.2 | 3/4" | 10.5 |
| | EWB-TS 500 | 0160734 | 3/32" x 90° | 4 | 25.5 | | 62 | 75 | 90 | 160 | | | M20 | 21.6 |
| | EWB-TSJ 500 | 0160745 | 1,5mm x 60° | 4 | 24 | | 62 | 75 | 95 | 160 | | | M20 | 21.6 |
| | EWB-TSJ 500/25 | 0160747 | 3,0mm x 60° | 4 | 25 | | 62 | 75 | 95 | 160 | | | M20 | 21.6 |
| ROTA THW 630-160 | GBK 630 | 0159105 | MT* | 1 | 30 | 18 | 45 | | 57 | 200 | | 60 | M16 | 10.5 |



Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.



For suitable jaw mounting spare screws see catalog chapter "Accessories".

Gerade Verzahnung


Straight serration

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA THWB 630-160 | EWB-MT 630 | 0160795 | MT* | 2 | 40 | 24 | 75 | | 61 | 203 | | 82 | M20 | 18.5 |
| | EWB-TG 630 | 0160705 | AT* | 3 | 19.02 | 12.7 | 75 | | 57 | 203 | | 76.2 | 3/4" | 15.4 |
| | EWB-TS 630 | 0160735 | 3/32" x 90° | 4 | 25.5 | | 75 | 75 | 85 | 203 | | | M20 | 25.85 |
| | EWB-TSJ 630 | 0160746 | 3,0mm x 60° | 4 | 25 | | 75 | 75 | 95 | 203 | | 60 | M20 | 25.9 |
| ROTA THW 800 | GBK 630 | 0159105 | MT* | 1 | 30 | 18 | 45 | | 57 | 200 | | 60 | M16 | 10.5 |

* MT = Metrischer Kreuzversatz
 AT = Amerikanischer Kreuzversatz
 13) 1/2 Zahnversatz

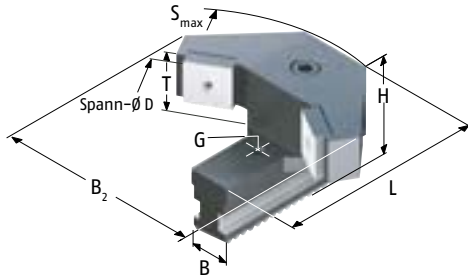
* MT = Metric tongue and groove
 AT = American standard tongue and groove
 13) 1/2 Tooth pitch

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

 For suitable jaw mounting spare screws see catalog chapter "Accessories".

Schräge Verzahnung

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke



Angled serration

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.

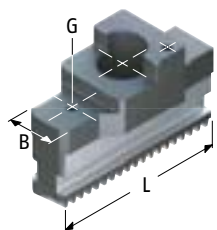
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum jaw | ID |
|--------------------------|--|--|-------------------------------------|----------------------------|----------------------------|---------|------------------------------|---------|
| ROTA-S plus 2.0 200-52 | 46 - 86 | 225 | PNK-S 200-2 | 0190651 | PT-FR 200-1 | 0191533 | PB 200-1 | 0192126 |
| | 78 - 128 | 252 | PNK-S 200-6 | 0190655 | PT-FR 200-2 | 0191534 | PB 200-3 | 0192128 |
| | 108 - 158 | 252 | PNK-S 200-8 | 0190657 | PT-FR 200-2 | 0191534 | PB 200-4 | 0192129 |
| ROTA-S plus 2.0 250-62 | 45 - 91 | 274 | PNK-S 250-2 | 0190551 | PT-FR 250-1 | 0191509 | PB 250-1 | 0192100 |
| | 89 - 111 | 284 | PNK-S 250-6 | 0190555 | PT-FR 250-1 | 0191509 | PB 250-3 | 0192102 |
| | 115 - 182 | 307 | PNK-S 250-8 | 0190557 | PT-FR 250-2 | 0191510 | PB 250-4 | 0192103 |
| | 124 - 191 | 307 | PNK-S 250-10 | 0190559 | PT-FR 250-2 | 0191510 | PB 250-5 | 0192104 |
| ROTA-S plus 2.0 315-92 | 109 - 195 | 357 | PNK-S 400-1 | 0190568 | PT-FR 400-1 | 0191513 | PB 400-1 | 0192110 |
| | 173 - 268 | 460 | PNK-S 400-3 | 0190570 | PT-FR 400-2 | 0191514 | PB 400-2 | 0192111 |
| ROTA-S plus 400-102 | 109 - 201 | 470 | PNK-S 500-1 | 0190574 | PT-FR 500-1 | 0191515 | PB 400-1 | 0192110 |
| | 160 - 215 | 507 | PNK-S 500-3 | 0190576 | PT-FR 500-1 | 0191515 | PB 400-2 | 0192111 |
| | 206 - 287 | 482 | PNK-S 500-5 | 0190578 | PT-FR 500-2 | 0191516 | PB 400-2 | 0192111 |
| | 282 - 287 | 516 | PNK-S 500-7 | 0190580 | PT-FR 500-2 | 0191516 | PB 400-3 | 0192112 |
| ROTA-S plus 500-162 | 137 - 201 | 470 | PNK-S 500-1 | 0190574 | PT-FR 500-1 | 0191515 | PB 400-1 | 0192110 |
| | 160 - 287 | 590 | PNK-S 500-3 | 0190576 | PT-FR 500-1 | 0191515 | PB 400-2 | 0192111 |
| | 313 - 387 | 516 | PNK-S 500-7 | 0190580 | PT-FR 500-2 | 0191516 | PB 400-3 | 0192112 |
| | 327 - 496 | 684 | PNK-S 500-9 | 0190582 | PT-FR 500-3 | 0191517 | PB 500-5 | 0192119 |

Bei Kraftspannfuttern können Spannlücken entstehen. Um diese Spannlücken zu überbrücken sind im Lieferumfang 2 verschiedene Spanneinsätze enthalten.

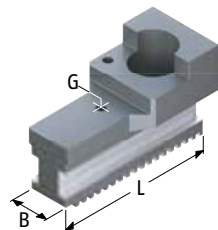
If pendulum jaws are used on power lathe chucks, gaps may occur. For covering these gaps, we are supplying 2 different clamping inserts, which belong to the scope of delivery.

 Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.

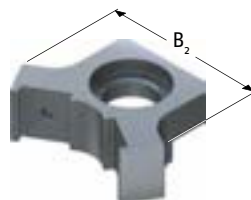
 For suitable hard and soft clamping inserts see catalog chapter "Accessories".



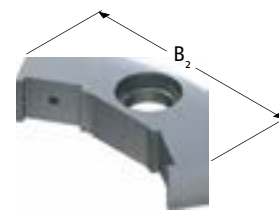
PT-FR / PT-S ...-1



PT-FR / PT-S ...-2 - 4



PB ...-1

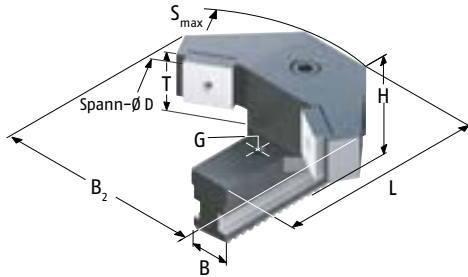


PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | Spanneinsatz Clamping insert | ID | B | B2 | H [mm] | L [mm] | T [mm] | G | m/Stück m/piece [kg] |
|---------------------------------|---------|---------------------------------|---------|----|-----|-----------|-----------|-----------|----|----------------------------|
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.3 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.7 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 2 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 2.4 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.7 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.6 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 145 | 83 | 104 | 40 | M6 | 2.7 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 32 | 150 | 99 | 125 | 50 | M8 | 3.7 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 32 | 205 | 99 | 165 | 50 | M8 | 5.5 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 45 | 150 | 118 | 167 | 50 | M8 | 5.2 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 205 | 118 | 167 | 50 | M8 | 6.5 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 205 | 118 | 180 | 50 | M8 | 8.2 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 240 | 118 | 180 | 50 | M8 | 8.4 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 45 | 150 | 118 | 167 | 50 | M8 | 5.2 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 205 | 118 | 167 | 50 | M8 | 6.5 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 240 | 118 | 180 | 50 | M8 | 8.4 |
| SP 500-1 | 0194112 | SP 500-2 | 0194113 | 45 | 310 | 118 | 220 | 50 | M8 | 10.9 |

Gerade Verzahnung

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke



Straight serration

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.

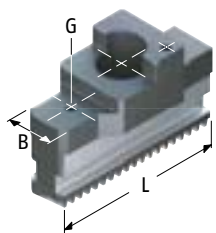
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|--------------------------|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| ROTA-G 200-62 | 46 - 86 | 225 | PNK-G 200-2 | 0190659 | PT-S 200-1 | 0191535 | PB 200-1 | 0192126 |
| | 78 - 137 | 262 | PNK-G 200-6 | 0190663 | PT-S 200-2 | 0191536 | PB 200-3 | 0192128 |
| | 108 - 167 | 262 | PNK-G 200-8 | 0190665 | PT-S 200-2 | 0191536 | PB 200-4 | 0192129 |
| ROTA THW 210 | 49 - 86 | 225 | PNK-G 200-2 | 0190659 | PT-S 200-1 | 0191535 | PB 200-1 | 0192126 |
| | 78 - 122 | 245 | PNK-G 200-6 | 0190663 | PT-S 200-2 | 0191536 | PB 200-3 | 0192128 |
| | 108 - 152 | 245 | PNK-G 200-8 | 0190665 | PT-S 200-2 | 0191536 | PB 200-4 | 0192129 |
| ROTA-G 250-82 | 47 - 91 | 274 | PNK-G 250-2 | 0190601 | PT-S 250-1 | 0191520 | PB 250-1 | 0192100 |
| | 89 - 136 | 314 | PNK-G 250-6 | 0190605 | PT-S 250-1 | 0191520 | PB 250-3 | 0192102 |
| | 117 - 184 | 310 | PNK-G 250-8 | 0190607 | PT-S 250-2 | 0191521 | PB 250-4 | 0192103 |
| | 126 - 204 | 322 | PNK-G 250-10 | 0190609 | PT-S 250-2 | 0191521 | PB 250-5 | 0192104 |
| ROTA THW 250 | 46 - 91 | 274 | PNK-G 250-2 | 0190601 | PT-S 250-1 | 0191520 | PB 250-1 | 0192100 |
| | 89 - 108 | 282 | PNK-G 250-6 | 0190605 | PT-S 250-1 | 0191520 | PB 250-3 | 0192102 |
| | 116 - 169 | 292 | PNK-G 250-8 | 0190607 | PT-S 250-2 | 0191521 | PB 250-4 | 0192103 |
| | 125 - 178 | 292 | PNK-G 250-10 | 0190609 | PT-S 250-2 | 0191521 | PB 250-5 | 0192104 |
| ROTA-G 315-102 | 74 - 112 | 301 | PNK-G 315-2 | 0190611 | PT-S 315-1 | 0191522 | PB 315-1 | 0192105 |
| | 99 - 170 | 352 | PNK-G 315-4 | 0190613 | PT-S 315-1 | 0191522 | PB 315-2 | 0192106 |
| | 144 - 215 | 339 | PNK-G 315-6 | 0190615 | PT-S 315-2 | 0191523 | PB 315-3 | 0192107 |
| | 157 - 250 | 374 | PNK-G 315-8 | 0190617 | PT-S 315-2 | 0191523 | PB 315-4 | 0192108 |
| ROTA THW 315 | 76 - 112 | 301 | PNK-G 315-2 | 0190611 | PT-S 315-1 | 0191522 | PB 315-1 | 0192105 |
| | 99 - 162 | 342 | PNK-G 315-4 | 0190613 | PT-S 315-1 | 0191522 | PB 315-2 | 0192106 |
| | 157 - 223 | 343 | PNK-G 315-8 | 0190617 | PT-S 315-2 | 0191523 | PB 315-4 | 0192108 |

Bei Kraftspannfuttern können Spannlücken entstehen. Um diese Spannlücken zu überbrücken sind im Lieferumfang 2 verschiedene Spanneinsätze enthalten.

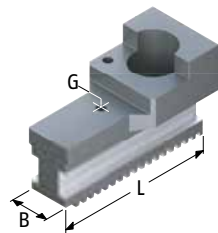
If pendulum jaws are used on power lathe chucks, gaps may occur. For covering these gaps, we are supplying 2 different clamping inserts, which belong to the scope of delivery.

 Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.

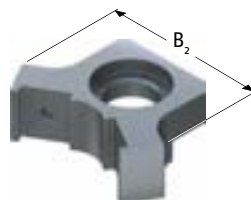
 For suitable hard and soft clamping inserts see catalog chapter "Accessories".



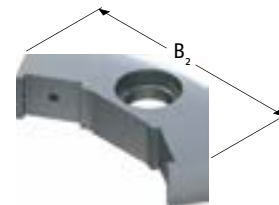
PT-FR / PT-S ...-1



PT-FR / PT-S ...-2 - 4



PB ...-1

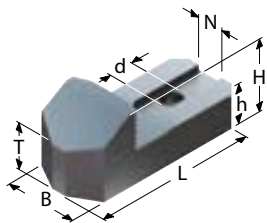


PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | Spanneinsatz Clamping insert | ID | B | B2 | H [mm] | L [mm] | T [mm] | G | m/Stück m/piece [kg] |
|---------------------------------|---------|---------------------------------|---------|----|-----|-----------|-----------|-----------|----|----------------------------|
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.2 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.6 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 1.8 |
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.2 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.6 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 1.8 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 1.8 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.2 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.4 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 145 | 83 | 104 | 40 | M6 | 2.5 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 1.8 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.2 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.4 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 145 | 83 | 104 | 40 | M6 | 2.5 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 95 | 88 | 115 | 40 | M6 | 2.6 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 130 | 88 | 115 | 40 | M6 | 2.8 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 152 | 88 | 118.5 | 40 | M6 | 3.1 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 180 | 88 | 118.5 | 40 | M6 | 4 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 95 | 88 | 115 | 40 | M6 | 2.6 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 130 | 88 | 115 | 40 | M6 | 2.8 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 180 | 88 | 118.5 | 40 | M6 | 4 |

Zangenbacken

- Hohe Genauigkeit durch stirnseitige Verzahnung
- Extrem steife Spannung
- Für Spitzverzahnung Zoll und metrisch
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Collet Jaws

- High precision due to frontal serration
- Extreme rigid clamping
- For fine serration inch and metric
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|---------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|------|
| ROTA NCD 160 ROTA NCD 165-46 | STD-W 160 | 0138250 | 12 | 30 | 32 | 74 | 25 | 16 | M8 | 0.86 | |
| ROTA NCD 185-54 | STD-W 185 | 0138254 | 17 | 35 | 44 | 87 | 34.2 | 21 | M12 | 1.25 | |
| ROTA NCD 210 ROTA NCD 215-66 | STD-W 210 | 0138251 | 17 | 38 | 44 | 98 | 30 | 21.5 | M12 | 1.98 | |
| ROTA NCD 250 ROTA NCD 255-86 | STD-W 250 | 0138252 | 17 | 48 | 48 | 116 | 30 | 23 | M12 | 3.37 | |
| ROTA NCD 315-115 | STD-W 315 | 0138253 | 17 | 48 | 48 | 139 | 30 | 23 | M12 | 4.35 | |



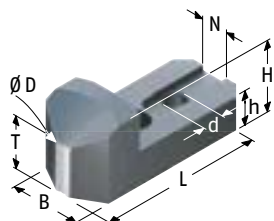
Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Zangenbacken

- Hohe Genauigkeit durch stirnseitige Verzahnung
- Extrem steife Spannung
- Für Spitzverzahnung Zoll und metrisch
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Collet Jaws

- High precision due to frontal serration
- Extreme rigid clamping
- For fine serration inch and metric
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | Schrauben Screws | m/Set [kg] |
|---------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|---------------|
| ROTA NCD 160 ROTA NCD 165-46 | STD-H 16-1 | 0138200 | 12 | 30 | 32 | 74.8 | 24 | 16 | M8 | 0.85 |
| | STD-H 16-2 | 0138201 | 12 | 30 | 32 | 73.1 | 24 | 16 | M8 | 0.82 |
| | STD-H 16-3 | 0138202 | 12 | 30 | 32 | 71.7 | 26 | 16 | M8 | 0.77 |
| | STD-H 16-4 | 0138203 | 12 | 30 | 32 | 70.5 | 27 | 16 | M8 | 0.75 |
| | STD-H 16-5 | 0138204 | 12 | 30 | 32 | 68.4 | 30 | 16 | M8 | 0.71 |
| | STD-H 16-6 | 0138205 | 12 | 30 | 32 | 66 | 30 | 16 | M8 | 0.66 |
| ROTA NCD 185-54 | STD-H 18-1 | 0138240 | 17 | 35 | 44 | 88.5 | 35.3 | 21 | M12 | 1.3 |
| | STD-H 18-2 | 0138241 | 17 | 35 | 44 | 86 | 35.3 | 21 | M12 | 1.15 |
| | STD-H 18-3 | 0138242 | 17 | 35 | 44 | 85 | 38.2 | 21 | M12 | 1.15 |
| | STD-H 18-4 | 0138243 | 17 | 35 | 44 | 84 | 38.2 | 21 | M12 | 1.1 |
| | STD-H 18-5 | 0138244 | 17 | 35 | 44 | 81 | 38.2 | 21 | M12 | 1.02 |
| | STD-H 18-6 | 0138245 | 17 | 35 | 44 | 78 | 38.2 | 21 | M12 | 0.94 |
| | STD-H 18-7 | 0138246 | 17 | 35 | 44 | 75 | 41.1 | 21 | M12 | 0.86 |
| ROTA NCD 210 ROTA NCD 215-66 | STD-H 20-1 | 0138210 | 17 | 38 | 44 | 98.9 | 32 | 21.5 | M12 | 2.03 |
| | STD-H 20-2 | 0138211 | 17 | 38 | 44 | 96.9 | 33 | 21.5 | M12 | 1.93 |
| | STD-H 20-3 | 0138212 | 17 | 38 | 44 | 94.3 | 36 | 21.5 | M12 | 1.87 |
| | STD-H 20-4 | 0138213 | 17 | 38 | 44 | 92.8 | 36 | 21.5 | M12 | 1.83 |
| | STD-H 20-5 | 0138214 | 17 | 38 | 44 | 89.9 | 39 | 21.5 | M12 | 1.74 |
| | STD-H 20-6 | 0138215 | 17 | 38 | 44 | 88.6 | 39 | 21.5 | M12 | 1.7 |
| | STD-H 20-7 | 0138216 | 17 | 38 | 44 | 85.7 | 39 | 21.5 | M12 | 1.59 |
| | STD-H 20-8 | 0138217 | 17 | 38 | 44 | 83.1 | 39 | 21.5 | M12 | 1.49 |
| | STD-H 20-9 | 0138218 | 17 | 38 | 44 | 81.8 | 39 | 21.5 | M12 | 1.43 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.

Zangenbacken

Collet Jaws

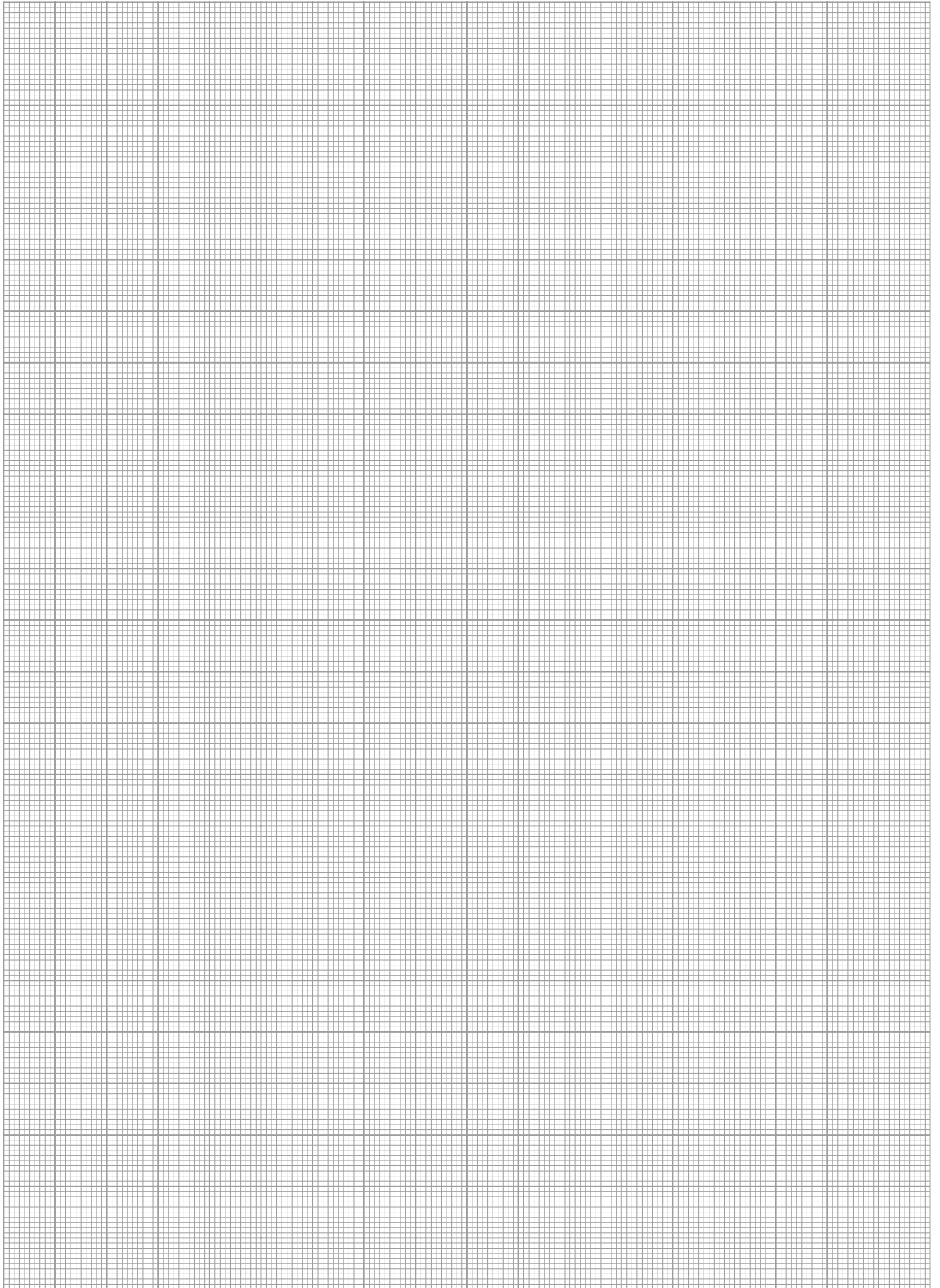
| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| ROTA NCD 250 ROTA NCD 255-86 | STD-H 25-1 | 0138220 | 17 | 48 | 48 | 115.7 | 33 | 23 | M12 | 3.33 |
| | STD-H 25-2 | 0138221 | 17 | 48 | 48 | 112.6 | 36 | 23 | M12 | 3.25 |
| | STD-H 25-3 | 0138222 | 17 | 48 | 48 | 109.5 | 36 | 23 | M12 | 3.1 |
| | STD-H 25-4 | 0138223 | 17 | 48 | 48 | 105 | 39 | 23 | M12 | 2.92 |
| | STD-H 25-5 | 0138224 | 17 | 48 | 48 | 100.8 | 42 | 23 | M12 | 2.73 |
| | STD-H 25-6 | 0138225 | 17 | 48 | 48 | 96.5 | 42 | 23 | M12 | 2.5 |
| | STD-H 25-7 | 0138226 | 17 | 48 | 48 | 93.3 | 45 | 23 | M12 | 2.36 |
| ROTA NCD 315-115 | STD-H 31-1 | 0138230 | 17 | 48 | 48 | 139 | 33 | 23 | M12 | 3.33 |
| | STD-H 31-2 | 0138231 | 17 | 48 | 48 | 135 | 36 | 23 | M12 | 3.25 |
| | STD-H 31-3 | 0138232 | 17 | 48 | 48 | 131 | 36 | 23 | M12 | 3.1 |
| | STD-H 31-4 | 0138233 | 17 | 48 | 48 | 127 | 39 | 23 | M12 | 2.92 |
| | STD-H 31-5 | 0138234 | 17 | 48 | 48 | 124 | 42 | 23 | M12 | 2.73 |
| | STD-H 31-6 | 0138235 | 17 | 48 | 48 | 120 | 42 | 23 | M12 | 2.5 |
| | STD-H 31-7 | 0138236 | 17 | 48 | 48 | 116.5 | 45 | 23 | M12 | 2.36 |
| | STD-H 31-8 | 0138237 | 17 | 48 | 48 | 113 | 45 | 23 | M12 | 2.2 |
| | STD-H 31-9 | 0138238 | 17 | 48 | 48 | 110 | 45 | 23 | M12 | 2.05 |
| | STD-H 31-10 | 0138239 | 17 | 48 | 48 | 106 | 45 | 23 | M12 | 1.9 |



Passende Nutensteine finden Sie ab Seite 138.



For suitable T-nuts see page 138.



BERG Spannbacken

BERG Chuck Jaws

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Fine Serration

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| Finished parts clamping | | | |
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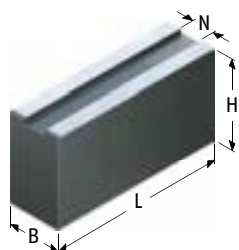
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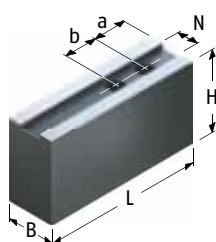
Available accessories from page 694

Spitzverzahnung 1/16" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1/16" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| HES/HESF 160 KF 160 HES/HESF 200 KF 200 KHFF 200 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| HES/HESF 250 KF 250 KHFF 250 HES/HESF 315 KF 315 KHFF 315 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |

Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

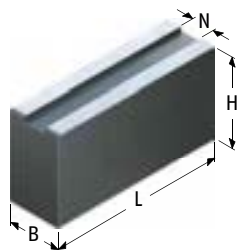
For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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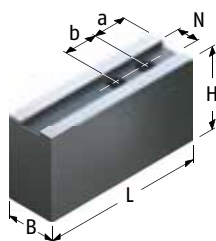
Backenrohlinge | Jaw Blanks

Spitzverzahnung 3/32" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 3/32" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| HES/HESF 400 KF 400 KHFF 400 HES/HESF 500 KF 500 HES/HESF 630 KF 630 | SBM 50 | 0112126 | 0113126 | 25.5 | 60 | 60 | 140 | 20 | 35 | M20 | 4 |
| | SBM 51 | 0112127 | 0113127 | 25.5 | 60 | 80 | 140 | 20 | 35 | M20 | 5 |
| | SBM 52 | 0112128 | 0113128 | 25.5 | 60 | 100 | 140 | 20 | 35 | M20 | 6.5 |
| | SBM 53 | 0112129 | 0113129 | 25.5 | 60 | 100 | 155 | 20 | 35 | M20 | 7.2 |
| | SBM 531 | 0112138 | 0113138 | 25.5 | 60 | 100 | 195 | 20 | 35 | M20 | 9.1 |
| | SBM 5312 | 0112130 | 0113130 | 25.5 | 60 | 120 | 155 | 20 | 35 | M20 | 8.7 |
| | SBM 5315 | 0112131 | 0113131 | 25.5 | 58 | 160 | 155 | 20 | 35 | M20 | 11.5 |
| | SBM 5320 | 0112132 | 0113132 | 25.5 | 58 | 200 | 155 | 20 | 35 | M20 | 14.2 |
| | SBM 57 | 0112134 | 0113134 | 25.5 | 80 | 80 | 155 | 20 | 35 | M20 | 7.2 |
| | SBM 58 | 0112135 | 0113135 | 25.5 | 100 | 100 | 155 | 20 | 35 | M20 | 11.6 |



Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



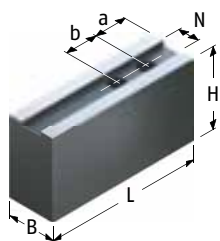
For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

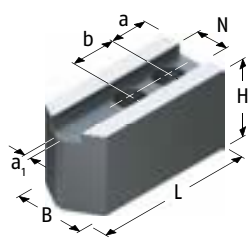
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsetzhärtbar

Fine serration 1/16" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1



Ausführung 2 | Version 2

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| KH 110 | SWB-FB 211 | 0120205 | 1 | 8 | 20 | 40 | 55 | | 11 | 14 | M9X1 | 0.8 |
| KF 130 | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | M8 | 1.2 |
| KH 140 | SWB-FB 232 | 0120200 | 2 | 10 | 30 | 45 | 70 | 4 | 13 | 19 | M10 | 1.7 |
| HES/HESF 160 KF 160 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | M12 | 3.1 |
| | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | M12 | 1.9 |
| KH 160 KHL 160 KV3 160 | SWB-FB 232 | 0120200 | 2 | 10 | 30 | 45 | 70 | 4 | 13 | 19 | M10 | 1.7 |
| KH 175 | SWB-FB 235 | 0120204 | 1 | 12 | 30 | 55.5 | 84 | | 18 | 21 | M12 | 2.6 |
| | SWB-FB 237 | 0120201 | 1 | 12 | 35 | 60 | 90 | | 14 | 21 | M12 | 3.7 |
| | SWB-FBL 237 | 0120209 | 2 | 12 | 35 | 60 | 95 | 4 | 14 | 21 | M12 | 3.7 |
| HES/HESF 200 KF 200 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| KH 200 | SWB-FB 235 | 0120204 | 1 | 12 | 30 | 55.5 | 84 | | 18 | 21 | M12 | 2.6 |
| | SWB-FB 237 | 0120201 | 1 | 12 | 35 | 60 | 90 | | 14 | 21 | M12 | 3.7 |
| | SWB-FBL 237 | 0120209 | 2 | 12 | 35 | 60 | 95 | 4 | 14 | 21 | M12 | 3.7 |
| KHFF 200 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| KV3 200 | SWB-FB 235 | 0120204 | 1 | 12 | 30 | 55.5 | 84 | | 18 | 21 | M12 | 2.6 |
| | SWB-FB 237 | 0120201 | 1 | 12 | 35 | 60 | 90 | | 14 | 21 | M12 | 3.7 |
| | SWB-FBL 237 | 0120209 | 2 | 12 | 35 | 60 | 95 | 4 | 14 | 21 | M12 | 3.7 |
| HES/HESF 250 KF 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |



Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.





For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| KH 250 | SWB-FB 240 | 0120202 | 1 | 16 | 40 | 60 | 111 | | 18 | 29 | M16 | 4.9 |
| | SWB-FB 241 | 0120207 | 1 | 16 | 40 | 80 | 111 | | 18 | 29 | M16 | 6.5 |
| | SWB-FBL 240 | 0120210 | 2 | 16 | 40 | 60 | 120 | 4 | 18 | 29 | M16 | 5 |
| KHFF 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KHL 250 KV3 250 | SWB-FB 240 | 0120202 | 1 | 16 | 40 | 60 | 111 | | 18 | 29 | M16 | 4.9 |
| | SWB-FB 241 | 0120207 | 1 | 16 | 40 | 80 | 111 | | 18 | 29 | M16 | 6.5 |
| | SWB-FBL 240 | 0120210 | 2 | 16 | 40 | 60 | 120 | 4 | 18 | 29 | M16 | 5 |
| HES/HESF 315 KF 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KH 315 | SWB-FB 240 | 0120202 | 1 | 16 | 40 | 60 | 111 | | 18 | 29 | M16 | 4.9 |
| | SWB-FB 241 | 0120207 | 1 | 16 | 40 | 80 | 111 | | 18 | 29 | M16 | 6.5 |
| | SWB-FBL 240 | 0120210 | 2 | 16 | 40 | 60 | 120 | 4 | 18 | 29 | M16 | 5 |
| KHFF 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KHL 315 KV3 315 | SWB-FB 240 | 0120202 | 1 | 16 | 40 | 60 | 111 | | 18 | 29 | M16 | 4.9 |
| | SWB-FB 241 | 0120207 | 1 | 16 | 40 | 80 | 111 | | 18 | 29 | M16 | 6.5 |
| | SWB-FBL 240 | 0120210 | 2 | 16 | 40 | 60 | 120 | 4 | 18 | 29 | M16 | 5 |

 Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

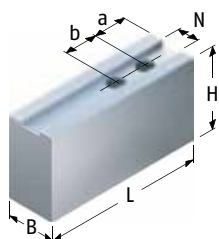
 For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KF 130 | SWB-AL 130 | 0168104 | 12 | 30 | 40 | 55 | 10 | 16 | M8 | 0.45 |
| KH 140 | FB-AL 140 | 0120550 | 10 | 25 | 50 | 70 | 13 | 19 | M10 | 0.58 |
| HES/HESF 160 KF 160 | SWB-AL 160 | 0168100 | 17 | 40 | 60 | 70 | 15 | 22 | M12 | 1.2 |
| KH 160 KHL 160 KV3 160 | FB-AL 140 | 0120550 | 10 | 25 | 50 | 70 | 13 | 19 | M10 | 0.58 |
| KH 175 | FB-AL 175 | 0120551 | 12 | 30 | 60 | 84 | 18 | 21 | M12 | 1.05 |
| HES/HESF 200 KF 200 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| KH 200 | FB-AL 175 | 0120551 | 12 | 30 | 60 | 84 | 18 | 21 | M12 | 1.05 |
| KHFF 200 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| KV3 200 | FB-AL 175 | 0120551 | 12 | 30 | 60 | 84 | 18 | 21 | M12 | 1.05 |
| HES/HESF 250 KF 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| KH 250 | FB-AL 250 | 0120552 | 16 | 40 | 60 | 111 | 18 | 29 | M16 | 1.85 |
| KHFF 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| KHL 250 KV3 250 | FB-AL 250 | 0120552 | 16 | 40 | 60 | 111 | 18 | 29 | M16 | 1.85 |
| HES/HESF 315 KF 315 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| KH 315 | FB-AL 250 | 0120552 | 16 | 40 | 60 | 111 | 18 | 29 | M16 | 1.85 |
| KHFF 315 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| KHL 315 KV3 315 | FB-AL 250 | 0120552 | 16 | 40 | 60 | 111 | 18 | 29 | M16 | 1.85 |

Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

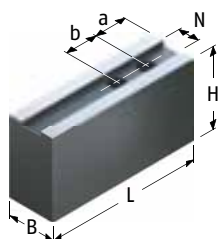
For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

BERG

Weiche Aufsatzbacken | Soft Top Jaws

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set | [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|----------------|------|
| HES/HESF 400 KF 400 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 | |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 | |
| KH 400 | SWB-FB 228 | 0120203 | 20 | 50 | 80 | 150 | 31 | 38 | M20 | 11 | |
| KHFF 400 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 | |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 | |
| KHL 400 KV3 400 | SWB-FB 228 | 0120203 | 20 | 50 | 80 | 150 | 31 | 38 | M20 | 11 | |
| HES/HESF 500 KF 500 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 | |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 | |
| KH 500 | SWB-FB 228 | 0120203 | 20 | 50 | 80 | 150 | 31 | 38 | M20 | 11 | |
| HES/HESF 630 KF 630 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 | |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 | |
| KH 630 | SWB-FB 228 | 0120203 | 20 | 50 | 80 | 150 | 31 | 38 | M20 | 11 | |

Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

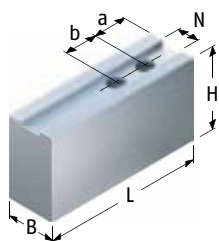
For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|------------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|------|
| HES/HESF 400 KF 400 KHFF 400 | SWB-AL 400 | 0168103 | 25.5 | 60 | 100 | 155 | 30 | 35 | M20 | 6.4 | |
| HES/HESF 500 KF 500 | | | | | | | | | | | |
| HES/HESF 630 KF 630 | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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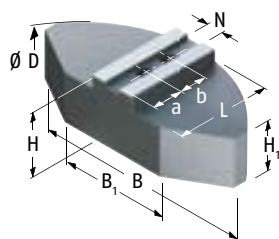
Weiche Segmentbacken | Soft Full Grip Jaws

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| HES/HESF 160 KF 160 | SWB-SM 160 | 0169100 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | M12 | 5.7 |
| KH 175 | FB-SM 175 | 0120951 | 12 | 120 | 50 | 175 | 60 | 50 | 60 | 24 | 21 | M12 | 6.4 |
| HES/HESF 200 KF 200 | SWB-SM 200 | 0169101 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | M12 | 10.8 |
| KH 200 | FB-SM 175 | 0120951 | 12 | 120 | 50 | 175 | 60 | 50 | 60 | 24 | 21 | M12 | 6.4 |
| KHFF 200 | SWB-SM 200 | 0169101 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | M12 | 10.8 |
| KV3 200 | FB-SM 175 | 0120951 | 12 | 120 | 50 | 175 | 60 | 50 | 60 | 24 | 21 | M12 | 6.4 |
| HES/HESF 250 KF 250 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| KH 250 | FB-SM 250 | 0120952 | 16 | 180 | 80 | 250 | 60 | 50 | 79 | 33 | 29 | M16 | 11.9 |
| KHFF 250 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| KHL 250 KV3 250 | FB-SM 250 | 0120952 | 16 | 180 | 80 | 250 | 60 | 50 | 79 | 33 | 29 | M16 | 11.9 |
| HES/HESF 315 KF 315 | SWB-SM 315 | 0169104 | 21 | 240 | 120 | 320 | 70 | 55 | 110 | 60 | 28 | M16 | 26.6 |
| KH 315 | FB-SM 250 | 0120952 | 16 | 180 | 80 | 250 | 60 | 50 | 79 | 33 | 29 | M16 | 11.9 |
| KHFF 315 | SWB-SM 315 | 0169104 | 21 | 240 | 120 | 320 | 70 | 55 | 110 | 60 | 28 | M16 | 26.6 |
| KHL 315 KV3 315 | FB-SM 250 | 0120952 | 16 | 180 | 80 | 250 | 60 | 50 | 79 | 33 | 29 | M16 | 11.9 |



Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



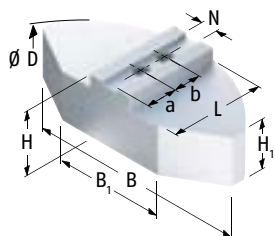
For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|---------------|
| HES/HESF 160 KF 160 | SWB-SA 160 | 0170100 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | M12 | 2.2 |
| KH 175 | FB-SA 175 | 0120901 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 24 | 21 | M12 | 2.2 |
| HES/HESF 200 KF 200 | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 |
| KH 200 | FB-SA 175 | 0120901 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 24 | 21 | M12 | 2.2 |
| KHFF 200 | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 |
| KV3 200 | FB-SA 175 | 0120901 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 24 | 21 | M12 | 2.2 |
| HES/HESF 250 KF 250 | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | M16 | 8.3 |
| KH 250 | FB-SA 250 | 0120902 | 16 | 180 | 70 | 250 | 58 | 48 | 87.5 | 43 | 29 | M16 | 4.8 |
| KHFF 250 | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | M16 | 8.3 |
| KHL 250 KV3 250 | FB-SA 250 | 0120902 | 16 | 180 | 70 | 250 | 58 | 48 | 87.5 | 43 | 29 | M16 | 4.8 |
| HES/HESF 315 KF 315 | SWB-SA 315 | 0170104 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 70 | 28 | M16 | 12 |
| KH 315 | FB-SA 250 | 0120902 | 16 | 180 | 70 | 250 | 58 | 48 | 87.5 | 43 | 29 | M16 | 4.8 |
| KHFF 315 | SWB-SA 315 | 0170104 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 70 | 28 | M16 | 12 |
| KHL 315 KV3 315 | FB-SA 250 | 0120902 | 16 | 180 | 70 | 250 | 58 | 48 | 87.5 | 43 | 29 | M16 | 4.8 |



Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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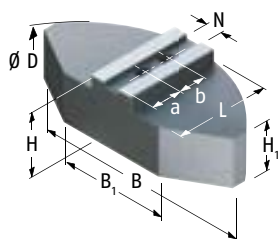
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|------------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HES/HESF 400 KF 400 KHFF 400 | | | | | | | | | | | | | |
| HES/HESF 500 KF 500 | SWB-SM 400 | 0169105 | 25.5 | 330 | 150 | 440 | 85 | 55 | 155 | 85 | 35 | M20 | 55.2 |
| HES/HESF 630 KF 630 | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

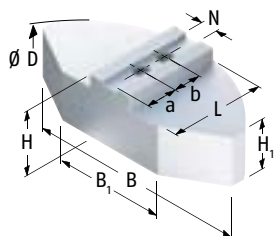
For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HES/HESF 400 KF 400 KHFF 400 | | | | | | | | | | | | | |
| HES/HESF 500 KF 500 HES/HESF 630 KF 630 | SWB-SA 400 | 0170105 | 25.5 | 330 | 150 | 440 | 98 | 68 | 160 | 85 | 35 | M20 | 26.2 |



Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



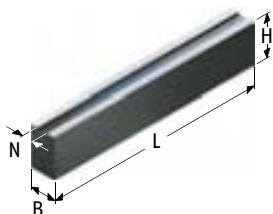
For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

BERG

Verzahnte Stangen | Serrated Bars

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KF 130 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| KH 140 | SBM-ST 100 | 0112150 | 10 | 35 | 60 | 420 | 6.7 |
| HES/HESF 160 KF 160 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KH 160 KHL 160 KV3 160 | SBM-ST 100 | 0112150 | 10 | 35 | 60 | 420 | 6.7 |
| KH 175 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| HES/HESF 200 KF 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KH 200 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| KHFF 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KV3 200 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| HES/HESF 250 KF 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KH 250 | SBM-ST 160 | 0112167 | 16 | 50 | 60 | 420 | 9.7 |
| | SBM-ST 161 | 0112168 | 16 | 40 | 80 | 420 | 10.2 |


Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.


For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KHFF 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KHL 250 KV3 250 | SBM-ST 160 | 0112167 | 16 | 50 | 60 | 420 | 9.7 |
| | SBM-ST 161 | 0112168 | 16 | 40 | 80 | 420 | 10.2 |
| HES/HESF 315 KF 315 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KH 315 | SBM-ST 160 | 0112167 | 16 | 50 | 60 | 420 | 9.7 |
| | SBM-ST 161 | 0112168 | 16 | 40 | 80 | 420 | 10.2 |
| KHFF 315 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KHL 315 KV3 315 | SBM-ST 160 | 0112167 | 16 | 50 | 60 | 420 | 9.7 |
| | SBM-ST 161 | 0112168 | 16 | 40 | 80 | 420 | 10.2 |

 Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

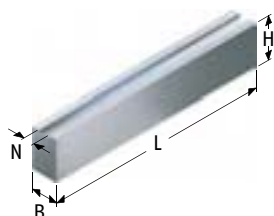
 For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

BERG

Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium



Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum

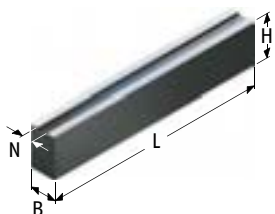
| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KF 130 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| HES/HESF 160 KF 160 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KH 175 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| HES/HESF 200 KF 200 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KH 200 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| KHFF 200 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KV3 200 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| HES/HESF 250 KF 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KH 250 | SBM-STA 160 | 0112169 | 16 | 40 | 60 | 420 | 2.8 |
| KHFF 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KHL 250 KV3 250 | SBM-STA 160 | 0112169 | 16 | 40 | 60 | 420 | 2.8 |
| HES/HESF 315 KF 315 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KH 315 | SBM-STA 160 | 0112169 | 16 | 40 | 60 | 420 | 2.8 |
| KHFF 315 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KHL 315 KV3 315 | SBM-STA 160 | 0112169 | 16 | 40 | 60 | 420 | 2.8 |

Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°


- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar




Fine serration 3/32" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| HES/HESF 400 KF 400 | SBM-ST 250 | 0112190 | 25.5 | 60 | 100 | 420 | 19.2 |
| KHFF 400 HES/HESF 500 KF 500 HES/HESF 630 KF 630 | SBM-ST 251 | 0112191 | 25.5 | 60 | 160 | 420 | 30.9 |

 Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

BERG

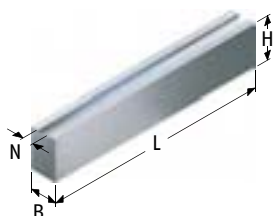
Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 3/32" x 90°


- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium


Fine serration 3/32" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



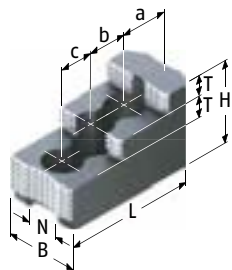
| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| HES/HESF 400 KF 400 KHFF 400 HES/HESF 500 KF 500 HES/HESF 630 KF 630 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |

 Passende Nutensteine finden Sie ab Seite 213.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

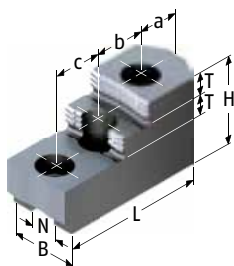
 For suitable T-nuts see page 213.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Fine serration 1/16" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KF 130 | SHB 130 | 0121100 | 1 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| KH 140 | HB 232 | 0121152 | 2 | 10 | 25 | 38 | 66 | 6.5 | 17 | 19 | 17 | M10 | 0.7 |
| HES/HESF 160 | SHB 175 | 0121103 | 1 | 17 | 35 | 44 | 64.7 | 10 | 28 | 19 | | M12 | 1.2 |
| KF 160 | SHB 200 | 0121104 | 1 | 17 | 40 | 49 | 72.5 | 12 | 18 | 19 | 19 | M12 | 1.6 |
| KH 160 | HB 232 | 0121152 | 2 | 10 | 25 | 38 | 66 | 6.5 | 17 | 19 | 17 | M10 | 0.7 |
| KHL 160 | | | | | | | | | | | | | |
| KV3 160 | | | | | | | | | | | | | |
| KH 175 | HB 237 | 0121153 | 2 | 12 | 30 | 44 | 79 | 8 | 23 | 21 | 21 | M12 | 1.3 |
| HES/HESF 200 | SHB 210 | 0121102 | 1 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| KF 200 | | | | | | | | | | | | | |
| KH 200 | HB 237 | 0121153 | 2 | 12 | 30 | 44 | 79 | 8 | 23 | 21 | 21 | M12 | 1.3 |
| KHFF 200 | SHB 210 | 0121102 | 1 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| KV3 200 | HB 237 | 0121153 | 2 | 12 | 30 | 44 | 79 | 8 | 23 | 21 | 21 | M12 | 1.3 |
| HES/HESF 250 | SHB 250 | 0121105 | 1 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| KF 250 | | | | | | | | | | | | | |
| KH 250 | HB 240 | 0121154 | 2 | 16 | 40 | 60 | 112 | 12 | 33 | 29 | 29 | M16 | 2.8 |
| KHFF 250 | SHB 250 | 0121105 | 1 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| KHL 250 | HB 240 | 0121154 | 2 | 16 | 40 | 60 | 112 | 12 | 33 | 29 | 29 | M16 | 2.8 |
| KV3 250 | | | | | | | | | | | | | |
| HES/HESF 315 | SHB 315 | 0121111 | 2 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| KF 315 | | | | | | | | | | | | | |
| KH 315 | HB 240 | 0121154 | 2 | 16 | 40 | 60 | 112 | 12 | 33 | 29 | 29 | M16 | 2.8 |
| KHFF 315 | SHB 315 | 0121111 | 2 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| KHL 315 | HB 240 | 0121154 | 2 | 16 | 40 | 60 | 112 | 12 | 33 | 29 | 29 | M16 | 2.8 |
| KV3 315 | | | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 213.



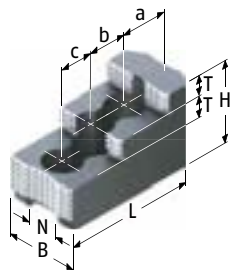
For suitable T-nuts see page 213.

BERG

Harte Stufenaufsatzbacken | Hard Stepped Top Jaws

Spitzverzahnung 3/32" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|------------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| HES/HESF 400 KF 400 KHFF 400 | SHB 400 | 0121107 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| HES/HESF 500 KF 500 | | | | | | | | | | | | |
| HES/HESF 630 KF 630 | | | | | | | | | | | | |
| | | | | | | | | | | | | |



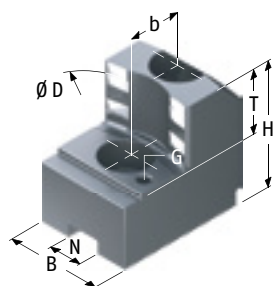
Passende Nutensteine finden Sie ab Seite 213.



For suitable T-nuts see page 213.

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HES/HESF 160 | 28 - 47 | 161 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 42 - 66 | 161 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 64 - 88 | 161 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 82 - 106 | 166 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 104 - 128 | 186 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KF 160 | 27 - 43 | 157 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 38 - 62 | 157 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 61 - 84 | 157 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 78 - 102 | 162 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 100 - 124 | 182 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KH 175 | 38 - 56 | 184 | HGKHA 170 | 0122203 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 52 - 71 | 184 | HGKHA 171 | 0122204 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 73 - 93 | 184 | HGKHA 172 | 0122205 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 95 - 115 | 184 | HGKHA 173 | 0122206 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.4 |
| | 117 - 137 | 184 | HGKHA 174 | 0122220 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 139 - 159 | 204 | HGKHA 175 | 0122221 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 159 - 178 | 224 | HGKHA 176 | 0122225 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.9 |
| HES/HESF 200 | 30 - 54 | 202 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 45 - 82 | 202 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 74 - 111 | 202 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 101 - 138 | 204 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 131 - 169 | 228 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KF 200 | 29 - 54 | 202 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 38 - 82 | 202 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 60 - 111 | 202 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 90 - 138 | 204 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 110 - 169 | 228 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |


Passende Nutensteine finden Sie ab Seite 213.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.


For suitable T-nuts see page 213.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KH 200 | 52 - 81 | 209 | HGKHA 170 | 0122203 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 66 - 95 | 209 | HGKHA 171 | 0122204 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 88 - 117 | 209 | HGKHA 172 | 0122205 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 110 - 139 | 209 | HGKHA 170 | 0122206 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.4 |
| | 132 - 161 | 209 | HGKHA 174 | 0122220 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 154 - 184 | 229 | HGKHA 175 | 0122221 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 174 - 203 | 249 | HGKHA 176 | 0122225 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.9 |
| KHFF 200 | 30 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 45 - 88 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 73 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 100 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 130 - 175 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KHL 200 | 52 - 81 | 209 | HGKHA 170 | 0122203 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 66 - 95 | 209 | HGKHA 171 | 0122204 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 88 - 117 | 209 | HGKHA 172 | 0122205 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 110 - 139 | 209 | HGKHA 170 | 0122206 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.4 |
| | 132 - 161 | 209 | HGKHA 174 | 0122220 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 154 - 184 | 229 | HGKHA 175 | 0122221 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 174 - 203 | 249 | HGKHA 176 | 0122225 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.9 |
| KV3 200 | 50 - 82 | 211 | HGKHA 170 | 0122203 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 63 - 97 | 211 | HGKHA 171 | 0122204 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 85 - 119 | 211 | HGKHA 172 | 0122205 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 107 - 141 | 211 | HGKHA 173 | 0122206 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.4 |
| | 129 - 163 | 211 | HGKHA 174 | 0122220 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.3 |
| | 151 - 185 | 231 | HGKHA 175 | 0122221 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.6 |
| | 171 - 205 | 251 | HGKHA 176 | 0122225 | 12 | 35 | 50 | 20 | M6 | 21 | M12 | 1.9 |
| HES/HESF 250 | 38 - 86 | 254 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 74 - 126 | 254 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 123 - 176 | 256 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 170 - 223 | 293 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KF 250 | 38 - 85 | 252 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 65 - 124 | 252 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 104 - 174 | 254 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 144 - 221 | 291 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KH 250 | 47 - 100 | 323 | HGKHA 250 | 0122211 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 4.2 |
| | 94 - 121 | 266 | HGKHA 251 | 0122212 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.9 |
| | 128 - 155 | 266 | HGKHA 252 | 0122213 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.7 |
| | 162 - 190 | 266 | HGKHA 253 | 0122214 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| | 196 - 224 | 286 | HGKHA 254 | 0122223 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |



 Passende Nutensteine finden Sie ab Seite 213.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



 For suitable T-nuts see page 213.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

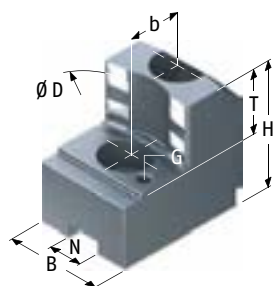
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KHFF 250 | 39 - 86 | 254 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 78 - 126 | 254 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 127 - 176 | 256 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 174 - 223 | 293 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KHL 250 | 47 - 100 | 323 | HGKHA 250 | 0122211 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 4.2 |
| | 94 - 121 | 266 | HGKHA 251 | 0122212 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.9 |
| | 128 - 155 | 266 | HGKHA 252 | 0122213 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.7 |
| | 162 - 190 | 266 | HGKHA 253 | 0122214 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| | 196 - 224 | 286 | HGKHA 254 | 0122223 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| KV3 250 | 47 - 103 | 326 | HGKHA 250 | 0122211 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 4.2 |
| | 93 - 124 | 269 | HGKHA 251 | 0122212 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.9 |
| | 127 - 158 | 269 | HGKHA 252 | 0122213 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.7 |
| | 161 - 193 | 269 | HGKHA 253 | 0122214 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| | 195 - 227 | 289 | HGKHA 254 | 0122223 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| HES/HESF 315 | 44 - 129 | 312 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 100 - 187 | 331 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 165 - 253 | 329 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 229 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KF 315 | 44 - 126 | 327 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 64 - 184 | 328 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 118 - 250 | 326 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 173 - 314 | 386 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KH 315 | 49 - 163 | 388 | HGKHA 250 | 0122211 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 4.2 |
| | 120 - 184 | 330 | HGKHA 251 | 0122212 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.9 |
| | 154 - 219 | 330 | HGKHA 252 | 0122213 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.7 |
| | 189 - 254 | 330 | HGKHA 253 | 0122214 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| | 223 - 288 | 350 | HGKHA 254 | 0122223 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| KHFF 315 | 44 - 128 | 329 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 94 - 186 | 330 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 158 - 252 | 328 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 222 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KHL 315 | 49 - 163 | 388 | HGKHA 250 | 0122211 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 4.2 |
| | 120 - 184 | 330 | HGKHA 251 | 0122212 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.9 |
| | 154 - 219 | 330 | HGKHA 252 | 0122213 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.7 |
| | 189 - 254 | 330 | HGKHA 253 | 0122214 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| | 223 - 288 | 350 | HGKHA 254 | 0122223 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| KV3 315 | 47 - 166 | 391 | HGKHA 250 | 0122211 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 4.2 |
| | 119 - 187 | 333 | HGKHA 251 | 0122212 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.9 |
| | 153 - 222 | 333 | HGKHA 252 | 0122213 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.7 |
| | 187 - 257 | 333 | HGKHA 253 | 0122214 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |
| | 221 - 291 | 353 | HGKHA 254 | 0122223 | 16 | 45 | 60 | 22 | M6 | 29 | M16 | 2.8 |

 Passende Nutensteine finden Sie ab Seite 213.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 213.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

BERGHarte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping***Spitzverzahnung 3/32" x 90°**

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet

**Fine serration 3/32" x 90°**

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HES/HESF 400 | 67 - 157 | 421 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 141 - 232 | 457 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 224 - 316 | 437 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 295 - 387 | 482 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KF 400 | 54 - 156 | 420 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 102 - 231 | 456 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 184 - 315 | 436 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 254 - 386 | 481 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KHFF 400 | 57 - 159 | 423 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 131 - 234 | 459 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 213 - 318 | 439 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 284 - 389 | 484 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| HES/HESF 500 | 70 - 232 | 577 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 162 - 332 | 558 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 245 - 416 | 538 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 316 - 488 | 582 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 395 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KF 500 | 70 - 232 | 577 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 142 - 332 | 558 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 225 - 416 | 538 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 296 - 488 | 582 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 375 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| HES/HESF 630 | 102 - 365 | 710 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 200 - 465 | 692 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 285 - 550 | 672 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 356 - 621 | 715 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 435 - 650 | 749 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |

Passende Nutensteine finden Sie ab Seite 213.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 213.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KF 630 | 70 - 365 | 710 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 142 - 465 | 692 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 225 - 550 | 672 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 296 - 621 | 715 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 375 - 650 | 749 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |



Passende Nutensteine finden Sie ab Seite 213.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



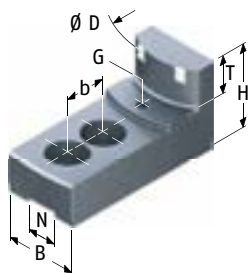
For suitable T-nuts see page 213.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

BERG

Harte Krallenbacken für Innenspannung | Hard Claw Jaws for I.D.-Clamping

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

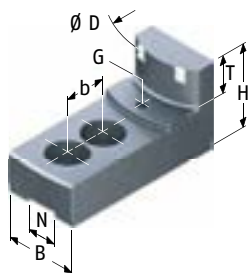
| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| HES/HESF 200 | 58 - 89 | 201 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 80 - 117 | 201 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 111 - 148 | 201 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KF 200 | 58 - 89 | 201 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 117 | 201 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 91 - 148 | 201 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KHFF 200 | 58 - 94 | 207 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 79 - 123 | 207 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 110 - 154 | 207 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| HES/HESF 250 | 78 - 114 | 259 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 104 - 155 | 261 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 149 - 201 | 261 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KF 250 | 78 - 112 | 257 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 154 | 259 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 135 - 199 | 259 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KHFF 250 | 78 - 114 | 259 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 108 - 155 | 261 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 153 - 201 | 261 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| HES/HESF 315 | 78 - 150 | 336 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 204 | 328 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 191 - 278 | 328 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KF 315 | 78 - 147 | 333 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 201 | 325 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 275 | 325 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KHFF 315 | 78 - 150 | 336 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 204 | 328 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 184 - 278 | 328 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |

Passende Nutensteine finden Sie ab Seite 213.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 213.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| HES/HESF 400 | 98 - 183 | 410 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 173 - 263 | 438 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 251 - 342 | 438 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 314 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KF 400 | 98 - 182 | 409 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 149 - 262 | 437 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 211 - 341 | 437 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 274 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KHFF 400 | 98 - 185 | 412 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 163 - 265 | 440 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 240 - 344 | 440 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 303 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |

Passende Nutensteine finden Sie ab Seite 213.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 213.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

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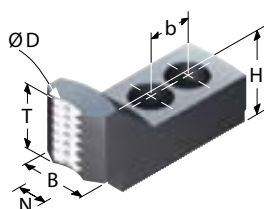
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HES/HESF 160 | 13 - 26 | 164 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KF 160 | 13 - 22 | 160 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| HES/HESF 200 | 13 - 40 | 202 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KF 200 | 13 - 40 | 202 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KHFF 200 | 15 - 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| HES/HESF 250 | 18 - 56 | 256 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KF 250 | 20 - 54 | 254 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KHFF 250 | 20 - 55 | 256 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| HES/HESF 315 | 25 - 91 | 331 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KF 315 | 25 - 88 | 328 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KHFF 315 | 30 - 90 | 330 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |



Passende Nutensteine finden Sie ab Seite 213.



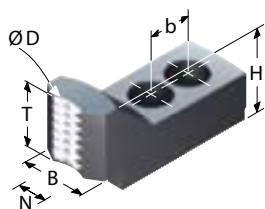
For suitable T-nuts see page 213.

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HES/HESF 400 | 35 - 100 | 437 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KF 400 | 35 - 99 | 436 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KHFF 400 | 35 - 102 | 439 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| HES/HESF 500 | 35 - 200 | 538 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KF 500 | 35 - 200 | 538 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| HES/HESF 630 | 70 - 333 | 672 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KF 630 | 35 - 333 | 672 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |



Passende Nutensteine finden Sie ab Seite 213.



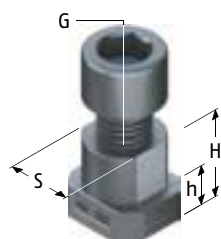
For suitable T-nuts see page 213.

BERG

Nutensteine | T-Nuts

Einzel-Nutensteine

- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



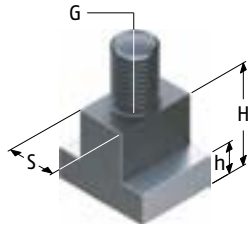
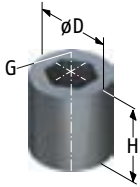
Single T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | S [mm] | H [mm] | h [mm] | G | Zyl.-Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----|------------------------------------|---|
| KF 130 | NS 80 | 0140100 | 12 | 17.2 | 7 | M8 | M8x22 | 30 |
| HES/HESF 160 KF 160 | NS 123 | 0141100 | 17 | 22 | 9 | M12 | M12x30 | 70 |
| HES/HESF 200 KF 200 KHFF 200 | | | | | | | | |
| HES/HESF 250 KF 250 KHFF 250 | NS 162 | 0141101 | 21 | 27 | 10 | M16 | M16x35 | 150 |
| HES/HESF 315 KF 315 KHFF 315 | | | | | | | | |
| HES/HESF 400 KF 400 | | | | | | | | |
| KHFF 400 | NS 201 | 0142103 | 25.5 | 33.7 | 15.5 | M20 | M20x45 | 300 |
| HES/HESF 500 KF 500 HES/HESF 630 KF 630 | NS 202 | 0141102 | 25.5 | 35.5 | 16 | M20 | M20x50 | 300 |

T-Nutenschraube und Überwurfmutter Typ TM/TS

- Bei TS und TM handelt es sich um ein 2-teiliges System bestehend aus T-Nutenschraube und Überwurfmutter
- Beide Teile sind separat erhältlich und müssen einzeln bestellt werden



T-Slot Bolt and Cap Nut Type TM/TS

- TS and TM is a two-piece system consisting of a T-slot and a cap nut
- Both components are separately available and have to be ordered separately

Ausführung 1 | Version 1

Ausführung 2 | Version 2

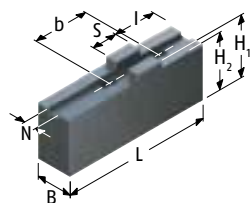
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | H [mm] | h [mm] | G | D [mm] | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|------|-----------|---|
| KH 110 | TM 9 | 0148115 | 1 | | 13 | | M9X1 | 13 | 45 |
| | TS 9 | 0148105 | 2 | 8 | 17.3 | 7 | M9X1 | | 45 |
| KH 140 KH 160 KHL 160 KV3 160 | TM 10 | 0148116 | 1 | | 16 | | M10 | 16 | 60 |
| | TS 10 | 0148106 | 2 | 10 | 20.3 | 9.3 | M10 | | 60 |
| KH 175 KH 200 KHL 200 KV3 200 | TM 12 | 0148117 | 1 | | 19 | | M12 | 17.8 | 100 |
| | TS 12 | 0148107 | 2 | 12 | 23.2 | 9 | M12 | | 100 |
| KH 250 KHL 250 KV3 250 KH 315 KHL 315 KV3 315 | TM 16 | 0148118 | 1 | | 25 | | M16 | 24.5 | 250 |
| | TS 16 | 0148108 | 2 | 16 | 26.7 | 12 | M16 | | 250 |
| KH 400 KHL 400 KV3 400 KH 500 KH 630 | TM 20 | 0148119 | 1 | | 32 | | M20 | 32 | 300 |
| | TS 20 | 0148109 | 2 | 20 | 32.7 | 16 | M20 | | 300 |

BERG

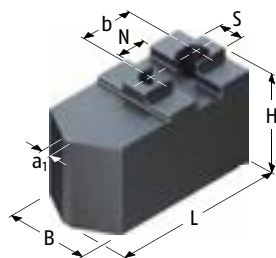
Weiche Aufsatzbacken | Soft Top Jaws

Metrischer Kreuzversatz

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Metric tongue and groove

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|---------------------|-----------------|------|
| GFK 2/157 GFK 3/157 KF 3/160 KFN 2/160 | SRK 160 | 0136105 | 2 | 10 | 16 | 40 | 60 | | | 76 | | 4 | 25 | M12 | 2.9 | |
| KHNC 160 KHNC 185 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 | |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 | |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 | |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 | |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 | |
| GFK 2/187 GFK 3/187 KF 3/200 KFN 2/200 | SRK 200 | 0136106 | 2 | 12 | 16 | 40 | 60 | | | 94 | | 8 | 30 | M12 | 3.9 | |
| KHNC 200 | SFA 200 | 0153101 | 1 | 10 | 20 | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 | |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 | |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 | |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 | |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 | |
| | SFA 200-C5 | 0154132 | 1 | 10 | 20 | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 | |
| KF 3/250 KFN 2/250 | SRK 250 | 0136107 | 2 | 16 | 20 | 50 | 80 | | | 117 | | 12 | 40 | M16 | 8.2 | |
| KHNC 250 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 | |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 | |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 | |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 | |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 | |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 | |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 | |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 | |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 | |
| GFK 2/280 GFK 3/280 | SRK 250 | 0136107 | 2 | 16 | 20 | 50 | 80 | | | 117 | | 12 | 40 | M16 | 8.2 | |



Passende Grundbacken finden Sie ab Seite 224.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 224.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|---------------------|-------------------------|
| KHNC 315 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| KHNC 400 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| KHNC 500 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |



Passende Grundbacken finden Sie ab Seite 224.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



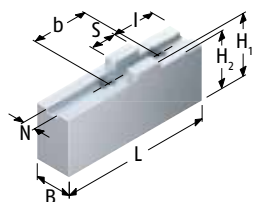
For suitable base jaw see page 224.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

BERG

Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Metrischer Kreuzversatz

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium



Metric tongue and groove

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Aluminum*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KHNC 160 KHNC 185 | SFA-AL 160 | 0172100 | 8 | 18 | 25 | 50 | 46 | 85 | 25 | 32 | M8 | 0.7 |
| KHNC 200 | SFA-AL 200 | 0172102 | 10 | 20 | 25 | 50 | 46 | 105 | 35 | 40 | M8 | 0.9 |
| KHNC 250 KHNC 315 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| KHNC 400 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| KHNC 500 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |



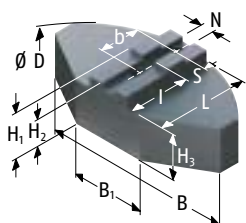
Passende Grundbacken finden Sie ab Seite 224.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



*For suitable base jaw see page 224.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".*

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KHNC 160 KHNC 185 | SFA-SM 160 | 0173100 | 8 | 18 | 120 | 40 | 160 | 50 | 46 | 40 | 60 | 23 | 32 | M8 | 4.8 |
| KHNC 200 | SFA-SM 200 | 0173101 | 10 | 20 | 140 | 64 | 200 | 60 | 56 | 50 | 70 | 27 | 40 | M8 | 9 |
| | SFA-SM 201 | 0173105 | 10 | 20 | 140 | 64 | 200 | 80 | 76 | 70 | 70 | 27 | 40 | M8 | 12.5 |
| KHNC 250 KHNC 315 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| KHNC 400 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| KHNC 500 | SFA-SM 400 | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |



Passende Grundbacken finden Sie ab Seite 224.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 224.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

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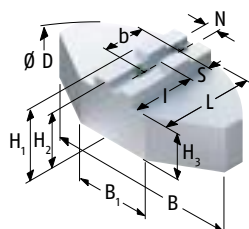
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminium*

Metrischer Kreuzversatz


- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium


Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



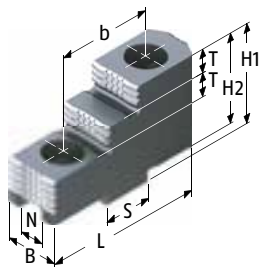
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KHNC 160 KHNC 185 | SFA-SA 160 | 0174100 | 8 | 18 | 120 | 40 | 165 | 50 | 46 | 40 | 59.5 | 23 | 32 | M8 | 1.8 |
| KHNC 200 | SFA-SA 200 | 0174101 | 10 | 20 | 140 | 50 | 200 | 58 | 54 | 48 | 72.5 | 32 | 40 | M8 | 3.5 |
| | SFA-SA 201 | 0174105 | 10 | 20 | 140 | 50 | 200 | 80 | 76 | 70 | 72.5 | 32 | 40 | M8 | 4.7 |
| KHNC 250 KHNC 315 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| KHNC 400 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| KHNC 500 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |

 Passende Grundbacken finden Sie ab Seite 224.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

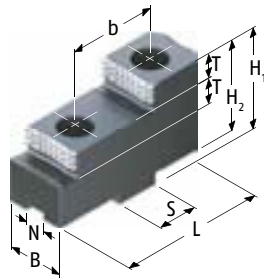
 *For suitable base jaw see page 224.*
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Metric tongue and groove

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KHNC 160 KHNC 185 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| KHNC 200 | SHF 200 | 0155101 | 1 | 10 | 20 | 22 | 42 | 38 | 71.7 | 10 | 40 | M8 | 0.8 |
| KHNC 250 KHNC 315 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| KHNC 400 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| KHNC 500 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |



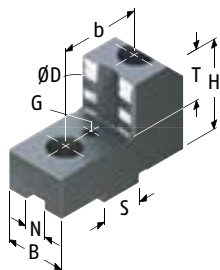
Passende Grundbacken finden Sie ab Seite 224.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



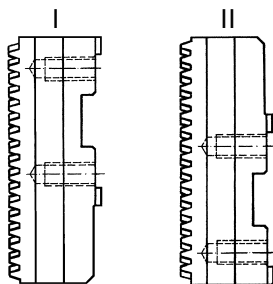
For suitable base jaw see page 224.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

BERGHarte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping***Metrischer Kreuzversatz**

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1

Grundbackenstellung
*Position of base jaws***Metric tongue and groove**

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KHNC 160 | 40 – 85 | 207 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 59 – 105 | 196 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 88 – 133 | 214 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 110 – 156 | 217 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KHNC 185 | 55 – 101 | 222 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 102 – 148 | 229 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 125 – 171 | 232 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 153 – 199 | 261 | I | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KHNC 200 | 35 – 62 | 229 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 64 – 84 | 213 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 110 – 137 | 229 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 145 – 172 | 234 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KHNC 250 | 31 – 64 | 275 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 75 – 120 | 275 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 119 – 154 | 275 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 180 – 227 | 301 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KHNC 315 | 31 – 110 | 322 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 75 – 167 | 322 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 119 – 201 | 359 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 180 – 274 | 349 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KHNC 400 | 44 – 108 | 375 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 87 – 183 | 373 | I | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 119 – 216 | 375 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 195 – 292 | 380 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| KHNC 500 | 50 – 269 | 610 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 231 – 485 | 605 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |



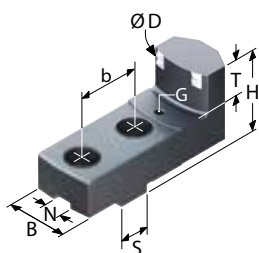
Passende Grundbacken finden Sie ab Seite 224.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



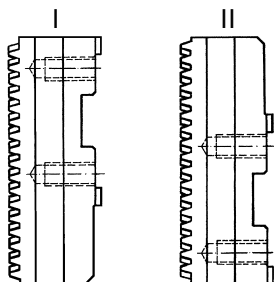
For suitable base jaw see page 224.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | *Version 1*



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KHNC 160 | 47 – 85 | 206 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 72 – 116 | 195 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 100 – 145 | 206 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KHNC 185 | 55 – 100 | 222 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 86 – 131 | 210 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 115 – 160 | 222 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KHNC 200 | 54 – 76 | 228 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 – 92 | 212 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 119 – 145 | 228 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KHNC 250 | 96 – 111 | 284 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 – 158 | 274 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 184 – 230 | 284 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KHNC 315 | 69 – 159 | 331 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 – 205 | 321 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 184 – 278 | 332 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KHNC 400 | 93 – 180 | 372 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 117 – 213 | 374 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 192 – 289 | 372 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KHNC 500 | 103 – 300 | 609 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 250 – 504 | 604 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |

Passende Grundbacken finden Sie ab Seite 224.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable base jaw see page 224.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

BERG

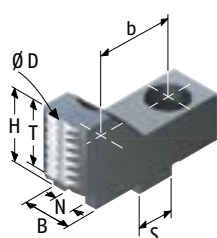
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Metrischer Kreuzversatz

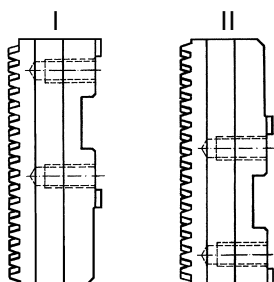
- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Grundba- ckenstel- lung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| KHNC 160 | 10 – 47 | 196 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| KHNC 185 | 17 – 62 | 211 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| KHNC 200 | 10 – 35 | 213 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KHNC 250 | 14 – 46 | 275 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KHNC 315 | 13 – 93 | 322 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KHNC 400 | 20 – 92 | 375 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |



Passende Grundbacken finden Sie ab Seite 224.



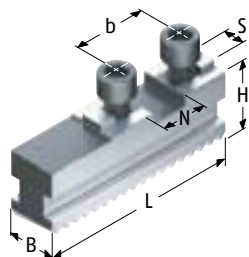
For suitable base jaw see page 224.

Gerade Verzahnung

- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben

Straight serration

- *Base Jaws for Top Jaws*
- *Hardened and precision ground*
- *Delivery unit: 1 set = 3 pieces*
- *Including screws*




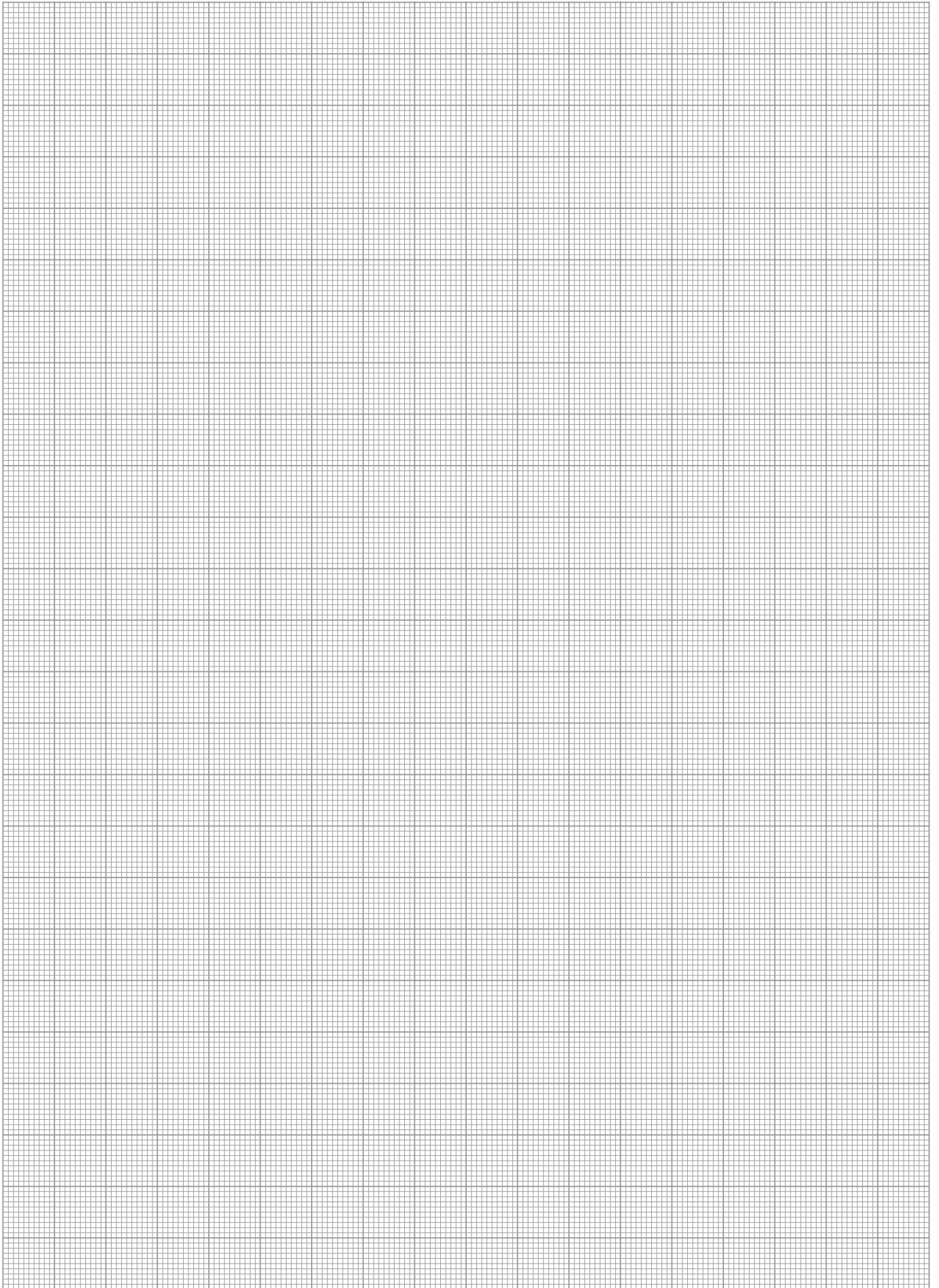
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Aufnahme | N [mm] | S [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|---------------------------------|-----------------------------------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|------|
| KHNC 160 KHNC 185 | GB 160 | 0159500 | MT* | 18 | 8 | 20 | 29.5 | 74 | 32 | M8 | 0.75 | |
| KHNC 200 | GB 200 | 0159502 | MT* | 20 | 10 | 22 | 35 | 90 | 40 | M8 | 1.21 | |
| KHNC 250 KHNC 315 | GB 250 | 0159503 | MT* | 20 | 12 | 26 | 40 | 110 | 40 | M12 | 1.95 | |
| KHNC 400 | GB 400 | 0159505 | MT* | 26 | 12 | 32 | 46 | 125 | 54 | M12 | 3.05 | |

* MT = Metrischer Kreuzversatz

* MT = Metric tongue and groove

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

 For suitable jaw mounting spare screws see catalog chapter "Accessories".



FORKARDT Spannbacken

FORKARDT Chuck Jaws

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|-------------------------|---------------|-----|
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|---------------------------------------|--|-----|
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|--------------------------|---------------|-----|
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|-------------------------|---------------|-----|
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| Quentes | O.D. clamping | 307 |
| Block jaws | | 308 |
| Hard Stepped Block Jaws | O.D. clamping | 309 |
| | I.D. clamping | 309 |

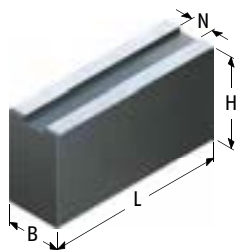
Available accessories from page 694

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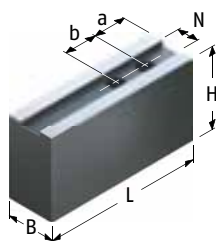
Backenrohlinge | Jaw Blanks

Spitzverzahnung 1/16" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1/16" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| KGH/KGHF 160 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| KL 160 | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| KS 160 | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| KSH 160 | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| KSPS 160 | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| KT 160 | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| KTH 160 | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| NH/NHF 160 | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| QLC/QLK 160 | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| UVE 160 | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| KGH/KGHF 175 | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| KSF 175 | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| KTH 175 | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| NH/NHF 175 | | | | | | | | | | | |
| QLC/QLK 175 | | | | | | | | | | | |
| KG 200 | | | | | | | | | | | |
| KGH/KGHF 200 | | | | | | | | | | | |
| KL 200 | | | | | | | | | | | |
| KLNC 200 | | | | | | | | | | | |
| KP 200 | | | | | | | | | | | |
| KS 200 | | | | | | | | | | | |
| KSF 200 | | | | | | | | | | | |
| KSH 200 | | | | | | | | | | | |
| KSHF 200 | | | | | | | | | | | |
| KSPS 200 | | | | | | | | | | | |
| KT/KTGF 200 | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| KTH 200 | | | | | | | | | | | |
| NH/NHF 200 | | | | | | | | | | | |
| QLC/QLK 200 | | | | | | | | | | | |
| QLC-KS/QLK-KS 200 | | | | | | | | | | | |
| UVE 200 | | | | | | | | | | | |


Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.


For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| 2 BLE 200 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |
| KS 250 NHF 250-17 ²⁰⁾ QLC-KS/QLK-KS 250 UVE 250 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |

 Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

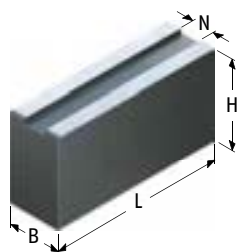
 For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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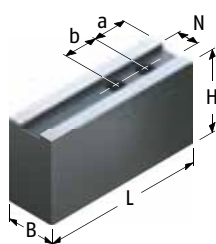
Backenrohlinge | Jaw Blanks

Spitzverzahnung 3/32" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 3/32" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| KG 400 | SBM 50 | 0112126 | 0113126 | 25.5 | 60 | 60 | 140 | 20 | 35 | M20 | 4 |
| KL 400 | SBM 51 | 0112127 | 0113127 | 25.5 | 60 | 80 | 140 | 20 | 35 | M20 | 5 |
| KLNC 400 | SBM 52 | 0112128 | 0113128 | 25.5 | 60 | 100 | 140 | 20 | 35 | M20 | 6.5 |
| KP 400 | SBM 53 | 0112129 | 0113129 | 25.5 | 60 | 100 | 155 | 20 | 35 | M20 | 7.2 |
| KSPS 400 | SBM 531 | 0112138 | 0113138 | 25.5 | 60 | 100 | 195 | 20 | 35 | M20 | 9.1 |
| KT/KTGF 400 | SBM 5312 | 0112130 | 0113130 | 25.5 | 60 | 120 | 155 | 20 | 35 | M20 | 8.7 |
| NH/NHF 400 | SBM 5315 | 0112131 | 0113131 | 25.5 | 58 | 160 | 155 | 20 | 35 | M20 | 11.5 |
| QLC/QLK 400 | SBM 5320 | 0112132 | 0113132 | 25.5 | 58 | 200 | 155 | 20 | 35 | M20 | 14.2 |
| UVE 400 | SBM 57 | 0112134 | 0113134 | 25.5 | 80 | 80 | 155 | 20 | 35 | M20 | 7.2 |
| KG 500 | | | | | | | | | | | |
| KL 500 | | | | | | | | | | | |
| KLNC 500 | | | | | | | | | | | |
| KP 500 | | | | | | | | | | | |
| KS 500 | | | | | | | | | | | |
| KSH 500 | | | | | | | | | | | |
| NH /NHF500 | | | | | | | | | | | |
| UVE 500 | | | | | | | | | | | |
| KS 630 | SBM 58 | 0112135 | 0113135 | 25.5 | 100 | 100 | 155 | 20 | 35 | M20 | 11.6 |
| KSHF 630 | | | | | | | | | | | |
| KS-L 630 | | | | | | | | | | | |
| KT/KTGF 630 | | | | | | | | | | | |
| NH/NHF 630 | | | | | | | | | | | |
| UVE 800 | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

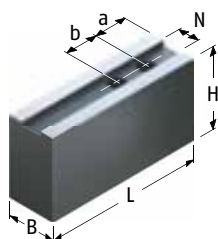
Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1/16" x 90°

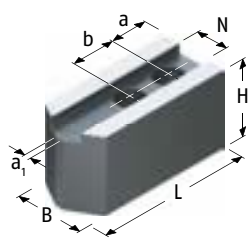
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|-------------------------------|------------------------------|----------------|----------------|----------------|----------------|------------|----------------|----------------|----------------------------|--------------------------------|
| KTHS 130 KTHS 140 QLC/QLK 140 | SWB-FF 130 | 0120300 | 1 | 12 | 32 | 32 | 60 | | 12 | 19 | M10 | 1.1 |
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 | CWB 160 SWB 160 SWBL 160 | 0100005 0120102 0120151 | 1 1 2 | 17 17 17 | 35 40 35 | 40 60 40 | 70 70 78 | | 15 15 15 | 22 22 22 | M12 M12 M12 | 1.7 3.1 1.9 |
| KTHS 160 | SWB-FF 160 | 0120302 | 1 | 14 | 35 | 40 | 72 | | 15 | 21 | M12 | 1.8 |
| NH/NHF 160 QLC/QLK 160 UVE 160 KGH/KGHF 175 KSF 175 KTH 175 | CWB 160 SWB 160 SWBL 160 | 0100005 0120102 0120151 | 1 1 2 | 17 17 17 | 35 40 35 | 40 60 40 | 70 70 78 | | 15 15 15 | 22 22 22 | M12 M12 M12 | 1.7 3.1 1.9 |
| KTHS 175 | SWB-FF 160 | 0120302 | 1 | 14 | 35 | 40 | 72 | | 15 | 21 | M12 | 1.8 |
| NH/NHF 175 QLC/QLK 175 | CWB 160 SWB 160 SWBL 160 | 0100005 0120102 0120151 | 1 1 2 | 17 17 17 | 35 40 35 | 40 60 40 | 70 70 78 | | 15 15 15 | 22 22 22 | M12 M12 M12 | 1.7 3.1 1.9 |
| 2 BLE 200 2 BLN 200 | 2 SWK 200 | 0126102 | 1 | 21 | 80 | 80 | 95 | | 22 | 28 | M16 | 8.2 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 | CWB 200 SWB 200 SWBL 200 | 0100006 0120104 0120153 | 1 1 2 | 17 17 17 | 40 40 35 | 40 60 40 | 90 90 98 | | 25 25 15 | 22 22 22 | M12 M12 M12 | 2.7 4.1 2.6 |
| KTHS 200 | SWB-FF 201 | 0120305 | 1 | 17 | 40 | 80 | 90 | | 18 | 24 | M14 | 5.4 |



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Aufsatzbacken | *Soft Top Jaws*


Spitzverzahnung 1/16" x 90°


Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 UVE 200 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| 2 BLE 250 ¹¹⁾ 2 BLN 250 ¹¹⁾ | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | M20 | 9 |
| KG 250 KL 250 KLNC 250 KP 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KS 250 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KTHS 250 | SWB-FF 201 | 0120305 | 1 | 17 | 40 | 80 | 90 | | 18 | 24 | M14 | 5.4 |
| NH/NHF 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| NHF 250-17 ²⁰⁾ | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| QLC/QLK 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| QLC-KS/QLK-KS 250 UVE 250 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| KSPS 300 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| 2 BLE 315 ¹¹⁾ 2 BLN 315 ¹¹⁾ | 2 SWK 315 | 0126104 | 1 | 25.5 | 80 | 80 | 125 | | 28 | 35 | M20 | 10.1 |
| KG 315 KLNC 315 KP 315 KS 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutzensteine verwenden.
20) Bitte überprüfen Sie die Anschlussmaße.

11) Please control the slot width and if necessary please use stepped T-nuts!
20) Please check the connecting dimensions.

 Passende Nutzensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| KSH 315 KSHF 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KT/KTGF 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KTGS 315 | SWB-FF 201 | 0120305 | 1 | 17 | 40 | 80 | 90 | | 18 | 24 | M14 | 5.4 |
| NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| 2 BLE 400 ¹¹⁾ | 2 SWK 400 | 0126105 | 1 | 25.5 | 80 | 80 | 150 | | 28 | 35 | M20 | 12.7 |
| 2 BLN 400 ¹¹⁾ | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | M20 | 9 |
| KS 400 KSH 400 KSHF 400 QLC-KS/QLK-KS 400 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

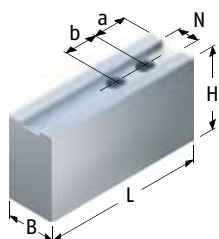
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminium



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 NH/NHF 160 QLC/QLK 160 UVE 160 KGH/KGHF 175 KSF 175 KTH 175 NH/NHF 175 QLC/QLK 175 | SWB-AL 160 | 0168100 | 17 | 40 | 60 | 70 | 15 | 22 | M12 | 1.2 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 UVE 200 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| KG 250 KL 250 KLNC 250 KP 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| KS 250 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 NH/NHF 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| NHF 250-17 ²⁰⁾ | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| QLC/QLK 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| QLC-KS/QLK-KS 250 UVE 250 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| KSPS 300 KG 315 KLNC 315 KP 315 KS 315 KSH 315 KSHF 315 KT/KTGF 315 NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 KS 400 KSH 400 KSHF 400 QLC-KS/QLK-KS 400 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



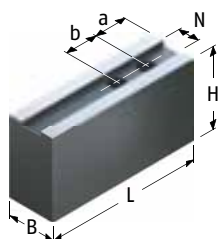
For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|
| KG 400 KL 400 KLNC 400 KP 400 KSPS 400 KT/KTGF 400 NH/NHF 400 QLC/QLK 400 UVE 400 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| KG 500 KL 500 KLNC 500 KP 500 KS 500 KSH 500 KT/KTGF 500 NH /NHF500 UVE 500 KS 630 KSHF 630 KS-L 630 KT/KTGF 630 NH/NHF 630 UVE 800 | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

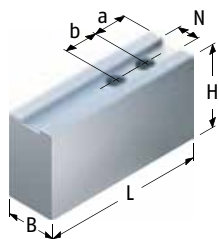
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KG 400 | | | | | | | | | | |
| KL 400 | | | | | | | | | | |
| KLNC 400 | | | | | | | | | | |
| KP 400 | | | | | | | | | | |
| KSPS 400 | | | | | | | | | | |
| KT/KTGF 400 | | | | | | | | | | |
| NH/NHF 400 | | | | | | | | | | |
| QLC/QLK 400 | | | | | | | | | | |
| UVE 400 | | | | | | | | | | |
| KG 500 | | | | | | | | | | |
| KL 500 | | | | | | | | | | |
| KLNC 500 | SWB-AL 400 | 0168103 | 25.5 | 60 | 100 | 155 | 30 | 35 | M20 | 6.4 |
| KP 500 | | | | | | | | | | |
| KS 500 | | | | | | | | | | |
| KSH 500 | | | | | | | | | | |
| KT/KTGF 500 | | | | | | | | | | |
| NH /NHF500 | | | | | | | | | | |
| UVE 500 | | | | | | | | | | |
| KS 630 | | | | | | | | | | |
| KSHF 630 | | | | | | | | | | |
| KS-L 630 | | | | | | | | | | |
| KT/KTGF 630 | | | | | | | | | | |
| NH/NHF 630 | | | | | | | | | | |
| UVE 800 | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 286.
 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

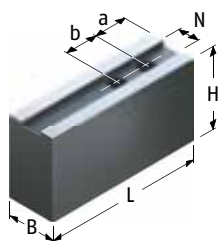
For suitable T-nuts see page 286.
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Aufsatzbacken | *Soft Top Jaws*

Modul2 Verzahnung

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Modul2 Serration

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | M [μm] | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| 3 KS 800 KS 800 3 KS 1000 KS 1000 KSF 1000 3 KS 1250 3 KS 1400 | SWB-M 800 | 0120452 | 75 | 30 | 80 | 110 | 220 | 45 | 50 | M24 | 38.4 |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

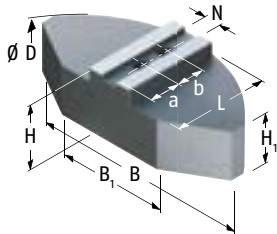
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 NH/NHF 160 QLC/QLK 160 UVE 160 KGH/KGHF 175 KSF 175 KTH 175 NH/NHF 175 QLC/QLK 175 | SWB-SM 160 | 0169100 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | M12 | 5.7 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 UVE 200 | SWB-SM 200 | 0169101 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | M12 | 8.6 |
| KG 250 KL 250 KLNC 250 KP 250 KS 250 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| | SWB-SM 250/17 | 0169102 | 17 | 180 | 104 | 250 | 60 | 45 | 79 | 44.5 | 22 | M12 | 12 |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KSH 250 KSHF 250 KSPS 250 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| KT/KTGF 250 NH/NHF 250 | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| NHF 250-17 ²⁰⁾ | SWB-SM 250/17 | 0169102 | 17 | 180 | 104 | 250 | 60 | 45 | 79 | 44.5 | 22 | M12 | 12 |
| QLC/QLK 250 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| QLC-KS/QLK-KS 250 UVE 250 | SWB-SM 250/17 | 0169102 | 17 | 180 | 104 | 250 | 60 | 45 | 79 | 44.5 | 22 | M12 | 12 |
| KSPS 300 KG 315 KLNC 315 KP 315 KS 315 KSH 315 KSHF 315 KT/KTGF 315 NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 KS 400 KSH 400 KSHF 400 QLC-KS/QLK-KS 400 | SWB-SM 315 | 0169104 | 21 | 240 | 120 | 320 | 70 | 55 | 110 | 60 | 28 | M16 | 26.6 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

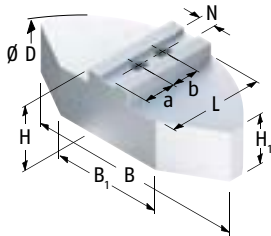
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] | | | |
|---|--|------------|---|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|-----|-----|------------|
| KGGH/KGGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 NH/NHF 160 QLC/QLK 160 UVE 160 KGGH/KGGHF 175 KSF 175 KTH 175 NH/NHF 175 QLC/QLK 175 | SWB-SA 160 | 0170100 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | M12 | 2.2 | | | |
| | KG 200 KGGH/KGGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 UVE 200 | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 | | |
| | | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 | | |
| | | | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 | |
| | | | | | | | | | | | | | | | | SWB-SA 251 |
| | | | KL 250 KLNC 250 KP 250 KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 NH/NHF 250 QLC/QLK 250 | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KSPS 300 KG 315 KLNC 315 KP 315 KS 315 KSH 315 KSHF 315 KT/KTGF 315 NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 KS 400 KSH 400 KSHF 400 QLC-KS/QLK-KS 400 | SWB-SA 315 | 0170104 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 70 | 28 | M16 | 12 |



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

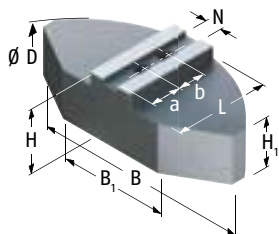
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KG 400 | | | | | | | | | | | | | |
| KL 400 | | | | | | | | | | | | | |
| KLNC 400 | | | | | | | | | | | | | |
| KP 400 | | | | | | | | | | | | | |
| KSPS 400 | | | | | | | | | | | | | |
| KT/KTGF 400 | | | | | | | | | | | | | |
| NH/NHF 400 | | | | | | | | | | | | | |
| QLC/QLK 400 | | | | | | | | | | | | | |
| UVE 400 | | | | | | | | | | | | | |
| KG 500 | | | | | | | | | | | | | |
| KL 500 | SWB-SM 400 | 0169105 | 25.5 | 330 | 150 | 440 | 85 | 55 | 155 | 85 | 35 | M20 | 55.2 |
| KLNC 500 | | | | | | | | | | | | | |
| KP 500 | | | | | | | | | | | | | |
| KS 500 | | | | | | | | | | | | | |
| KSH 500 | | | | | | | | | | | | | |
| KT/KTGF 500 | | | | | | | | | | | | | |
| NH /NHF500 | | | | | | | | | | | | | |
| UVE 500 | | | | | | | | | | | | | |
| KSHF 630 | | | | | | | | | | | | | |
| NH/NHF 630 | | | | | | | | | | | | | |
| UVE 800 | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

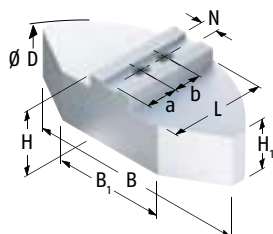
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminium*

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminium



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KG 400 | | | | | | | | | | | | | |
| KL 400 | | | | | | | | | | | | | |
| KLNC 400 | | | | | | | | | | | | | |
| KP 400 | | | | | | | | | | | | | |
| KSPS 400 | | | | | | | | | | | | | |
| KT/KTGF 400 | | | | | | | | | | | | | |
| NH/NHF 400 | | | | | | | | | | | | | |
| QLC/QLK 400 | | | | | | | | | | | | | |
| UVE 400 | | | | | | | | | | | | | |
| KG 500 | | | | | | | | | | | | | |
| KL 500 | SWB-SA 400 | 0170105 | 25.5 | 330 | 150 | 440 | 98 | 68 | 160 | 85 | 35 | M20 | 26.2 |
| KLNC 500 | | | | | | | | | | | | | |
| KP 500 | | | | | | | | | | | | | |
| KS 500 | | | | | | | | | | | | | |
| KSH 500 | | | | | | | | | | | | | |
| KT/KTGF 500 | | | | | | | | | | | | | |
| NH /NHF500 | | | | | | | | | | | | | |
| UVE 500 | | | | | | | | | | | | | |
| KSHF 630 | | | | | | | | | | | | | |
| NH/NHF 630 | | | | | | | | | | | | | |
| UVE 800 | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

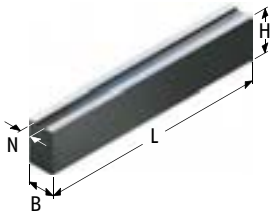
For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Verzahnte Stangen | Serrated Bars

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KTHS 130 KTHS 140 QLC/QLK 140 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| KGGH/KGGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KTHS 160 | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| NH/NHF 160 QLC/QLK 160 UVE 160 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| KGGH/KGGHF 175 KSF 175 KTH 175 | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KTHS 175 | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| NH/NHF 175 QLC/QLK 175 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| 2 BLE 200 2 BLN 200 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |


Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.


For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 KTHS 200 NH/NHF 200 QLC-KS/QLK-KS 200 UVE 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| 2 BLE 250 ¹¹⁾ 2 BLN 250 ¹¹⁾ KG 250 KL 250 KLNC 250 KP 250 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KS 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| KTHS 250 | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| NH/NHF 250 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| NHF 250-17 | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| QLC/QLK 250 | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| QLC-KS/QLK-KS 250 | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |

 Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| KSPS 300 2 BLE 315 ¹¹⁾ 2 BLN 315 ¹¹⁾ | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| KLNC 315 KP 315 KS 315 KSHF 315 KT/KTGF 315 | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KTHS 315 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 2 BLE 400 ¹¹⁾ 2 BLN 400 ¹¹⁾ KS 400 KSH 400 KSHF 400 QLC-KS/QLK-KS 400 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 | |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



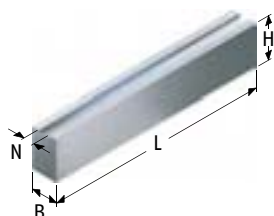
For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium



Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KTHS 130 KTHS 140 QLC/QLK 140 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KTHS 160 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |
| NH/NHF 160 QLC/QLK 160 UVE 160 KGH/KGHF 175 KSF 175 KTH 175 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KTHS 175 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |
| NH/NHF 175 QLC/QLK 175 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| 2 BLE 200 2 BLN 200 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 KTHS 200 NH/NHF 200 QLC-KS/QLK-KS 200 UVE 200 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |

Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| 2 BLE 250 ¹¹⁾ 2 BLN 250 ¹¹⁾ KG 250 KL 250 KLNC 250 KP 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KS 250 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KTHS 250 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| NH/NHF 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| NHF 250-17 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| QLC/QLK 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| QLC-KS/QLK-KS 250 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KSPS 300 2 BLE 315 ¹¹⁾ 2 BLN 315 ¹¹⁾ KG 315 KLNC 315 KP 315 KS 315 KSHF 315 KT/KTGF 315 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KTHS 315 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 2 BLE 400 ¹¹⁾ 2 BLN 400 ¹¹⁾ KS 400 KSH 400 KSHF 400 QLC-KS/QLK-KS 400 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



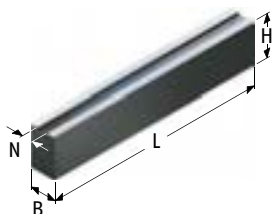
For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3/32" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| KG 400 KL 400 KLNC 400 KP 400 KSPS 400 KT/KTGF 400 NH/NHF 400 QLC/QLK 400 UVE 400 | SBM-ST 250 | 0112190 | 25.5 | 60 | 100 | 420 | 19.2 |
| KG 500 KL 500 KLNC 500 KP 500 KS 500 KSH 500 KT/KTGF 500 NH /NHF500 UVE 500 KS 630 KSHF 630 KS-L 630 KT/KTGF 630 NH/NHF 630 UVE 800 | SBM-ST 251 | 0112191 | 25.5 | 60 | 160 | 420 | 30.9 |



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

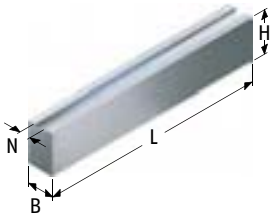
Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KG 400 | | | | | | | |
| KL 400 | | | | | | | |
| KLNC 400 | | | | | | | |
| KP 400 | | | | | | | |
| KSPS 400 | | | | | | | |
| KT/KTGF 400 | | | | | | | |
| NH/NHF 400 | | | | | | | |
| QLC/QLK 400 | | | | | | | |
| UVE 400 | | | | | | | |
| KG 500 | | | | | | | |
| KL 500 | | | | | | | |
| KLNC 500 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |
| KP 500 | | | | | | | |
| KS 500 | | | | | | | |
| KSH 500 | | | | | | | |
| KT/KTGF 500 | | | | | | | |
| NH /NHF500 | | | | | | | |
| UVE 500 | | | | | | | |
| KS 630 | | | | | | | |
| KSHF 630 | | | | | | | |
| KS-L 630 | | | | | | | |
| KT/KTGF 630 | | | | | | | |
| NH/NHF 630 | | | | | | | |
| UVE 800 | | | | | | | |



Passende Nutensteine finden Sie ab Seite 286.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



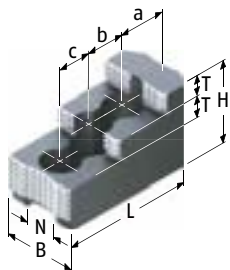
For suitable T-nuts see page 286.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 1/16" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 NH/NHF 160 QLC/QLK 160 UVE 160 | SHB 175 | 0121103 | 17 | 35 | 44 | 64.7 | 10 | 28 | 19 | | M12 | 1.2 |
| KGH/KGHF 175 KSF 175 KTH 175 NH/NHF 175 QLC/QLK 175 | SHB 200 | 0121104 | 17 | 40 | 49 | 72.5 | 12 | 18 | 19 | 19 | M12 | 1.6 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 UVE 200 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| KG 250 KL 250 KLNC 250 KP 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| KS 250 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |



Passende Nutensteine finden Sie ab Seite 286.



For suitable T-nuts see page 286.

FORKARDT

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 NH/NHF 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| NHF 250-17 ²⁰⁾ | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| QLC/QLK 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| QLC-KS/QLK-KS 250 UVE 250 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| KSPS 300 KG 315 KLNC 315 KP 315 KS 315 KSH 315 KSHF 315 KT/KTGF 315 NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 KS 400 KSH 400 KSHF 400 QLC-KS/QLK-KS 400 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



Passende Nutensteine finden Sie ab Seite 286.



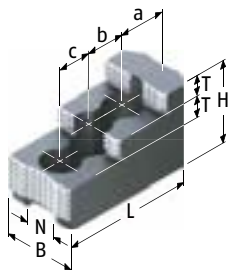
For suitable T-nuts see page 286.

FORKARDT

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 3/32" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KG 400 | | | | | | | | | | | | |
| KL 400 | | | | | | | | | | | | |
| KLNC 400 | | | | | | | | | | | | |
| KP 400 | | | | | | | | | | | | |
| KSPS 400 | | | | | | | | | | | | |
| KT/KTGF 400 | | | | | | | | | | | | |
| NH/NHF 400 | | | | | | | | | | | | |
| QLC/QLK 400 | | | | | | | | | | | | |
| UVE 400 | | | | | | | | | | | | |
| KG 500 | | | | | | | | | | | | |
| KL 500 | | | | | | | | | | | | |
| KLNC 500 | SHB 400 | 0121107 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| KP 500 | | | | | | | | | | | | |
| KS 500 | | | | | | | | | | | | |
| KSH 500 | | | | | | | | | | | | |
| KT/KTGF 500 | | | | | | | | | | | | |
| NH /NHF500 | | | | | | | | | | | | |
| UVE 500 | | | | | | | | | | | | |
| KS 630 | | | | | | | | | | | | |
| KSHF 630 | | | | | | | | | | | | |
| KS-L 630 | | | | | | | | | | | | |
| KT/KTGF 630 | | | | | | | | | | | | |
| NH/NHF 630 | | | | | | | | | | | | |
| UVE 800 | | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 286.



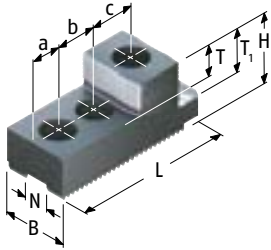
For suitable T-nuts see page 286.

FORKARDT

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Modul2 Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Modul2 Serration

- *Universal for O.D.- and I.D.-Clamping*
- *Big clamping ranges*
- *Clamping surfaces with diamond serration*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5, hardened*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | T1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| 3 KS 800 KS 800 3 KS 1000 KS 1000 KSF 1000 3 KS 1250 3 KS 1400 | SHB-M 800 | 0121160 | 30 | 78 | 87 | 190 | 37 | 52 | 32 | 50 | 50 | M24 | 15 |

 Passende Nutzensteine finden Sie ab Seite 286.

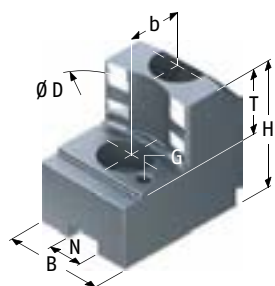
 For suitable T-nuts see page 286.

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KGH/KGHF 160 | 28 - 55 | 169 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 47 - 73 | 169 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 69 - 96 | 169 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 87 - 114 | 174 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 109 - 136 | 194 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KL 160 | 28 - 48 | 162 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 41 - 67 | 162 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 63 - 90 | 163 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 81 - 107 | 167 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 103 - 129 | 187 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KS 160 | 28 - 47 | 161 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 34 - 66 | 161 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 56 - 88 | 161 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 73 - 106 | 166 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 95 - 128 | 186 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KSH 160 | 28 - 48 | 162 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 41 - 67 | 162 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 63 - 90 | 163 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 81 - 107 | 167 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 103 - 129 | 187 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KT 160 | 30 - 50 | 165 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 49 - 69 | 165 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 71 - 92 | 165 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 89 - 110 | 170 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 111 - 132 | 190 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |



Passende Nutensteine finden Sie ab Seite 286.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 286.

For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KTH 160 | 41 - 62 | 177 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 60 - 81 | 177 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 82 - 103 | 177 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 100 - 122 | 182 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 122 - 144 | 202 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| NH/NHF 160 | 33 - 54 | 169 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 52 - 73 | 169 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 74 - 96 | 169 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 92 - 114 | 174 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 114 - 136 | 194 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| QLC/QLK 160 | 28 - 56 | 171 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 47 - 75 | 171 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 69 - 99 | 173 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 87 - 116 | 176 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 109 - 138 | 196 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KGFH/KGFH 175 | 28 - 65 | 180 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 47 - 84 | 180 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 69 - 106 | 180 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 87 - 125 | 185 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 109 - 147 | 205 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KSF 175 | 28 - 65 | 180 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 32 - 84 | 180 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 54 - 106 | 180 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 71 - 125 | 185 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 93 - 147 | 205 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KTH 175 | 41 - 69 | 184 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 60 - 88 | 184 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 82 - 110 | 184 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 100 - 129 | 189 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 122 - 151 | 209 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| NH/NHF 175 | 42 - 69 | 184 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 60 - 88 | 184 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 83 - 110 | 184 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 101 - 129 | 189 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 123 - 151 | 209 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| QLC/QLK 175 | 32 - 69 | 184 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 50 - 88 | 184 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 73 - 110 | 184 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 91 - 129 | 189 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 112 - 151 | 209 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |



Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KG 200 | 30 - 52 | 200 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 38 - 80 | 200 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 60 - 109 | 200 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 90 - 136 | 202 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 114 - 167 | 226 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KGGH/KGGHF 200 | 30 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 88 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KL 200 | 30 - 52 | 200 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 38 - 80 | 200 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 62 - 109 | 200 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 90 - 136 | 202 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 118 - 167 | 226 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KLNC 200 | 30 - 52 | 200 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 38 - 80 | 200 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 60 - 109 | 200 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 90 - 136 | 202 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 114 - 167 | 226 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KP 200 | 29 - 55 | 203 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 38 - 83 | 203 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 64 - 112 | 203 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 91 - 139 | 205 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 120 - 170 | 229 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KS 200 | 30 - 52 | 200 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 46 - 80 | 200 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 109 | 200 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 102 - 136 | 202 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 132 - 167 | 226 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KSF 200 | 29 - 56 | 204 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 38 - 84 | 204 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 60 - 113 | 204 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 90 - 140 | 206 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 109 - 171 | 230 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KSH 200 | 30 - 52 | 200 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 46 - 80 | 200 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 109 | 200 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 102 - 136 | 202 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 132 - 167 | 226 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |



Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KT/KTGF 200 | 29 - 56 | 204 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 42 - 84 | 204 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 71 - 113 | 204 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 97 - 140 | 206 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 127 - 171 | 230 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KTH 200 | 35 - 64 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 63 - 91 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 92 - 121 | 212 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 119 - 148 | 214 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 149 - 178 | 238 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| NH/NHF 200 | 29 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 44 - 87 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 73 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 100 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 130 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| QLC/QLK 200 | 29 - 69 | 218 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 48 - 97 | 218 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 77 - 127 | 218 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 103 - 154 | 220 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 133 - 184 | 244 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| QLC-KS/QLK-KS 200 | 38 - 70 | 218 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 65 - 97 | 218 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 95 - 127 | 218 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 122 - 154 | 220 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 152 - 184 | 244 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KG 250 | 38 - 84 | 252 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 65 - 124 | 252 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 108 - 174 | 254 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 154 - 221 | 291 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KL 250 | 38 - 84 | 252 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 65 - 124 | 252 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 108 - 174 | 254 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 154 - 221 | 291 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KLNC 250 | 38 - 84 | 252 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 65 - 124 | 252 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 106 - 174 | 254 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 152 - 221 | 291 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KP 250 | 38 - 87 | 255 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 65 - 127 | 255 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 113 - 177 | 257 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 160 - 224 | 294 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |



Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KS 250 | 33 - 97 | 268 | SZA 25-6 | 0138176 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 2.3 |
| | 54 - 127 | 250 | SZA 25-7 | 0138177 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.7 |
| | 102 - 186 | 156 | SZA 25-8 | 0138178 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 1.8 |
| | 137 - 221 | 291 | SZA 25-9 | 0138179 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.4 |
| KSH 250 | 43 - 94 | 262 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 81 - 134 | 262 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 131 - 183 | 264 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 177 - 230 | 301 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KSHF 250 | 38 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 69 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 118 - 182 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 164 - 229 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KT/KTGF 250 | 38 - 88 | 256 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 69 - 128 | 256 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 118 - 178 | 258 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 165 - 225 | 295 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| NH/NHF 250 | 38 - 85 | 253 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 71 - 125 | 253 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 121 - 175 | 255 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 167 - 222 | 292 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| QLC/QLK 250 | 42 - 99 | 267 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 81 - 139 | 267 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 130 - 188 | 269 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 177 - 236 | 306 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| QLC-KS/QLK-KS 250 | 62 - 111 | 283 | SZA 25-6 | 0138176 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 2.3 |
| | 92 - 142 | 264 | SZA 25-7 | 0138177 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.7 |
| | 151 - 201 | 271 | SZA 25-8 | 0138178 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 1.8 |
| | 186 - 236 | 306 | SZA 25-9 | 0138179 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.4 |
| KG 315 | 44 - 125 | 326 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 74 - 183 | 327 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 137 - 249 | 325 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 201 - 313 | 385 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KLNC 315 | 44 - 125 | 326 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 64 - 183 | 327 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 118 - 249 | 325 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 181 - 313 | 385 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KP 315 | 44 - 129 | 330 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 64 - 187 | 331 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 123 - 253 | 329 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 187 - 317 | 389 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |

 Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KS 315 | 44 - 125 | 325 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 66 - 182 | 326 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 129 - 248 | 324 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 192 - 312 | 384 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KSH 315 | 44 - 135 | 336 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 97 - 192 | 337 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 162 - 259 | 335 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 226 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KSHF 315 | 44 - 134 | 335 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 78 - 192 | 336 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 142 - 258 | 334 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 205 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KT/KTGF 315 | 44 - 128 | 329 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 66 - 186 | 330 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 128 - 252 | 328 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 192 - 316 | 388 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| NH/NHF 315 | 44 - 134 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 92 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 156 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 220 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| QLC/QLK 315 | 44 - 138 | 339 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 91 - 196 | 340 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 155 - 262 | 338 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 219 - 320 | 392 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| QLC-KS/QLK-KS 315 | 80 - 138 | 339 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 137 - 196 | 340 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 203 - 262 | 338 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 267 - 320 | 392 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KS 400 | 44 - 208 | 409 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 66 - 265 | 410 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 192 - 395 | 468 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KSH 400 | 69 - 220 | 421 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 127 - 277 | 422 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 257 - 400 | 473 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KSHF 400 | 45 - 220 | 421 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 103 - 277 | 422 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 231 - 400 | 473 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| QLC-KS/QLK-KS 400 | 111 - 218 | 419 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 167 - 275 | 420 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 235 - 341 | 418 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 298 - 400 | 473 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |



Passende Nutensteine finden Sie ab Seite 286.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 286.

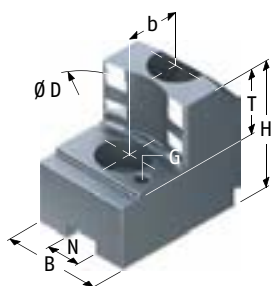
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KG 400 | 54 - 164 | 428 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 102 - 239 | 464 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 184 - 323 | 444 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 254 - 394 | 489 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KL 400 | 56 - 164 | 428 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 86 - 239 | 464 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 182 - 323 | 444 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 394 | 489 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KLNC 400 | 56 - 164 | 428 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 86 - 239 | 464 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 182 - 323 | 444 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 394 | 489 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KT/KTGF 400 | 56 - 168 | 432 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 104 - 243 | 468 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 186 - 327 | 448 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 256 - 398 | 492 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| NH/NHF 400 | 59 - 168 | 432 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 133 - 243 | 468 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 215 - 327 | 448 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 286 - 398 | 493 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| QLC/QLK 400 | 61 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 135 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 217 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |

Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KG 500 | 73 - 238 | 583 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 136 - 338 | 564 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 219 - 422 | 544 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 290 - 494 | 588 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 369 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KL 500 | 73 - 238 | 583 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 86 - 338 | 564 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 182 - 422 | 544 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 494 | 588 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 315 - 520 | 620 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KLNC 500 | 73 - 238 | 583 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 86 - 338 | 564 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 182 - 422 | 544 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 494 | 588 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 316 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KS 500 | 73 - 238 | 583 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 98 - 338 | 564 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 182 - 422 | 544 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 250 - 494 | 588 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 329 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| NH /NHF500 | 73 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 166 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 249 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 320 - 496 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 399 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KS 630 | 73 - 367 | 713 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 161 - 468 | 694 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 244 - 552 | 674 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 315 - 623 | 718 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 394 - 650 | 750 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KSHF 630 | 74 - 373 | 719 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 171 - 474 | 700 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 255 - 558 | 680 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 326 - 629 | 724 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 405 - 650 | 750 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KS-L 630 | 73 - 367 | 713 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 140 - 468 | 694 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 223 - 552 | 674 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 294 - 623 | 718 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 373 - 650 | 750 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |



Passende Nutensteine finden Sie ab Seite 286.

Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 286.

For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KT/KTGF 630 | 73 - 371 | 717 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 104 - 472 | 698 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 186 - 556 | 678 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 256 - 627 | 722 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 335 - 650 | 750 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| NH/NHF 630 | 88 - 369 | 715 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 186 - 470 | 696 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 270 - 554 | 676 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 341 - 625 | 720 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 420 - 650 | 750 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |

 Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

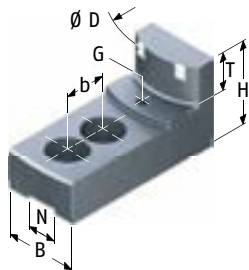
 For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Innenspannung | Hard Claw Jaws for I.D.-Clamping

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without Workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| KG 200 | 58 - 87 | 200 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 115 | 200 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 95 - 146 | 200 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KGGH/KGGHF 200 | 62 - 94 | 207 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 90 - 123 | 207 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 121 - 154 | 207 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KL 200 | 58 - 88 | 200 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 116 | 200 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 99 - 149 | 202 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KLNC 200 | 58 - 87 | 200 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 115 | 200 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 95 - 146 | 200 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KP 200 | 58 - 93 | 206 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 122 | 206 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 101 - 153 | 206 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KS 200 | 58 - 87 | 200 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 115 | 200 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 146 | 200 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KSF 200 | 58 - 91 | 203 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 119 | 203 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 91 - 150 | 203 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KSH 200 | 58 - 87 | 200 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 115 | 200 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 146 | 200 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KT/KTGF 200 | 58 - 91 | 203 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 119 | 203 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 108 - 150 | 203 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |

Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".



FORKARDT

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KTH 200 | 69 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 98 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 129 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| NH/NHF 200 | 58 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 79 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 110 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| QLC/QLK 200 | 58 - 104 | 217 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 83 - 132 | 217 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 114 - 164 | 217 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| QLC-KS/QLK-KS 200 | 72 - 104 | 217 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 100 - 133 | 217 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 132 - 164 | 217 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KG 250 | 78 - 112 | 257 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 153 | 259 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 135 - 199 | 259 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KL 250 | 78 - 112 | 257 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 153 | 259 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 135 - 199 | 259 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KLNC 250 | 78 - 112 | 257 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 153 | 259 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 135 - 199 | 259 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KP 250 | 78 - 119 | 264 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 160 | 266 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 139 - 206 | 266 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KS 250 | 58 - 130 | 267 | SZI 25-17 | 0123180 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.9 |
| | 77 - 154 | 253 | SZI 25-18 | 0123181 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.2 |
| | 134 - 218 | 263 | SZI 25-19 | 0123182 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2 |
| KSH 250 | 78 - 121 | 267 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 111 - 163 | 269 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 156 - 208 | 269 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KSHF 250 | 78 - 120 | 265 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 161 | 267 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 143 - 207 | 267 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KT/KTGF 250 | 78 - 116 | 261 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 157 | 263 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 144 - 203 | 263 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| NH/NHF 250 | 78 - 117 | 262 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 102 - 158 | 264 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 146 - 204 | 264 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |

 Passende Nutensteine finden Sie ab Seite 286.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 286.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".



FORKARDT

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| QLC/QLK 250 | 78 - 127 | 272 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 111 - 168 | 274 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 156 - 214 | 274 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| QLC-KS/QLK-KS 250 | 94 - 149 | 286 | SZI 25-17 | 0123180 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.9 |
| | 118 - 173 | 272 | SZI 25-18 | 0123181 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.2 |
| | 182 - 237 | 282 | SZI 25-19 | 0123182 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2 |
| KG 315 | 78 - 146 | 332 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 200 | 324 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 274 | 324 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KLNC 315 | 78 - 146 | 332 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 200 | 324 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 274 | 324 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KP 315 | 78 - 154 | 340 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 208 | 332 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 282 | 332 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KS 315 | 78 - 145 | 331 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 199 | 323 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 273 | 323 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KSH 315 | 78 - 156 | 342 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 209 | 334 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 188 - 284 | 334 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KSHF 315 | 78 - 155 | 341 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 209 | 333 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 283 | 333 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KT/KTGF 315 | 78 - 150 | 336 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 204 | 328 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 278 | 328 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| NH/NHF 315 | 78 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 212 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 182 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| QLC/QLK 315 | 78 - 159 | 345 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 213 | 337 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 181 - 287 | 337 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| QLC-KS/QLK-KS 315 | 101 - 163 | 349 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 154 - 217 | 341 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 228 - 291 | 341 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KS 400 | 142 - 282 | 407 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 357 | 407 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KSH 400 | 144 - 294 | 419 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 218 - 368 | 419 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |

 Passende Nutensteine finden Sie ab Seite 286.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 286.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


FORKARDT

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KSHF 400 | 124 - 294 | 419 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 193 - 369 | 419 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| QLC-KS/QLK-KS 400 | 132 - 242 | 429 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 185 - 296 | 421 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 260 - 371 | 421 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |

 Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

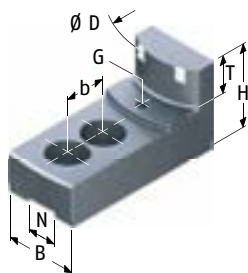
 For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KG 400 | 98 - 190 | 417 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 149 - 270 | 445 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 211 - 349 | 445 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 274 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KL 400 | 100 - 190 | 417 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 151 - 270 | 445 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 195 - 349 | 445 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 256 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KLNC 400 | 100 - 190 | 417 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 151 - 270 | 445 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 195 - 349 | 445 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 256 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KT/KTGF 400 | 100 - 194 | 421 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 151 - 274 | 449 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 213 - 353 | 449 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 276 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| NH/NHF 400 | 100 - 194 | 421 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 165 - 274 | 449 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 242 - 354 | 449 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 305 - 417 | 457 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| QLC/QLK 400 | 100 - 192 | 419 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 167 - 272 | 447 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 - 351 | 447 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 - 415 | 455 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |



Passende Nutensteine finden Sie ab Seite 286.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 286.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KG 500 | 124 - 286 | 553 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 169 - 370 | 545 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 246 - 449 | 545 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 309 - 500 | 540 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KL 500 | 125 - 286 | 553 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 151 - 370 | 545 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 195 - 449 | 545 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 256 - 500 | 540 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KLNC 500 | 124 - 286 | 553 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 151 - 370 | 545 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 195 - 449 | 545 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 256 - 500 | 540 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KS 500 | 125 - 286 | 553 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 151 - 370 | 545 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 207 - 449 | 545 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 270 - 500 | 540 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| NH /NHF500 | 125 - 288 | 555 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 197 - 372 | 547 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 275 - 451 | 547 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 339 - 515 | 555 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KS 630 | 125 - 416 | 683 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 193 - 499 | 675 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 270 - 579 | 675 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 334 - 630 | 671 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KSHF 630 | 125 - 421 | 689 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 203 - 505 | 681 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 281 - 585 | 681 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 344 - 649 | 689 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KS-L 630 | 125 - 416 | 683 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 173 - 499 | 675 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 250 - 579 | 675 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 313 - 630 | 671 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KT/KTGF 630 | 125 - 419 | 687 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 151 - 503 | 679 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 213 - 583 | 679 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 276 - 630 | 671 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| NH/NHF 630 | 136 - 417 | 685 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 218 - 501 | 677 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 296 - 581 | 677 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 359 - 645 | 685 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |

 Passende Nutensteine finden Sie ab Seite 286.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 286.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

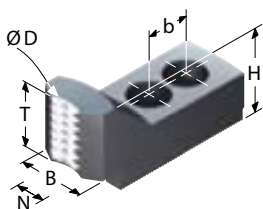
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Setz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KGH/KGHF 160 | 12 – 34 | 172 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KL 160 | - | | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KS 160 | 13 – 27 | 165 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KSH 160 | 13 – 27 | 165 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KT 160 | 13 – 30 | 168 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KTH 160 | 20 – 41 | 180 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| NH/NHF 160 | 13 – 34 | 172 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KGH/KGHF 175 | 14 – 44 | 183 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KSF 175 | 14 – 44 | 183 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KTH 175 | 20 – 48 | 187 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| NH/NHF 175 | 21 – 48 | 187 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| QLC/QLK 175 | 13 – 48 | 187 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KG 200 | 13 – 38 | 200 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KGH/KGHF 200 | 14 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KL 200 | 13 – 38 | 200 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KLNC 200 | 13 – 38 | 200 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KP 200 | 13 – 41 | 203 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KS 200 | 13 – 38 | 200 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KSF 200 | 13 – 42 | 204 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KSH 200 | 13 – 38 | 200 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KT/KTGF 200 | 13 – 42 | 204 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KTH 200 | 21 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| NH/NHF 200 | 21 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| QLC/QLK 200 | 13 – 56 | 218 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| QLC-KS/QLK-KS 200 | 24 – 56 | 218 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KG 250 | 16 – 54 | 254 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KL 250 | 16 – 54 | 254 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |

 Passende Nutensteine finden Sie ab Seite 286.

 For suitable T-nuts see page 286.

FORKARDT

Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KLNC 250 | 16 – 54 | 254 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KP 250 | 16 – 57 | 257 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KS 250 | 16 – 77 | 264 | SZA-ST 25-1 | 0175102 | 17 | 35 | 45 | 35 | 22 | M12 | 1.8 |
| KSH 250 | 16 – 63 | 264 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KSHF 250 | 16 – 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KT/KTGF 250 | 16 – 58 | 258 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| NH/NHF 250 | 17 – 55 | 255 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| QLC/QLK 250 | 17 – 68 | 269 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| QLC-KS/QLK-KS 250 | 42 – 92 | 279 | SZA-ST 25-1 | 0175102 | 17 | 35 | 45 | 35 | 22 | M12 | 1.8 |
| KG 315 | 22 – 87 | 327 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KLNC 315 | 22 – 87 | 327 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KP 315 | 22 – 91 | 331 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KS 315 | 22 – 86 | 326 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KSH 315 | 22 – 96 | 337 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KSHF 315 | 22 – 96 | 336 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KT/KTGF 315 | 22 – 90 | 330 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| NH/NHF 315 | 22 – 95 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| QLC/QLK 315 | 22 – 99 | 340 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| QLC-KS/QLK-KS 315 | 41 – 99 | 340 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KS 400 | 22 – 167 | 410 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KSH 400 | 32 – 180 | 422 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KSHF 400 | 22 – 181 | 422 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| QLC-KS/QLK-KS 400 | 72 – 179 | 420 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |

 Passende Nutensteine finden Sie ab Seite 286.

 For suitable T-nuts see page 286.

FORKARDT

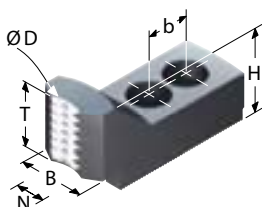
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



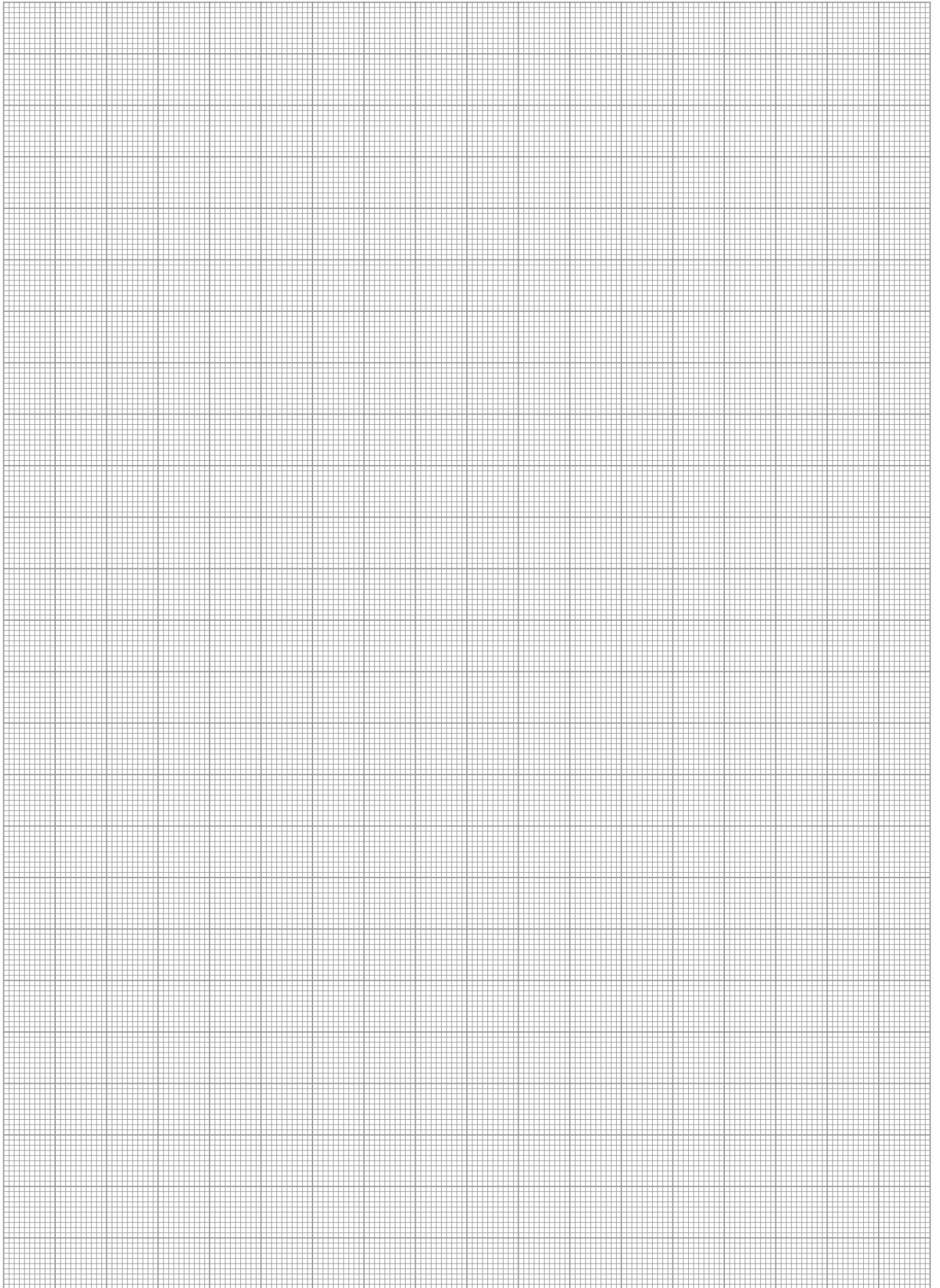
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KG 400 | 35 - 107 | 444 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KL 400 | 35 - 107 | 444 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KLNC 400 | 35 - 107 | 444 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KT/KTGF 400 | 35 - 111 | 448 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| NH/NHF 400 | 35 - 111 | 448 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| QLC/QLK 400 | 35 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KG 500 | 35 - 206 | 544 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KL 500 | 35 - 206 | 544 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KLNC 500 | 35 - 206 | 544 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KS 500 | 35 - 206 | 544 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KT/KTGF 500 | 35 - 210 | 548 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| NH /NHF500 | 37 - 208 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| NH/NHF 630 | 55 - 337 | 676 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |



Passende Nutensteine finden Sie ab Seite 286.



For suitable T-nuts see page 286.

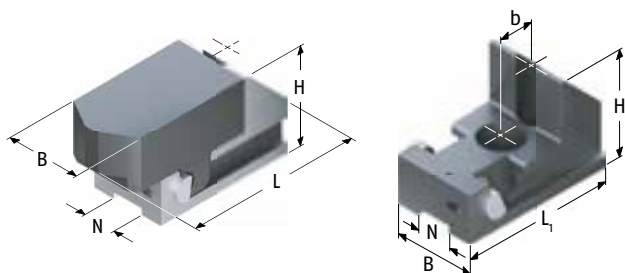


FORKARDT

Backen-Schnellwechselsystem | Jaw quick-change System

Spitzverzahnung 1/16" x 90°

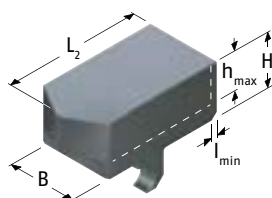
- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- Max. Spannbereich durch Versetzen der Trägerbacke möglich



Schnellwechselbacke, komplett Ausführung 2 | Version 2
Quick Change Jaw, complete

Fine serration 1/16" x 90°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- Max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW
Soft insert BWW

| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Trägerbacke Support jaw | ID | Wechselbacke Soft insert | ID | Spannkraft Clamping force [kN] |
|--|--|--|----------------------------|---------|-----------------------------|---------|--------------------------------------|
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 NH/NHF 160 QLC/QLK 160 KGH/KGHF 175 KSF 175 KTH 175 NH/NHF 175 QLC/QLK 175 | 10 - 125 | 184 | BWT 160 | 0105200 | BWW 160 | 0105305 | 70 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |
| KG 250 KL 250 KLNC 250 KP 250 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| KS 250 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 NH/NHF 250 QLC/QLK 250 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |

| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| 17 | 35 | 50 | 25.7 | 89 | 78 | 65 | 17 | 6 | 22 | M12 | 1.38 |
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 1.87 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 2.62 |
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 1.87 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 2.62 |

FORKARDT

Backen-Schnellwechselsystem | Jaw quick-change System

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Trägerbacke <i>Support jaw</i> | ID | Wechselbacke <i>Soft insert</i> | ID | Spannkraft <i>Clamping force</i> [kN] |
|--|---|---|-----------------------------------|---------|------------------------------------|---------|---|
| QLC-KS/QLK-KS 250 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |
| KSPS 300 KG 315 KLNC 315 KP 315 KS 315 | 35 - 244 | 336 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| KSH 315 KSHF 315 KT/KTGF 315 NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 | 35 - 244 | 336 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| KS 400 KSH 400 KSHF 400 NH/NHF 400 QLC-KS/QLK-KS 400 | 40 - 328 | 416 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |



Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

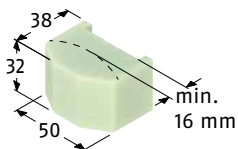
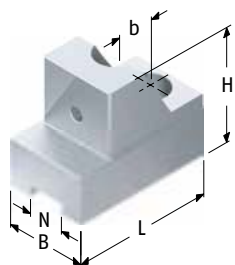
| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 1.87 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 2.62 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 2.62 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 2.62 |

FORKARDT

QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

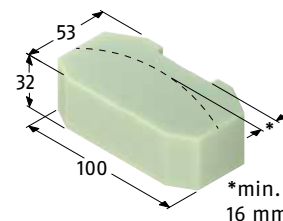
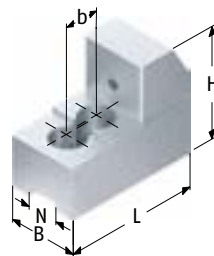
Spitzverzahnung 1/16" x 90°

- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung



Fine serration 1/16" x 90°

- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 – 0.4
- Gentle clamping



TRQ ...-1

QUENTES 10

TRQ ...-2

QUENTES 20

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|--|---|-----------------------------------|---------|---|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|------|
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 NH/NHF 160 QLC/QLK 160 KGH/KGHF 175 KSF 175 KTH 175 NH/NHF 175 QLC/QLK 175 | 90-132 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 | 20 - 56 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 | 60 - 160 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 | 20 - 56 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| QLC-KS/QLK-KS 200 | 81 - 160 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| UVE 200 | 20 - 78 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| | 94 - 182 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| | 20 - 56 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| | 81 - 160 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |

FORKARDT

QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

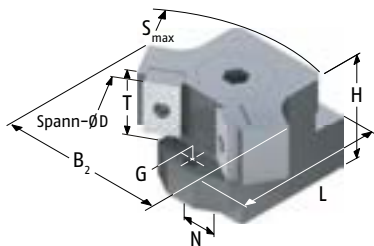
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz <i>Clamping insert</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|---|-----------------------------------|---------|--|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KG 250 KL 250 KLNC 250 KP 250 KSH 250 | 20 - 67 | TRQ 250-1 | 0150003 | QUENTES 10 | 0150100 | 21 | 45 | 57 | 93 | 28 | M16 | 0.97 |
| KSHF 250 KSPS 250 KT/KTGF 250 NH/NHF 250 QLC/QLK 250 | 129 - 203 | TRQ 250-2 | 0150004 | QUENTES 20 | 0150200 | 21 | 45 | 67 | 94 | 28 | M16 | 1.24 |

FORKARDT

Pendelbacken | *Pendulum Jaws*

Spitzverzahnung 1/16" x 90°


- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



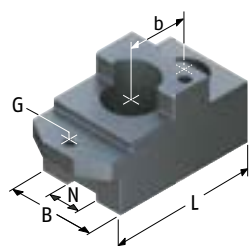
Fine serration 1/16" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

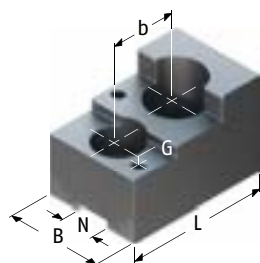
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|--|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| KG 200 KS 200 KT/KTGF 200 NH/NHF 200 QLC/QLK 200 | 60 - 86 | 217 | PNS-Z 200-1 | 0190138 | PT 17-3 | 0191108 | PB 200-1 | 0192126 |
| | 72 - 92 | 222 | PNS-Z 200-2 | 0190139 | PT 17-3 | 0191108 | PB 200-2 | 0192127 |
| | 90 - 121 | 244 | PNS-Z 200-3 | 0190140 | PT 17-4 | 0191109 | PB 200-3 | 0192128 |
| | 120 - 151 | 244 | PNS-Z 200-4 | 0190141 | PT 17-4 | 0191109 | PB 200-4 | 0192129 |
| KT/KTGF 250 NH/NHF 250 QLC/QLK 250 | 66 - 91 | 256 | PNS-Z 250-21-1 | 0190105 | PT 21-1 | 0191102 | PB 250-1 | 0192100 |
| | 74 - 113 | 274 | PNS-Z 250-21-2 | 0190106 | PT 21-1 | 0191102 | PB 250-2 | 0192101 |
| | 95 - 117 | 274 | PNS-Z 250-21-3 | 0190107 | PT 21-1 | 0191102 | PB 250-3 | 0192102 |
| | 128 - 169 | 293 | PNS-Z 250-21-4 | 0190108 | PT 21-2 | 0191103 | PB 250-4 | 0192103 |
| | 137 - 178 | 293 | PNS-Z 250-21-5 | 0190109 | PT 21-2 | 0191103 | PB 250-5 | 0192104 |
| KG 315 | 80 - 115 | 284 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 115 - 165 | 332 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 156 - 205 | 334 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 186 - 230 | 344 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |
| KT/KTGF 315 | 80 - 115 | 284 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 115 - 165 | 332 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 156 - 205 | 334 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 186 - 230 | 334 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |
| NH/NHF 315 | 80 - 115 | 284 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 115 - 165 | 332 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 156 - 205 | 344 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 186 - 230 | 344 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |
| QLC/QLK 315 | 69 - 112 | 291 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 105 - 165 | 336 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 146 - 215 | 339 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 163 - 234 | 356 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |

 Passende Nutensteine finden Sie ab Seite 286.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.

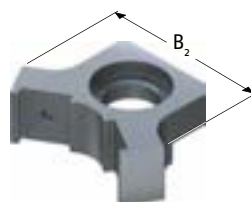
 For suitable T-nuts see page 286.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



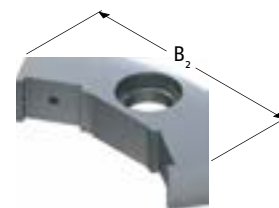
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

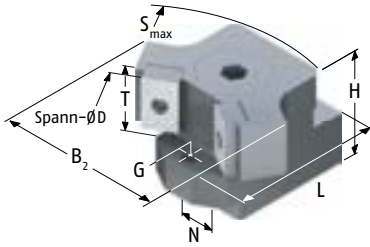
| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 200-1 | 0194140 | 17 | 40 | 80 | 56 | 74 | 30 | M6 | 30 | M12 | 1.2 |
| SP 200-3 | 0194142 | 17 | 40 | 100 | 56 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-5 | 0194144 | 17 | 40 | 102 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.4 |
| SP 200-5 | 0194144 | 17 | 40 | 130 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |

FORKARDT

Pendelbacken | *Pendulum Jaws*

Spitzverzahnung 3/32" x 90°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



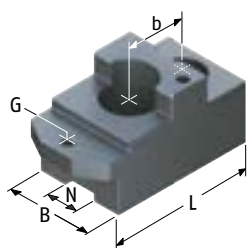
Fine serration 3/32" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

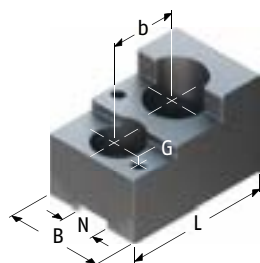
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| QLC/QLK 400 | 119 - 200 | 425 | PNS-Z 400-1 | 0190115 | PT 25-1 | 0191104 | PB 400-1 | 0192110 |
| | 182 - 260 | 452 | PNS-Z 400-2 | 0190116 | PT 25-2 | 0191105 | PB 400-2 | 0192111 |
| | 235 - 290 | 452 | PNS-Z 400-3 | 0190117 | PT 25-2 | 0191105 | PB 400-3 | 0192112 |
| | 282 - 365 | 548 | PNS-Z 400-4 | 0190118 | PT 25-3 | 0191106 | PB 400-4 | 0192113 |

Passende Nutensteine finden Sie ab Seite 286.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.

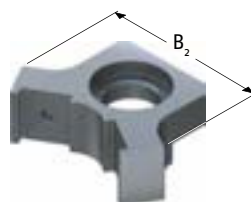
For suitable T-nuts see page 286.
For suitable hard and soft clamping inserts see catalog chapter "Accessories".



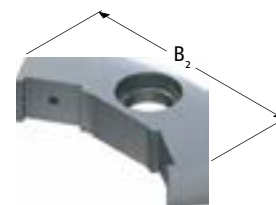
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|------|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 400-2 | 0194109 | 25.5 | 65 | 150 | 85 | 138 | 45 | M8 | 45 | M20 | 4.7 |
| SP 400-4 | 0194111 | 25.5 | 65 | 205 | 85 | 110 | 45 | M8 | 48 | M20 | 6 |
| SP 400-4 | 0194111 | 25.5 | 65 | 240 | 85 | 110 | 45 | M8 | 48 | M20 | 6.2 |
| SP 400-4 | 0194111 | 25.5 | 70 | 250 | 90 | 150 | 45 | M8 | 45 | M20 | 7.3 |

FORKARDT

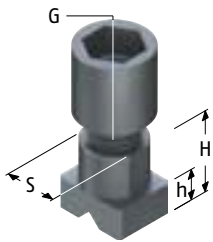
Nutensteine | T-Nuts

Einzel-Nutensteine

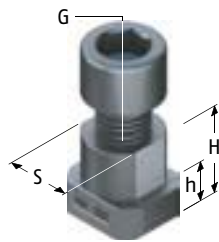
- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen

Single T-Nuts

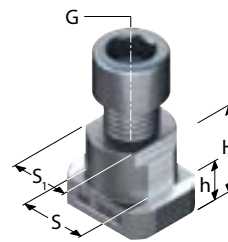
- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| KTHS 130 KTHS 140 | FN-T 10 | 0148110 | 1 | 12 | | 17 | 7 | M10 | (D 16 / SW 10) | 40 |
| KGH/KGHF 160 KL 160 KS 160 KSH 160 KSPS 160 KT 160 KTH 160 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| KTHS 160 | FN-T 12 | 0148111 | 1 | 14 | | 18.5 | 8 | M12 | (D 18 / SW 12) | 62 |
| NH/NHF 160 QLC/QLK 160 UVE 160 KSF 175 KTH 175 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| KTHS 175 | FN-T 12 | 0148111 | 1 | 14 | | 18.5 | 8 | M12 | (D 18 / SW 12) | 62 |
| NH/NHF 175 QLC/QLK 175 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| 2 BLE 200 2 BLN 200 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| KTHS 200 | FN-T 14 | 0148112 | 1 | 17 | | 23 | 9 | M14 | (D 21 / SW 14) | 90 |
| NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 UVE 200 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |

Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| 2 BLE 250 2 BLN 250 | NS 200 | 0140103 | 2 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| | NS 25,5/21 | 0140109 | 3 | 25.5 | 21 | 29 | 11 | M16 | M16x35 | 150 |
| KG 250 KL 250 KLNC 250 KP 250 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| KS 250 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| KTHS 250 | FN-T 14 | 0148112 | 1 | 17 | | 23 | 9 | M14 | (D 21 / SW 14) | 90 |
| NH/NHF 250 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| NHF 250-17 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| QLC/QLK 250 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| QLC-KS/QLK-KS 250 UVE 250 | NS 120 | 0140101 | 2 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| KSPS 300 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| 2 BLE 315 2 BLN 315 | NS 200 | 0140103 | 2 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| | NS 25,5/21 | 0140109 | 3 | 25.5 | 21 | 29 | 11 | M16 | M16x35 | 150 |
| KG 315 KLNC 315 KP 315 KS 315 KSH 315 KSHF 315 KT/KTGF 315 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| KTHS 315 | FN-T 14 | 0148112 | 1 | 17 | | 23 | 9 | M14 | (D 21 / SW 14) | 90 |
| NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| 2 BLE 400 2 BLN 400 | NS 200 | 0140103 | 2 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| | NS 25,5/21 | 0140109 | 3 | 25.5 | 21 | 29 | 11 | M16 | M16x35 | 150 |
| KG 400 KL 400 KLNC 400 KP 400 | NS 200 | 0140103 | 2 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| KS 400 KSH 400 KSHF 400 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| KSPS 400 KT/KTGF 400 NH/NHF 400 QLC/QLK 400 | NS 200 | 0140103 | 2 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| QLC-KS/QLK-KS 400 | NS 160 | 0140102 | 2 | 21 | | 27 | 11 | M16 | M16x35 | 150 |

FORKARDT

Nutensteine | T-Nuts

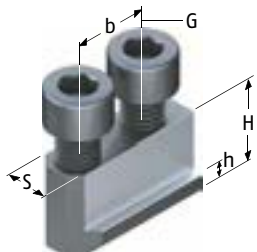
Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| UVE 400 KG 500 KL 500 KLNC 500 KP 500 KS 500 KSH 500 KT/KTGF 500 NH /NHF500 UVE 500 KS 630 KS-L 630 KT/KTGF 630 NH/NHF 630 UVE 800 | NS 200 | 0140103 | 2 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| 3 KS 800 KS 800 3 KS 1000 KS 1000 KSF 1000 3 KS 1250 3 KS 1400 | NS 240 | 0140104 | 2 | 30 | | 41 | 15 | M24 | M24x50 | 450 |

Kombi-Nutensteine

- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Combi T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | S [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.-Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----|------------------------------------|---|
| KGH/KGHF 160 KL 160 KS 160 KSPS 160 KT 160 KTH 160 NH/NHF 160 QLC/QLK 160 UVE 160 | NK 120 | 0147107 | 17 | 23 | 9 | 19 | M12 | M12x30 | 70 |
| KGH/KGHF 175 KSF 175 KTH 175 NH/NHF 175 QLC/QLK 175 | NK 121 | 0145100 | 17 | 23 | 9 | 22 | M12 | M12x30 | 70 |
| 2 BLE 200 2 BLN 200 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| KG 200 KGH/KGHF 200 KL 200 KLNC 200 KP 200 KS 200 KSF 200 KSH 200 KSHF 200 KSPS 200 KT/KTGF 200 KTH 200 NH/NHF 200 QLC/QLK 200 QLC-KS/QLK-KS 200 UVE 200 | NK 120 | 0147107 | 17 | 23 | 9 | 19 | M12 | M12x30 | 70 |
| | NK 121 | 0145100 | 17 | 23 | 9 | 22 | M12 | M12x30 | 70 |
| 2 BLE 250 2 BLN 250 | NK 200 | 0145102 | 25.5 | 29 | 11 | 35 | M20 | M20x40 | 220 |
| KG 250 KL 250 KLNC 250 KP 250 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| KS 250 | NK 120 | 0147107 | 17 | 23 | 9 | 19 | M12 | M12x30 | 70 |
| | NK 121 | 0145100 | 17 | 23 | 9 | 22 | M12 | M12x30 | 70 |

FORKARDT

Nutensteine | T-Nuts

Kombi-Nutensteine

Combi T-Nuts

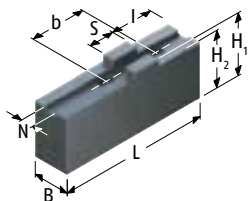
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | S [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.-Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----|------------------------------------|---|
| KSH 250 KSHF 250 KSPS 250 KT/KTGF 250 NH/NHF 250 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| NHF 250-17 | NK 120 | 0147107 | 17 | 23 | 9 | 19 | M12 | M12x30 | 70 |
| | NK 121 | 0145100 | 17 | 23 | 9 | 22 | M12 | M12x30 | 70 |
| QLC/QLK 250 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| QLC-KS/QLK-KS 250 UVE 250 | NK 120 | 0147107 | 17 | 23 | 9 | 19 | M12 | M12x30 | 70 |
| | NK 121 | 0145100 | 17 | 23 | 9 | 22 | M12 | M12x30 | 70 |
| KSPS 300 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| 2 BLE 315 2 BLN 315 | NK 200 | 0145102 | 25.5 | 29 | 11 | 35 | M20 | M20x40 | 220 |
| KG 315 KLNC 315 KP 315 KS 315 KSH 315 KSHF 315 KT/KTGF 315 NH/NHF 315 QLC/QLK 315 QLC-KS/QLK-KS 315 UVE 315 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| 2 BLE 400 2 BLN 400 KG 400 KL 400 KLNC 400 KP 400 | NK 200 | 0145102 | 25.5 | 29 | 11 | 35 | M20 | M20x40 | 220 |
| KS 400 KSH 400 KSHF 400 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| KSPS 400 KT/KTGF 400 NH/NHF 400 QLC/QLK 400 | NK 200 | 0145102 | 25.5 | 29 | 11 | 35 | M20 | M20x40 | 220 |
| QLC-KS/QLK-KS 400 | NK 160 | 0145101 | 21 | 27 | 11 | 28 | M16 | M16x35 | 150 |
| UVE 400 KG 500 KL 500 KLNC 500 KP 500 KS 500 KSH 500 KT/KTGF 500 NH /NHF500 UVE 500 KS 630 KSHF 630 KS-L 630 KT/KTGF 630 NH/NHF 630 UVE 800 | NK 200 | 0145102 | 25.5 | 29 | 11 | 35 | M20 | M20x40 | 220 |

FORKARDT

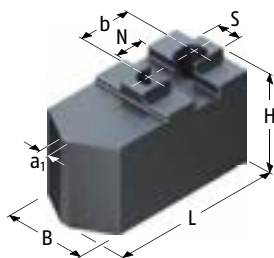
Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

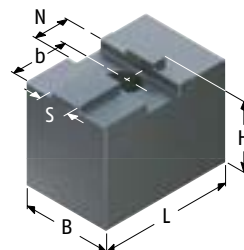
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



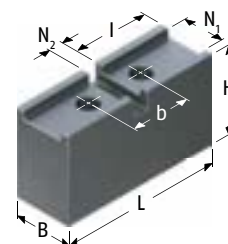
Ausführung 1 | *Version 1*



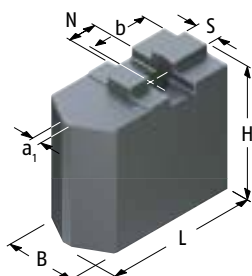
Ausführung 2 | *Version 2*



Ausführung 3 | *Version 3*



Ausführung 4 | *Version 4*



Ausführung 5 | *Version 5*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | m/Set [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|------------------------|---------------|
| KTHS 110 | SRK 112 | 0136103 | 2 | 8 | 10 | 25 | 30 | | | 53 | | 4 | 18 | M8 | 0.67 | |
| 2 BLE 125 2 BLN 125 | 2 SWKK 125 | 0126100 | 3 | 16 | 14 | 40 | 48 | | | 60 | | | 29 | M12 | 1.5 | |
| F+ 125 F 125 | SFA 125 | 0153099 | 4 | 14 | 5 | 20 | 30 | 30 | | 55 | 25 | | 20 | M6 | 0.6 | |
| KG 130 | SBK 130 | 0135100 | 5 | 13 | 8 | 30 | 45 | | | 60 | | 4 | 26.5 | M12 | 1.36 | |
| KGH 130 | SRK 132 | 0136112 | 2 | 8 | 10 | 25 | 30 | | | 60 | | 3 | 22 | M8 | 0.76 | |
| KS 130 | SBK 130 | 0135100 | 5 | 13 | 8 | 30 | 45 | | | 60 | | 4 | 26.5 | M12 | 1.36 | |
| 2 BLE 160 2 BLN 160 | 2 SWKK 160 | 0126101 | 3 | 18 | 18 | 60 | 60 | | | 76 | | | 35 | M16 | 3.5 | |
| F+ 160 F 160 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 | |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 | |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 | |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 | |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 | |
| KG 160 | SRK 160 | 0136105 | 2 | 10 | 16 | 40 | 60 | | | 76 | | 4 | 25 | M12 | 2.9 | |

Passende Grundbacken finden Sie ab Seite 310.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 310.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 |
| F+ 200 F 200 FNC 200 | SFA 200 | 0153101 | 1 | 10 | 20 | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 |
| KG 200 | SRK 200 | 0136106 | 2 | 12 | 16 | 40 | 60 | | | 94 | | 8 | 30 | M12 | 3.9 |
| KTNC 200 KTNCV 200 | SFA 200 | 0153101 | 1 | 10 | 20 | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 |
| F+ 250 F 250 FNC 250 | SFA 200-C5 | 0154132 | 1 | 10 | 20 | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 |
| | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| KG 250 | SRK 250 | 0136107 | 2 | 16 | 20 | 50 | 80 | | | 117 | | 12 | 40 | M16 | 8.2 |
| KTNC 250 KTNCV 250 | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 | |
| SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 | |
| SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 | |



Passende Grundbacken finden Sie ab Seite 310.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.





For suitable base jaw see page 310.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|----------------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|---------------------|-------------------------|
| F+ 315 F 315 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| | SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| FNC 315 KTNC 315 KTNCV 315 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| KTNC 360 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| | SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| F+ 400 F 400 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |

 Passende Grundbacken finden Sie ab Seite 310.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable base jaw see page 310.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| FNC 400 KTNC 400 KTNCV 400 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| F+ 630 F 630 | SFA 630 | 0153106 | 1 | 24 | 40 | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 39.6 |
| FNC 630 KTNC 630 KTNCV 630 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |



Passende Grundbacken finden Sie ab Seite 310.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 310.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

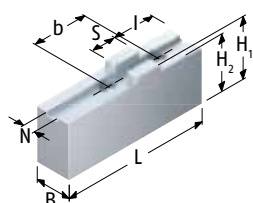
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Metrischer Kreuzversatz

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Metric tongue and groove

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminium



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | SFA-AL 160 | 0172100 | 8 | 18 | 25 | 50 | 46 | 85 | 25 | 32 | M8 | 0.7 |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | SFA-AL 200 | 0172102 | 10 | 20 | 25 | 50 | 46 | 105 | 35 | 40 | M8 | 0.9 |
| F+ 250 F 250 FNC 250 KTNC 250 KTNCV 250 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| F+ 315 F 315 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| FNC 315 KTNC 315 KTNCV 315 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| KTNC 360 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| F+ 400 F 400 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| FNC 400 KTNC 400 KTNCV 400 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| F+ 630 F 630 | SFA-AL 630 | 0172106 | 24 | 40 | 65 | 118 | 110 | 260 | 70 | 82 | M20 | 14.8 |
| FNC 630 KTNC 630 KTNCV 630 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |

Passende Grundbacken finden Sie ab Seite 310.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 310.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

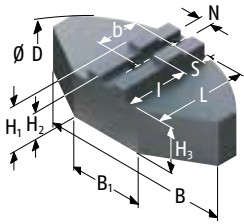
Weiche Segmentbacken | *Soft Full Grip Jaws*

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | SFA-SM 160 | 0173100 | 8 | 18 | 120 | 40 | 160 | 50 | 46 | 40 | 60 | 23 | 32 | M8 | 4.8 |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | SFA-SM 200 | 0173101 | 10 | 20 | 140 | 64 | 200 | 60 | 56 | 50 | 70 | 27 | 40 | M8 | 9 |
| | SFA-SM 201 | 0173105 | 10 | 20 | 140 | 64 | 200 | 80 | 76 | 70 | 70 | 27 | 40 | M8 | 12.5 |
| F+ 250 F 250 FNC 250 KTNC 250 KTNCV 250 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| F+ 315 F 315 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| FNC 315 KTNC 315 KTNCV 315 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| KTNC 360 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| F+ 400 F 400 | SFA-SM 400 | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |
| FNC 400 KTNC 400 KTNCV 400 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 FNC 630 KTNC 630 KTNCV 630 | SFA-SM 400 | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |



Passende Grundbacken finden Sie ab Seite 310.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 310.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

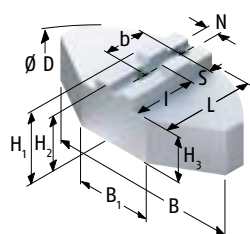
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | SFA-SA 160 | 0174100 | 8 | 18 | 120 | 40 | 165 | 50 | 46 | 40 | 59.5 | 23 | 32 | M8 | 1.8 |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | SFA-SA 200 | 0174101 | 10 | 20 | 140 | 50 | 200 | 58 | 54 | 48 | 72.5 | 32 | 40 | M8 | 3.5 |
| | SFA-SA 201 | 0174105 | 10 | 20 | 140 | 50 | 200 | 80 | 76 | 70 | 72.5 | 32 | 40 | M8 | 4.7 |
| F+ 250 F 250 | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| FNC 250 KTNC 250 KTNCV 250 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| F+ 315 F 315 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| FNC 315 KTNC 315 KTNCV 315 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| KTNC 360 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| F+ 400 F 400 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |
| FNC 400 KTNC 400 KTNCV 400 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 FNC 630 KTNC 630 KTNCV 630 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |



Passende Grundbacken finden Sie ab Seite 310.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 310.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

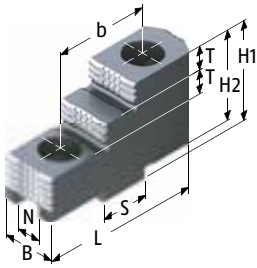
Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Metrischer Kreuzversatz

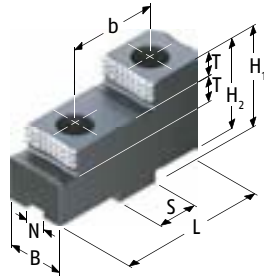
- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

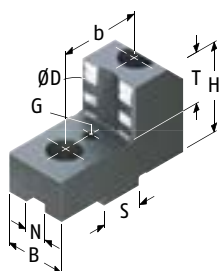
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | SHF 200 | 0155101 | 1 | 10 | 20 | 22 | 42 | 38 | 71.7 | 10 | 40 | M8 | 0.8 |
| F+ 250 F 250 FNC 250 KTNC 250 KTNCV 250 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| F+ 315 F 315 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| FNC 315 KTNC 315 KTNCV 315 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| KTNC 360 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| F+ 400 F 400 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| FNC 400 KTNC 400 KTNCV 400 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| F+ 630 F 630 | SHF 630 | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |
| FNC 630 KTNC 630 KTNCV 630 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |

FORKARDT

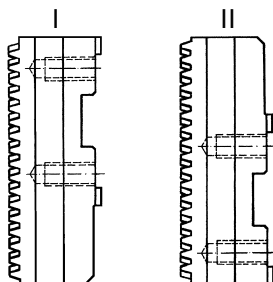
Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| F+ 160 | 27 - 53 | 210 | II | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 43 - 89 | 210 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 55 - 101 | 210 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 91 - 136 | 217 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 111 - 157 | 213 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| F 160 | 27 - 53 | 210 | II | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 42 - 88 | 209 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 56 - 101 | 210 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 90 - 135 | 216 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 111 - 157 | 213 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KTNC 160 | 49 - 84 | 206 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 62 - 97 | 207 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 96 - 132 | 213 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 117 - 153 | 210 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| FNC 175 | 50 - 107 | 228 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 97 - 154 | 235 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 117 - 175 | 232 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KTNCV 175 | 50 - 107 | 229 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 97 - 155 | 236 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 118 - 175 | 232 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| F+ 200 | 31 - 97 | 264 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 65 - 125 | 264 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 105 - 172 | 264 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 140 - 207 | 267 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |

Passende Grundbacken finden Sie ab Seite 310.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable base jaw see page 310.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| F 200 | 30 - 86 | 253 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 65 - 113 | 253 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 105 - 161 | 253 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 140 - 196 | 258 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| FNC 200 | 39 - 97 | 264 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 67 - 124 | 264 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 114 - 172 | 264 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 149 - 207 | 269 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KTNC 200 | 38 - 85 | 252 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 66 - 112 | 252 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 113 - 160 | 252 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 148 - 195 | 254 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KTNCV 200 | 39 - 97 | 264 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 67 - 124 | 264 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 114 - 172 | 264 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 149 - 207 | 269 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| F+ 250 | 31 - 97 | 321 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 75 - 155 | 321 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 149 - 230 | 324 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 183 - 252 | 326 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| F 250 | 31 - 97 | 321 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 75 - 155 | 321 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 149 - 230 | 324 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 182 - 252 | 326 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| FNC 250 | 31 - 107 | 331 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 83 - 165 | 331 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 157 - 240 | 334 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 190 - 262 | 336 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNC 250 | 31 - 96 | 320 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 85 - 154 | 320 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 160 - 217 | 311 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 193 - 251 | 327 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNCV 250 | 31 - 107 | 331 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 83 - 165 | 331 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 157 - 240 | 334 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 191 - 262 | 336 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| F+ 315 | 44 - 118 | 385 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 85 - 195 | 385 | I | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 119 - 226 | 385 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 192 - 304 | 392 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |


 Passende Grundbacken finden Sie ab Seite 310.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.


 For suitable base jaw see page 310.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| F 315 | 44 - 118 | 385 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 85 - 195 | 385 | I | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 119 - 226 | 385 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 192 - 304 | 392 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| FNC 315 | 31 - 142 | 367 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 86 - 200 | 367 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 118 - 234 | 367 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 191 - 310 | 384 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNC 315 | 31 - 108 | 332 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 85 - 166 | 332 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 118 - 199 | 332 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 193 - 275 | 349 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNCV 315 | 31 - 143 | 367 | I | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 83 - 201 | 367 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 118 - 234 | 367 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 191 - 310 | 384 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNC 360 | 45 - 107 | 374 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 104 - 185 | 376 | I | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 132 - 215 | 374 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 212 - 294 | 382 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| F+ 400 | 50 - 166 | 506 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 120 - 267 | 506 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 232 - 387 | 506 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| F 400 | 50 - 166 | 506 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 131 - 267 | 506 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 249 - 387 | 506 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| FNC 400 | 44 - 181 | 449 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 135 - 290 | 449 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 200 - 355 | 444 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| KTNC 400 | 45 - 154 | 422 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 136 - 262 | 422 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 215 - 342 | 430 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| KTNCV 400 | 55 - 208 | 476 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 161 - 316 | 476 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 215 - 370 | 458 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| F+ 500 | 50 - 250 | 591 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 147 - 352 | 591 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 265 - 472 | 591 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| F 500 | 50 - 249 | 590 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 130 - 351 | 590 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 248 - 470 | 590 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |

 Passende Grundbacken finden Sie ab Seite 310.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 310.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| FNC 500 | 55 - 239 | 579 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 152 - 340 | 579 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 269 - 458 | 577 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KTNC 500 | 50 - 179 | 520 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 128 - 280 | 520 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 246 - 400 | 520 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KTNCV 500 | 50 - 230 | 571 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 144 - 332 | 571 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 262 - 451 | 571 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| F+ 630 | 85 - 324 | 799 | II | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 209 - 485 | 799 | II | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 232 - 497 | 801 | I | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 392 - 658 | 801 | I | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| F 630 | 85 - 324 | 799 | II | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 209 - 485 | 799 | II | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 219 - 496 | 799 | I | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 379 - 656 | 799 | I | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| FNC 630 | 120 - 341 | 682 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 220 - 443 | 682 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 337 - 561 | 680 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KTNC 630 | 50 - 299 | 640 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 128 - 401 | 640 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 246 - 520 | 640 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KTNCV 630 | 50 - 332 | 673 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 146 - 434 | 673 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 262 - 553 | 673 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |



Passende Grundbacken finden Sie ab Seite 310.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



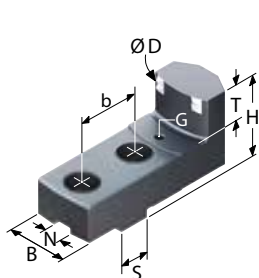
For suitable base jaw see page 310.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

FORKARDT

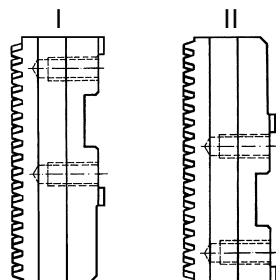
Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| F+ 200 | 54 - 111 | 263 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 133 | 263 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 114 - 181 | 263 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| F 200 | 54 - 100 | 252 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 85 - 122 | 252 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 113 - 170 | 252 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| FNC 200 | 54 - 111 | 263 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 133 | 263 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 123 - 181 | 263 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KTNC 200 | 53 - 99 | 250 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 84 - 121 | 251 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 122 - 168 | 251 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KTNCV 200 | 54 - 111 | 263 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 133 | 263 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 123 - 181 | 263 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| F+ 250 | 70 - 148 | 320 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 - 192 | 320 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 186 - 267 | 321 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| F 250 | 70 - 148 | 320 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 - 192 | 320 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 186 - 255 | 309 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| FNC 250 | 77 - 158 | 330 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 120 - 202 | 330 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 194 - 277 | 331 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |



Passende Grundbacken finden Sie ab Seite 310.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable base jaw see page 310.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


FORKARDT


Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KTNC 250 | 80 - 135 | 307 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 122 - 191 | 319 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 197 - 255 | 308 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNCV 250 | 77 - 158 | 330 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 120 - 202 | 330 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 195 - 278 | 331 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| F+ 315 | 92 - 192 | 384 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 117 - 223 | 384 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 189 - 301 | 384 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| F 315 | 93 - 192 | 384 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 117 - 223 | 384 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 190 - 300 | 384 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| FNC 315 | 77 - 194 | 366 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 194 - 313 | 367 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNC 315 | 80 - 159 | 331 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 122 - 203 | 331 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 197 - 279 | 333 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNCV 315 | 77 - 194 | 366 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 120 - 238 | 366 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 195 - 314 | 368 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KTNC 360 | 101 - 182 | 375 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 130 - 212 | 373 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 208 - 291 | 375 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| F+ 400 | 103 - 197 | 505 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 286 | 505 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 251 - 406 | 505 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| F 400 | 103 - 196 | 505 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 286 | 505 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 268 - 406 | 505 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| FNC 400 | 92 - 244 | 436 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 197 - 353 | 436 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KTNC 400 | 104 - 230 | 422 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 212 - 339 | 422 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KTNCV 400 | 104 - 258 | 451 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 211 - 367 | 451 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| F+ 500 | 103 - 281 | 590 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 166 - 371 | 590 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 284 - 491 | 590 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| F 500 | 103 - 280 | 588 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 157 - 370 | 588 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 267 - 489 | 588 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |

 Passende Grundbacken finden Sie ab Seite 310.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 310.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


FORKARDT


Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| FNC 500 | 103 - 269 | 578 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 171 - 359 | 578 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 288 - 477 | 576 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KTNC 500 | 103 - 210 | 519 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 265 - 418 | 519 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 299 - 157 | 519 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KTNCV 500 | 103 - 261 | 570 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 163 - 351 | 570 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 281 - 470 | 570 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| FNC 630 | 149 - 372 | 681 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 239 - 462 | 681 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 356 - 580 | 679 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KTNC 630 | 103 - 330 | 639 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 420 | 639 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 265 - 539 | 638 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KTNCV 630 | 103 - 363 | 672 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 164 - 453 | 672 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 281 - 573 | 672 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |

 Passende Grundbacken finden Sie ab Seite 310.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 310.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

FORKARDT

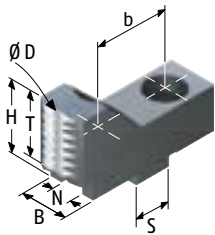
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Metrischer Kreuzversatz

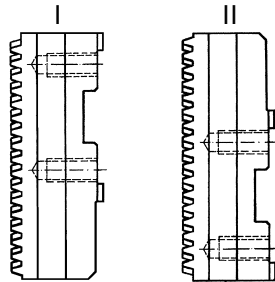
- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| F+ 200 | 10 – 76 | 264 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| F 200 | 10 – 65 | 253 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| FNC 200 | 18 – 76 | 264 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KTNC 200 | 17 – 63 | 252 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KTNCV 200 | 18 – 76 | 264 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| F+ 250 | 13 – 80 | 321 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| F 250 | 13 – 80 | 321 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| FNC 250 | 13 – 90 | 331 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KTNC 250 | 13 – 79 | 320 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KTNCV 250 | 14 – 90 | 331 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| F+ 315 | 14 – 102 | 385 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| F 315 | 14 – 102 | 385 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| FNC 315 | 13 – 126 | 367 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KTNC 315 | 13 – 91 | 332 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KTNCV 315 | 14 – 126 | 367 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KTNC 360 | 15 – 91 | 374 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| FNC 400 | 14 – 166 | 449 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| KTNC 400 | 15 – 139 | 422 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| KTNCV 400 | 38 – 193 | 476 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |

Passende Grundbacken finden Sie ab Seite 310.

For suitable base jaw see page 310.

FORKARDT

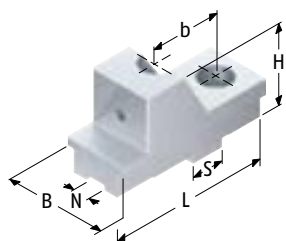
QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Metrischer Kreuzversatz

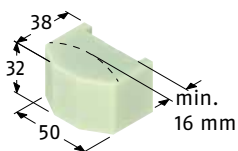
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung

Metric tongue and groove

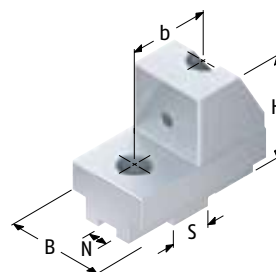
- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 – 0.4
- Gentle clamping



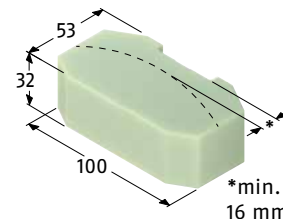
TRQK ...-1



QUENTES 10



TRQK ...-2



QUENTES 20

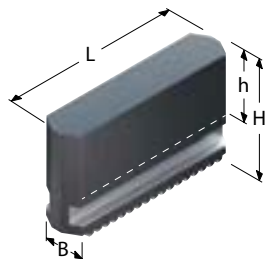
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | S [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|--|---|-----------------------------------|---------|---|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|------|
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | 20 – 67 | TRQK 160 | 0150024 | QUENTES 10 | 0150100 | 8 | 18 | 38 | 54 | 56 | 32 | M8 | 0.5 |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | 20 – 65 | TRQK 200-1 | 0150009 | QUENTES 10 | 0150100 | 10 | 20 | 38 | 54 | 91 | 40 | M8 | 0.74 |
| | 55 – 144 | TRQK 200-2 | 0150010 | QUENTES 20 | 0150200 | 10 | 20 | 40 | 58 | 72 | 40 | M8 | 0.76 |
| F+ 250 F 250 FNC 250 | 20 – 120 | TRQK 250-1 | 0150011 | QUENTES 10 | 0150100 | 12 | 20 | 38 | 53 | 98 | 40 | M12 | 0.8 |
| | 55 – 194 | TRQK 250-2 | 0150012 | QUENTES 20 | 0150200 | 12 | 20 | 40 | 57 | 72 | 40 | M12 | 0.7 |
| KTNC 250 KTNCV 250 | 20 – 72 | TRQK 250-1 | 0150011 | QUENTES 10 | 0150100 | 12 | 20 | 38 | 53 | 98 | 40 | M12 | 0.8 |
| | 55 – 194 | TRQK 250-2 | 0150012 | QUENTES 20 | 0150200 | 12 | 20 | 40 | 57 | 72 | 40 | M12 | 0.7 |

FORKARDT

Weiche Blockbacken | *Soft Monoblock Jaws*

Schräge Verzahnung

- Verzahnung und Nuten induktiv gehärtet und geschliffen
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: C45, vergütet



Angled serration

- Serration and slots inductive hardened and ground
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: C45, tempered

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | B [mm] | H [mm] | L [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|--------------------------------|
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | SMB 160 | 0163100 | 20 | 45 | 79 | 24 | 1.5 |
| | SMB-H 160 | 0163200 | 20 | 60 | 79 | 39 | 2 |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | SMB 200 | 0163101 | 22 | 60 | 94 | 35 | 2.6 |
| | SMB-H 200 | 0163201 | 22 | 80 | 94 | 55 | 3.6 |
| F+ 250 F 250 FNC 250 KTNC 250 KTNCV 250 | SMB 250 | 0163102 | 26 | 70 | 115 | 40 | 4.4 |
| | SMB-H 250 | 0163202 | 26 | 100 | 115 | 70 | 6.5 |
| F+ 315 F 315 | SMB 315 | 0163103 | 32 | 81 | 140 | 46 | 7.5 |
| | SMB-H 315 | 0163203 | 32 | 135 | 140 | 100 | 13 |
| FNC 315 KTNC 315 KTNCV 315 | SMB 250 | 0163102 | 26 | 70 | 115 | 40 | 4.4 |
| | SMB-H 250 | 0163202 | 26 | 100 | 115 | 70 | 6.5 |
| KTNC 360 | SMB 315 | 0163103 | 32 | 81 | 140 | 46 | 7.5 |
| | SMB-H 315 | 0163203 | 32 | 135 | 140 | 100 | 13 |
| F+ 400 F 400 | SMB 400 | 0163104 | 45 | 93 | 176 | 53 | 15 |
| | SMB 500 | 0163105 | 45 | 130 | 176 | 90 | 21.6 |
| FNC 400 KTNC 400 KTNCV 400 | SMB 315 | 0163103 | 32 | 81 | 140 | 46 | 7.5 |
| | SMB-H 315 | 0163203 | 32 | 135 | 140 | 100 | 13 |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 FNC 630 KTNC 630 KTNCV 630 | SMB 400 | 0163104 | 45 | 93 | 176 | 53 | 15 |
| | SMB 500 | 0163105 | 45 | 130 | 176 | 90 | 21.6 |

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

FORKARDT

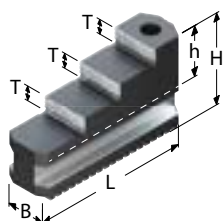
Harte Stufenblockbacken | *Hard Stepped Block Jaws*

Schräge Verzahnung

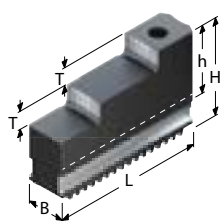
- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, einsatzgehärtet

Angled serration

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, case-hardened



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|--------------------------------|
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | STF 160 | 0161100 | 1 | 20 | 45 | 79 | 7.5 | 24 | 1.1 |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | STF 200 | 0161101 | 1 | 22 | 60 | 94 | 10 | 35 | 1.9 |
| F+ 250 F 250 FNC 250 KTNC 250 KTNCV 250 | STF 250 | 0161102 | 2 | 26 | 70 | 114 | 14 | 40 | 3.3 |
| F+ 315 F 315 FNC 315 KTNC 315 KTNCV 315 | STF 315 | 0161103 | 2 | 32 | 81 | 129 | 15 | 46 | 5.5 |
| KTNC 360 | STF 315 | 0161103 | 2 | 32 | 81 | 129 | 15 | 46 | 5.5 |
| F+ 400 F 400 FNC 400 KTNC 400 KTNCV 400 | STF 400 | 0161104 | 2 | 45 | 93 | 167 | 20 | 52 | 10.8 |
| FNC 400 KTNC 400 KTNCV 400 | STF 315 | 0161103 | 2 | 32 | 81 | 129 | 15 | 46 | 5.5 |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 FNC 630 KTNC 630 KTNCV 630 | STF 400 | 0161104 | 2 | 45 | 93 | 167 | 20 | 52 | 10.8 |

FORKARDT

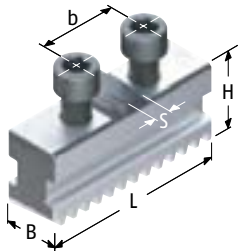
Grundbacken | Base jaws

Schräge Verzahnung

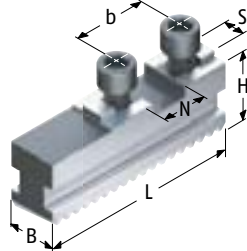
- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben (außer Type EWB-TG)

Angled serration

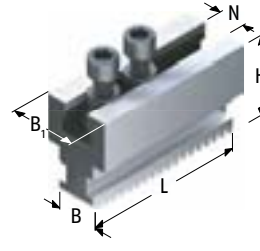
- Base Jaws for Top Jaws
- Hardened and precision ground
- Delivery unit: 1 set = 3 pieces
- Including screws (except Type EWB-TG)



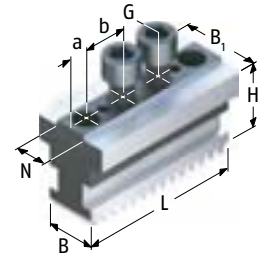
Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3



Ausführung 4 | Version 4

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung N Version | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] | |
|--|----------------------------|---------|-------------|-------------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|-----|
| F+ 125 F 125 | SFG 125 | 0157099 | MT* | 1 | 5 | 14 | | 19.5 | 47 | | 20 | M6 | 0.3 | |
| F+ 160 F 160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 | SFG 160 | 0157100 | MT* | 2 | 18 | 8 | 20 | 27 | 74 | | 32 | M8x1 | 0.8 | |
| | SFGK 160 | 0157500 | MT* | 2 | 18 | 8 | 20 | 27 | 64 | | 32 | M8x1 | 0.7 | |
| | SFG-V 160 ¹³⁾ | 0157150 | MT* | 2 | 18 | 8 | 20 | 27 | 74 | | 32 | M8x1 | 0.8 | |
| F+ 200 F 200 FNC 200 KTNC 200 KTNCV 200 | SFG 200 | 0157101 | MT* | 2 | 20 | 10 | 22 | 32 | 90 | | 40 | M8x1 | 1.2 | |
| | SFGK 200 | 0157501 | MT* | 2 | 20 | 10 | 22 | 32 | 80 | | 40 | M8x1 | 1.1 | |
| | SFGL 200 | 0157121 | MT* | 2 | 20 | 10 | 22 | 32 | 110 | | 40 | M8x1 | 1.5 | |
| | SFG-V 200 ¹³⁾ | 0157151 | MT* | 2 | 20 | 10 | 22 | 32 | 88 | | 40 | M8x1 | 1.2 | |
| | STB 200 | 0156099 | 1/16" x 90° | 3 | 17 | | 22 | 45 | 61 | 80 | | | M12x1 | 3.4 |
| F+ 250 F 250 FNC 250 KTNC 250 KTNCV 250 | SFG 250 | 0157102 | MT* | 2 | 20 | 12 | 26 | 37 | 110 | | 40 | M12x1,5 | 2 | |
| | SFGK 250 | 0157502 | MT* | 2 | 20 | 12 | 26 | 37 | 91 | | 40 | M12x1,5 | 1.6 | |
| | SFGL 250 | 0157112 | MT* | 2 | 20 | 12 | 26 | 37 | 122 | | 40 | M12x1,5 | 2.3 | |
| | SFG-V 250 ¹³⁾ | 0157152 | MT* | 2 | 20 | 12 | 26 | 37 | 110 | | 40 | M12x1,5 | 2 | |
| | STB 250-1 | 0156100 | 1/16" x 90° | 3 | 17 | | 26 | 45 | 65 | 110 | | | M12 | 4.9 |
| | STB 250-2 | 0156101 | 1/16" x 90° | 3 | 21 | | 26 | 54 | 70 | 110 | | | M16 | 5.2 |
| | STN 250-4 | 0160501 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4.2 |
| F+ 315 F 315 | SFG 315 | 0157103 | MT* | 2 | 26 | 12 | 32 | 43 | 125 | | 54 | M12x1,5 | 3.1 | |
| | SFGL 315 | 0157123 | MT* | 2 | 26 | 12 | 32 | 43 | 160 | | 54 | M12x1,5 | 4 | |
| | SFG-V 315 ¹³⁾ | 0157153 | MT* | 2 | 26 | 12 | 32 | 46 | 125 | | 54 | M12x1,5 | 3.1 | |
| | STB 315-2 | 0156103 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |

Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

For suitable jaw mounting spare screws see catalog chapter "Accessories".

Schräge Verzahnung


Angled serration

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung N Version | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] | |
|---|----------------------------|---------|-------------|-------------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|------|
| FNC 315 KTNC 315 KTNCV 315 | SFG 250 | 0157102 | MT* | 2 | 20 | 12 | 26 | | 37 | 110 | | 40 | M12x1,5 | 2 |
| | SFGK 250 | 0157502 | MT* | 2 | 20 | 12 | 26 | | 37 | 91 | | 40 | M12x1,5 | 1.6 |
| | SFGL 250 | 0157112 | MT* | 2 | 20 | 12 | 26 | | 37 | 122 | | 40 | M12x1,5 | 2.3 |
| | SFG-V 250 ¹³⁾ | 0157152 | MT* | 2 | 20 | 12 | 26 | | 40 | 110 | | 40 | M12x1,5 | 2 |
| | STB 250-1 | 0156100 | 1/16" x 90° | 3 | 17 | | 26 | 45 | 65 | 110 | | | M12 | 4.9 |
| | STB 250-2 | 0156101 | 1/16" x 90° | 3 | 21 | | 26 | 54 | 70 | 110 | | | M16 | 5.2 |
| | STN 250-4 | 0160501 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4.2 |
| KTNC 360 | SFG 315 | 0157103 | MT* | 2 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | SFGL 315 | 0157123 | MT* | 2 | 26 | 12 | 32 | | 43 | 160 | | 54 | M12x1,5 | 4 |
| | SFG-V 315 ¹³⁾ | 0157153 | MT* | 2 | 26 | 12 | 32 | | 46 | 125 | | 54 | M12x1,5 | 3.1 |
| | STB 315-2 | 0156103 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| F+ 400 F 400 | SFG 400 | 0157104 | MT* | 2 | 30 | 18 | 45 | | 51 | 160 | | 60 | M16x1.5 | 7.2 |
| | SFGL 400 | 0157124 | MT* | 2 | 30 | 18 | 45 | | 51 | 200 | | 60 | M16x1.5 | 8.6 |
| | STB 400-1 | 0156104 | 1/16" x 90° | 3 | 21 | | 45 | 54 | 80 | 160 | | | M16 | 12 |
| | STB 400-2 | 0156105 | 3/32" x 90° | 3 | 25.5 | | 45 | 64 | 82 | 160 | | | M20 | 12.2 |
| FNC 400 KTNC 400 KTNCV 400 | SFG 315 | 0157103 | MT* | 2 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | SFGL 315 | 0157123 | MT* | 2 | 26 | 12 | 32 | | 43 | 160 | | 54 | M12x1,5 | 4 |
| | SFG-V 315 ¹³⁾ | 0157153 | MT* | 2 | 26 | 12 | 32 | | 46 | 125 | | 54 | M12x1,5 | 3.1 |
| | STB 315-2 | 0156103 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| F+ 500 F 500 FNC 500 KTNC 500 KTNCV 500 | SFG 400 | 0157104 | MT* | 2 | 30 | 18 | 45 | | 51 | 160 | | 60 | M16x1.5 | 7.2 |
| | SFGL 400 | 0157124 | MT* | 2 | 30 | 18 | 45 | | 51 | 200 | | 60 | M16x1.5 | 8.6 |
| | STB 400-1 | 0156104 | 1/16" x 90° | 3 | 21 | | 45 | 54 | 80 | 160 | | | M16 | 12 |
| | STB 400-2 | 0156105 | 3/32" x 90° | 3 | 25.5 | | 45 | 64 | 82 | 160 | | | M20 | 12.2 |
| F+ 630 F 630 | SFG 630 | 0157106 | MT* | 2 | 40 | 24 | 65 | | 58 | 230 | | 82 | M20 | 17.1 |
| FNC 630 KTNC 630 KTNCV 630 | SFG 400 | 0157104 | MT* | 2 | 30 | 18 | 45 | | 51 | 160 | | 60 | M16x1.5 | 7.2 |
| | SFGL 400 | 0157124 | MT* | 2 | 30 | 18 | 45 | | 51 | 200 | | 60 | M16x1.5 | 8.6 |
| | STB 400-1 | 0156104 | 1/16" x 90° | 3 | 21 | | 45 | 54 | 80 | 160 | | | M16 | 12 |
| | STB 400-2 | 0156105 | 3/32" x 90° | 3 | 25.5 | | 45 | 64 | 82 | 160 | | | M20 | 12.2 |

* MT = Metrischer Kreuzversatz
 AT = Amerikanischer Kreuzversatz
 13) 1/2 Zahnversatz

* MT = Metric tongue and groove
 AT = American standard tongue and groove
 13) 1/2 Tooth pitch

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

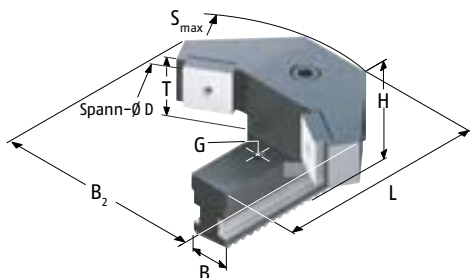
 For suitable jaw mounting spare screws see catalog chapter "Accessories".

FORKARDT

Pendelbacken | *Pendulum Jaws*

Schräge Verzahnung

• Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke



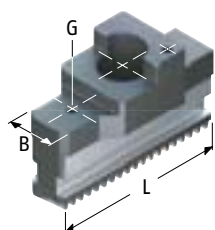
Angled serration

• Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.

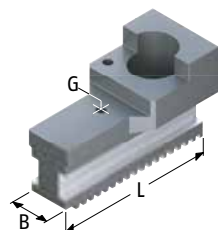
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| F+ 200 F 200 | 46 - 86 | 225 | PNK-S 200-2 | 0190651 | PT-FR 200-1 | 0191533 | PB 200-1 | 0192126 |
| | 78 - 118 | 240 | PNK-S 200-6 | 0190655 | PT-FR 200-2 | 0191534 | PB 200-3 | 0192128 |
| | 108 - 148 | 240 | PNK-S 200-8 | 0190657 | PT-FR 200-2 | 0191534 | PB 200-4 | 0192129 |
| KTNC 200 KTNCV 200 | 49 - 86 | 225 | PNK-S 200-2 | 0190651 | PT-FR 200-1 | 0191533 | PB 200-1 | 0192126 |
| | 89 - 117 | 239 | PNK-S 200-6 | 0190655 | PT-FR 200-2 | 0191534 | PB 200-3 | 0192128 |
| | 109 - 147 | 239 | PNK-S 200-8 | 0190657 | PT-FR 200-2 | 0191534 | PB 200-4 | 0192129 |
| F+ 250 F 250 | 45 - 91 | 274 | PNK-S 250-2 | 0190551 | PT-FR 250-1 | 0191509 | PB 250-1 | 0192100 |
| | 89 - 111 | 285 | PNK-S 250-6 | 0190555 | PT-FR 250-1 | 0191509 | PB 250-3 | 0192102 |
| | 115 - 182 | 307 | PNK-S 250-8 | 0190557 | PT-FR 250-2 | 0191510 | PB 250-4 | 0192103 |
| | 124 - 191 | 307 | PNK-S 250-10 | 0190559 | PT-FR 250-2 | 0191510 | PB 250-5 | 0192104 |
| KTNC 250 KTNCV 250 | 45 - 91 | 274 | PNK-S 250-2 | 0190551 | PT-FR 250-1 | 0191509 | PB 250-1 | 0192100 |
| | 89 - 111 | 285 | PNK-S 250-6 | 0190555 | PT-FR 250-1 | 0191509 | PB 250-3 | 0192102 |
| | 125 - 182 | 307 | PNK-S 250-8 | 0190557 | PT-FR 250-2 | 0191510 | PB 250-4 | 0192103 |
| | 134 - 191 | 307 | PNK-S 250-10 | 0190559 | PT-FR 250-2 | 0191510 | PB 250-5 | 0192104 |
| F+ 315 F 315 | 109 - 195 | 357 | PNK-S 400-1 | 0190568 | PT-FR 400-1 | 0191513 | PB 400-1 | 0192110 |
| | 174 - 268 | 460 | PNK-S 400-3 | 0190570 | PT-FR 400-2 | 0191514 | PB 400-2 | 0192111 |
| FNC 315 | 80 - 112 | 300 | PNK-S 315-2 | 0190561 | PT-FR 315-1 | 0191511 | PB 315-1 | 0192105 |
| | 99 - 161 | 341 | PNK-S 315-4 | 0190563 | PT-FR 315-1 | 0191511 | PB 315-2 | 0192106 |
| | 157 - 250 | 370 | PNK-S 315-8 | 0190567 | PT-FR 315-2 | 0191512 | PB 315-4 | 0192108 |
| F+ 400 F 400 | 121 - 201 | 470 | PKN-S 500-1 | 0190574 | PT-FR 500-1 | 0191515 | PB 400-1 | 0192110 |
| | 160 - 215 | 507 | PNK-S 500-3 | 0190576 | PT-FR 500-1 | 0191515 | PB 400-2 | 0192111 |
| | 221 - 287 | 482 | PNK-S 500-5 | 0190578 | PT-FR 500-2 | 0191516 | PB 400-2 | 0192111 |
| | 251 - 351 | 521 | PNK-S 500-7 | 0190580 | PT-FR 500-2 | 0191516 | PB 400-3 | 0192112 |
| FNC 400 | 120 - 201 | 364 | PNK-S 400-1 | 0190568 | PT-FR 400-1 | 0191513 | PB 400-1 | 0192110 |
| | 168 - 287 | 482 | PNK-S 400-3 | 0190570 | PT-FR 400-2 | 0191514 | PB 400-2 | 0192111 |
| | 225 - 344 | 511 | PNK-S 400-5 | 0190572 | PT-FR 400-2 | 0191514 | PB 400-3 | 0192112 |

Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.

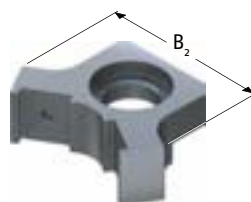
For suitable hard and soft clamping inserts see catalog chapter "Accessories".



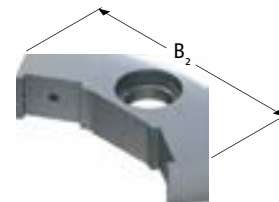
PT-FR / PT-S ...-1



PT-FR / PT-S ...-2 - 4



PB ...-1

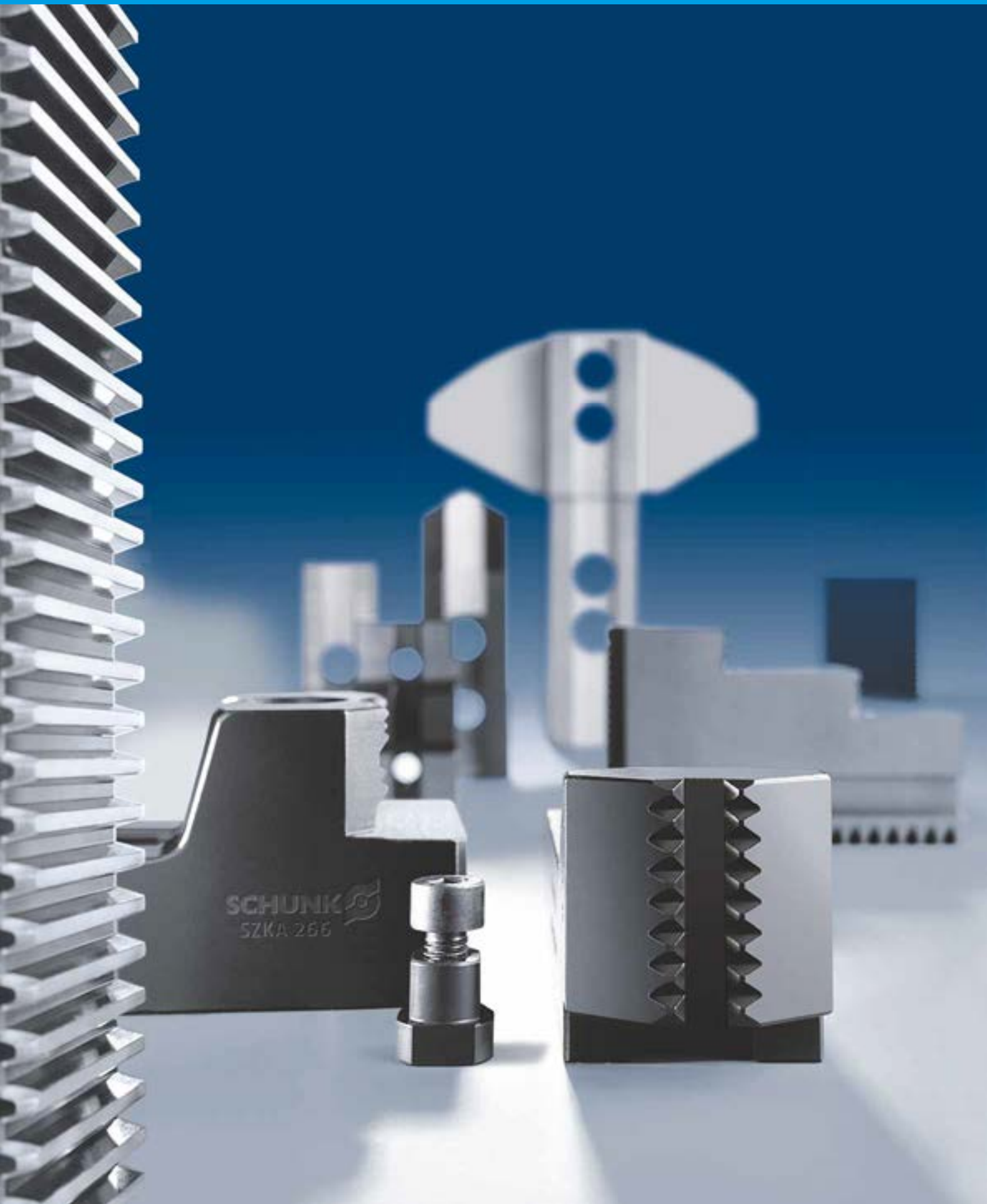


PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | Spanneinsatz Clamping insert | ID | B | B2 | H [mm] | L [mm] | T [mm] | G | m/Stück m/piece [kg] |
|---------------------------------|---------|---------------------------------|---------|----|-----|-----------|-----------|-----------|----|----------------------------|
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.3 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.7 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 2 |
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.3 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.7 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 2 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 2.4 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.7 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.6 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 145 | 83 | 104 | 40 | M6 | 2.7 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 2.4 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.7 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.6 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 145 | 83 | 104 | 40 | M6 | 2.7 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 32 | 150 | 99 | 125 | 50 | M8 | 3.7 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 32 | 205 | 99 | 165 | 50 | M8 | 5.5 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 26 | 95 | 88 | 115 | 40 | M6 | 6.9 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 26 | 130 | 88 | 115 | 40 | M6 | 7.6 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 26 | 180 | 88 | 118.5 | 40 | M6 | 9.4 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 45 | 150 | 118 | 167 | 50 | M8 | 5.4 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 240 | 118 | 167 | 50 | M8 | 6.5 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 205 | 118 | 180 | 50 | M8 | 8.2 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 240 | 118 | 180 | 50 | M8 | 8.4 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 32 | 150 | 99 | 125 | 50 | M8 | 3.7 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 32 | 205 | 99 | 165 | 50 | M8 | 5.5 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 32 | 240 | 99 | 165 | 50 | M8 | 5.7 |

Bei Kraftspannfuttern können Spannücken entstehen. Um diese Spannücken zu überbrücken sind im Lieferumfang 2 verschiedene Spanneinsätze enthalten.

If pendulum jaws are used on power lathe chucks, gaps may occur. For covering these gaps, we are supplying 2 different clamping inserts, which belong to the scope of delivery.



SCHUNK
SZKA 266



HOWA Spannbacken

HOWA Chuck Jaws

Spitzverzahnung Seite

| Rohteilspannung | | |
|---------------------------|-----------------|-----|
| Harte Stufenaufsatzbacken | Außenspannung | 325 |
| | Innenspannung | 325 |
| Harte Krallenbacken | Außenspannung | 326 |
| | Innenspannung | 329 |
| | Stangenspannung | 330 |

| Fertigteilspannung | | |
|-----------------------------|------------|-----|
| Weiche Aufsatzbacken | Universell | 317 |
| Weiche Segmentaufsatzbacken | Universell | 321 |
| Backenrohlinge | Geböhrt | 316 |
| | Ungebohrt | 316 |
| Verzahnte Stangen | Universell | 323 |

| Deformationsarmes Spannen | | |
|-----------------------------|--|-----|
| Weiche Segmentaufsatzbacken | | 321 |

| Nutensteine | | |
|-------------|--|-----|
| Nutensteine | | 331 |

Zubehör ab Seite 694

Fine Serration Page

| Raw part clamping | | |
|-----------------------|---------------|-----|
| Hard stepped top jaws | O.D. clamping | 325 |
| | I.D. clamping | 325 |
| Hard claw jaws | O.D. clamping | 326 |
| | I.D. clamping | 329 |
| | Bar clamping | 330 |

| Finished parts clamping | | |
|-------------------------|--------------------|-----|
| Soft top jaws | universally | 317 |
| Soft full grip top jaws | universally | 321 |
| Jaw blanks | with bolt holes | 316 |
| | without bolt holes | 316 |
| Serrated bars | universally | 323 |

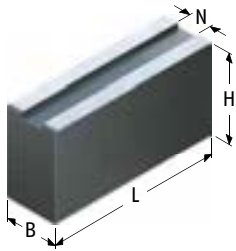
| Low-deformation clamping | | |
|--------------------------|--|-----|
| Soft full grip top jaws | | 321 |

| T-nuts | | |
|--------|--|-----|
| T-nuts | | 331 |

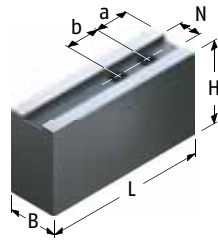
Available accessories from page 694

Spitzverzahnung 1,5 mm x 60°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1,5 mm x 60°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|---------|---------|---------|----|----|-----|-----|----|----|-----|-----|---------|---------|---------|----|----|-----|-----|----|----|-----|-----|---------|---------|---------|----|----|-----|-----|----|----|-----|-----|---------|---------|---------|----|----|-----|-----|----|----|-----|-----|---------|---------|---------|----|----|----|----|----|----|-----|-----|---------|---------|---------|----|----|-----|----|----|----|-----|-----|---------|---------|---------|----|----|----|----|----|----|-----|-----|
| HO 1 MA 4 HO 1 MA 5 HO 24 M 5 | SBMJ 50 | 0132149 | 0133149 | 10 | 22 | 47 | 55 | 8 | 14 | M8 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HO 15 M 6 HO 22 M 6 HO 24 M 6 HO 27 M 6 HO 37 M 6 HO 47 M 6 HO 7 MA 6 | | | | | | | | | | | | SBMJ 70 | 0132150 | 0133150 | 12 | 35 | 60 | 80 | 12 | 20 | M10 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HO 15 M 8 HO 23 M 8 HO 7 MA 8 | | | | | | | | | | | | | | | | | | | | | | | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 | | | | | | | | | | | |
| | | | | | | | | | | | | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HO 22 M 8 HO 24 M 8 HO 27 M 8 HO 37 M 8 HO 47 M 8 HO 15 M 10 HO 23 M 10 HO 7 MA 10 | JBM 100 | 0114412 | 0114442 | 16 | 40 | 80 | 120 | 13 | 30 | M12 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | JBM 101 | 0114410 | 0114440 | 16 | 40 | 60 | 90 | 13 | 30 | M12 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | JBM 102 | 0114411 | 0114441 | 16 | 40 | 60 | 110 | 13 | 30 | M12 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 103 | 0114413 | 0114443 | 16 | 40 | 100 | 110 | 13 | 30 | M12 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 104 | 0114414 | 0114444 | 16 | 50 | 120 | 110 | 13 | 30 | M12 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 105 | 0114415 | 0114445 | 16 | 60 | 60 | 95 | 13 | 30 | M12 | 2.7 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 106 | 0114416 | 0114446 | 16 | 60 | 90 | 95 | 13 | 30 | M12 | 4 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 107 | 0114417 | 0114447 | 16 | 80 | 60 | 95 | 13 | 30 | M12 | 3.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HO 27 M 12 HO 37 M 12 HO 47 M 12 | JBM 121 | 0114421 | 0114451 | 21 | 50 | 80 | 130 | 15 | 30 | M16 | 4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | JBM 122 | 0114422 | 0114452 | 21 | 50 | 120 | 130 | 15 | 30 | M16 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | JBM 123 | 0114423 | 0114453 | 21 | 60 | 150 | 130 | 15 | 30 | M16 | 8.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JBM 124 | 0114424 | 0114454 | 21 | 80 | 80 | 130 | 15 | 30 | M16 | 6.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

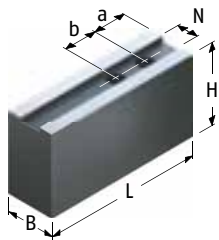
For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

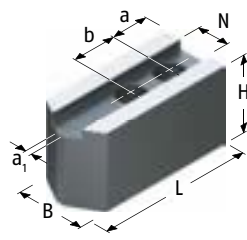
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

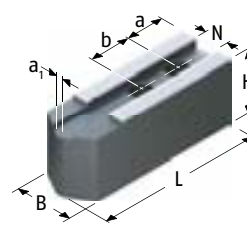
- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|---------------------|-------------------------|
| HO 1 MA 4 | H-WB 43 | 0132142 | 1 | 10 | 25 | 32 | 54 | | 10 | 14 | M8 | 0.8 |
| | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| HO 27 M 4 | H-WB 44 | 0132143 | 1 | 11 | 25 | 32 | 46 | | 8.5 | 16 | M8 | 0.6 |
| HO 1 MA 5 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| HO 24 M 5 | H-WB 43 | 0132142 | 1 | 10 | 25 | 32 | 54 | | 10 | 14 | M8 | 0.8 |
| | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| HO 27 M 5 | H-WB 44 | 0132143 | 1 | 11 | 25 | 32 | 46 | | 8.5 | 16 | M8 | 0.6 |
| HO 15 M 6 | KM-WB 61 | 0130128 | 1 | 12 | 35 | 60 | 72 | | 15 | 20 | M10 | 2.9 |
| HO 22 M 6 | KM-WB 66 | 0132138 | 1 | 12 | 32 | 32 | 72 | | 15 | 20 | M10 | 1.4 |
| HO 24 M 6 | KM-WBL 60 | 0132600 | 3 | 12 | 32 | 32 | 82 | 4 | 15 | 20 | M10 | 1.5 |
| HO 27 M 6 | | | | | | | | | | | | |
| HO 37 M 6 | KM-WBL 62 | 0132606 | 3 | 12 | 35 | 60 | 82 | 4 | 15 | 20 | M10 | 3.6 |
| HO 47 M 6 | | | | | | | | | | | | |
| HO 7 MA 6 | | | | | | | | | | | | |
| HO 15 M 8 | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 |
| | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 |
| | KM-WBL 80 | 0132601 | 3 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 |
| | KM-WBL 81 | 0132607 | 3 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 |
| | KM-WBL 82 | 0132615 | 3 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 |
| HO 22 M 8 | H-WB 82 | 0130120 | 1 | 16 | 40 | 60 | 86 | | 20 | 25 | M12 | 4.1 |
| | H-WB 84 | 0132146 | 1 | 16 | 40 | 40 | 85 | | 20 | 25 | M12 | 2.6 |
| | H-WBL 82 | 0130602 | 3 | 16 | 40 | 40 | 102 | 4 | 20 | 25 | M12 | 3 |

Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|---------------------|-------------------------|
| HO 23 M 8 | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 |
| | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 |
| | KM-WBL 80 | 0132601 | 3 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 |
| | KM-WBL 81 | 0132607 | 3 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 |
| | KM-WBL 82 | 0132615 | 3 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 |
| HO 24 M 8 HO 27 M 8 HO 37 M 8 HO 47 M 8 | H-WB 82 | 0130120 | 1 | 16 | 40 | 60 | 86 | | 20 | 25 | M12 | 4.1 |
| | H-WB 84 | 0132146 | 1 | 16 | 40 | 40 | 85 | | 20 | 25 | M12 | 2.6 |
| | H-WBL 82 | 0130602 | 3 | 16 | 40 | 40 | 102 | 4 | 20 | 25 | M12 | 3 |
| HO 7 MA 8 | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 |
| | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 |
| | KM-WBL 80 | 0132601 | 3 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 |
| | KM-WBL 81 | 0132607 | 3 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 |
| | KM-WBL 82 | 0132615 | 3 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 |
| HO 15 M 10 | H-WB 82 | 0130120 | 1 | 16 | 40 | 60 | 86 | | 20 | 25 | M12 | 4.1 |
| | H-WB 84 | 0132146 | 1 | 16 | 40 | 40 | 85 | | 20 | 25 | M12 | 2.6 |
| | H-WBL 82 | 0130602 | 3 | 16 | 40 | 40 | 102 | 4 | 20 | 25 | M12 | 3 |
| HO 22 M 10 | H-WB 105 | 0130122 | 1 | 18 | 50 | 80 | 108 | | 24 | 30 | M14 | 8.3 |
| | H-WB 106 | 0132145 | 1 | 18 | 50 | 50 | 108 | | 24 | 30 | M14 | 5.2 |
| | H-WBL 108 | 0130604 | 3 | 18 | 50 | 50 | 120 | 6 | 25 | 30 | M14 | 5.4 |
| HO 23 M 10 | H-WB 82 | 0130120 | 1 | 16 | 40 | 60 | 86 | | 20 | 25 | M12 | 4.1 |
| | H-WB 84 | 0132146 | 1 | 16 | 40 | 40 | 85 | | 20 | 25 | M12 | 2.6 |
| | H-WBL 82 | 0130602 | 3 | 16 | 40 | 40 | 102 | 4 | 20 | 25 | M12 | 3 |
| HO 24 M 10 HO 27 M 10 HO 37 M 10 HO 47 M 10 | H-WB 105 | 0130122 | 1 | 18 | 50 | 80 | 108 | | 24 | 30 | M14 | 8.3 |
| | H-WB 106 | 0132145 | 1 | 18 | 50 | 50 | 108 | | 24 | 30 | M14 | 5.2 |
| | H-WBL 108 | 0130604 | 3 | 18 | 50 | 50 | 120 | 6 | 25 | 30 | M14 | 5.4 |
| HO 7 MA 10 | H-WB 82 | 0130120 | 1 | 16 | 40 | 60 | 86 | | 20 | 25 | M12 | 4.1 |
| | H-WB 84 | 0132146 | 1 | 16 | 40 | 40 | 85 | | 20 | 25 | M12 | 2.6 |
| | H-WBL 82 | 0130602 | 3 | 16 | 40 | 40 | 102 | 4 | 20 | 25 | M12 | 3 |
| HO 15 M 12 HO 23 M 12 | H-WB 105 | 0130122 | 1 | 18 | 50 | 80 | 108 | | 24 | 30 | M14 | 8.3 |
| | H-WB 106 | 0132145 | 1 | 18 | 50 | 50 | 108 | | 24 | 30 | M14 | 5.2 |
| | H-WBL 108 | 0130604 | 3 | 18 | 50 | 50 | 120 | 6 | 25 | 30 | M14 | 5.4 |
| HO 27 M 12 HO 37 M 12 HO 47 M 12 | H-WB 125 | 0130124 | 1 | 21 | 50 | 60 | 111 | | 25 | 35 | M16 | 6.2 |
| HO 7 MA 12 | H-WB 105 | 0130122 | 1 | 18 | 50 | 80 | 108 | | 24 | 30 | M14 | 8.3 |
| | H-WB 106 | 0132145 | 1 | 18 | 50 | 50 | 108 | | 24 | 30 | M14 | 5.2 |
| | H-WBL 108 | 0130604 | 3 | 18 | 50 | 50 | 120 | 6 | 25 | 30 | M14 | 5.4 |



Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



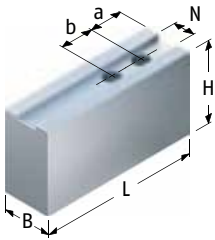
For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set | [kg] |
|---|----------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|----------------|------|
| HO 15 M 6 HO 22 M 6 HO 24 M 6 HO 27 M 6 HO 37 M 6 HO 47 M 6 HO 7 MA 6 | KM-WBAL 70 | 0132521 | 12 | 35 | 50 | 72 | 15 | 20 | M10 | 0.9 | |
| HO 15 M 8 | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 | |
| HO 22 M 8 HO 23 M 8 | H-WBAL 81 KM-WBAL 80 | 0130503 0132522 | 16 14 | 40 40 | 60 60 | 90 90 | 20 20 | 25 25 | M12 M12 | 1.5 1.5 | |
| HO 24 M 8 HO 27 M 8 HO 37 M 8 HO 47 M 8 | H-WBAL 81 | 0130503 | 16 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 | |
| HO 7 MA 8 | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 | |
| HO 15 M 10 | H-WBAL 81 | 0130503 | 16 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 | |
| HO 22 M 10 | H-WBAL 100 | 0130504 | 18 | 50 | 60 | 108 | 24 | 30 | M14 | 2.3 | |
| HO 23 M 10 | H-WBAL 81 | 0130503 | 16 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 | |
| HO 24 M 10 HO 27 M 10 HO 37 M 10 HO 47 M 10 | H-WBAL 100 | 0130504 | 18 | 50 | 60 | 108 | 24 | 30 | M14 | 2.3 | |
| HO 7 MA 10 | H-WBAL 81 | 0130503 | 16 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 | |
| HO 15 M 12 HO 23 M 12 HO 7 MA 12 | H-WBAL 100 | 0130504 | 18 | 50 | 60 | 108 | 24 | 30 | M14 | 2.3 | |



Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

HOWA

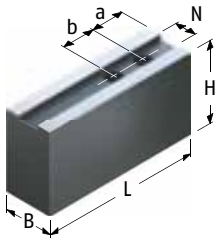
Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 3,0 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 3,0 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|
| HO 1 MA 8 HO 2 M 8 | H-WB 80 | 0130101 | 14 | 40 | 40 | 90 | 20 | 25 | M12 | 2.8 |
| HO 1 MA 10 HO 2 M 10 | H-WB 102 | 0130103 | 16 | 40 | 60 | 110 | 25 | 30 | M12 | 5.2 |
| HO 1 MA 12 HO 2 M 12 | H-WB 123 | 0130107 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 10.5 |
| HO 1 MA 15 HO 1 MA 18 HO 1 MA 21 HO 1 MA 24 | H-WB 151 | 0130115 | 26 | 60 | 80 | 156 | 34 | 50 | M20 | 14.4 |



Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

HOWA

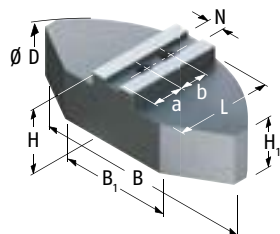
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| H0 15 M 6 H0 22 M 6 H0 24 M 6 H0 27 M 6 H0 37 M 6 H0 47 M 6 H0 7 MA 6 | KMWB-SM 165 | 0132700 | 12 | 119 | 50 | 160 | 50 | 40 | 60 | 25 | 20 | M10 | 4.9 |
| H0 15 M 8 H0 23 M 8 H0 7 MA 8 | KMWB-SM 210 | 0132701 | 14 | 140 | 70 | 200 | 60 | 50 | 70 | 30 | 25 | M12 | 8.8 |
| | KMWB-SM 211 | 0132705 | 14 | 140 | 70 | 200 | 80 | 70 | 70 | 30 | 25 | M12 | 11.7 |

Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

HOWA

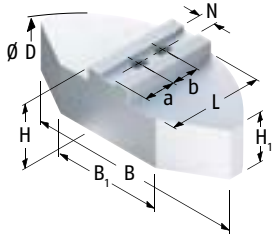
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



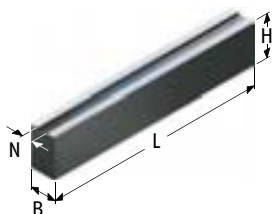
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| H0 15 M 6 H0 22 M 6 H0 24 M 6 H0 27 M 6 H0 37 M 6 H0 47 M 6 H0 7 MA 6 | KMWB-SA 165 | 0132800 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 2.2 |
| H0 15 M 8 H0 23 M 8 H0 7 MA 8 | KMWB-SA 210 | 0132801 | 14 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 25 | M12 | 3.3 |
| | KMWB-SA 211 | 0132805 | 14 | 140 | 50 | 200 | 80 | 70 | 72.5 | 35 | 25 | M12 | 4.5 |

Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| HO 1 MA 4 HO 1 MA 5 HO 24 M 5 | JBM-ST 100 | 0114500 | 10 | 32 | 32 | 420 | 3.1 |
| HO 15 M 6 HO 22 M 6 HO 24 M 6 HO 27 M 6 HO 37 M 6 HO 47 M 6 HO 7 MA 6 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| HO 15 M 8 | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 |
| HO 22 M 8 | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 |
| HO 7 MA 8 HO 23 M 8 | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 |
| HO 24 M 8 HO 27 M 8 HO 37 M 8 HO 47 M 8 | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 161 | 0114531 | 16 | 40 | 120 | 420 | 15.4 |
| | JBM-ST 162 | 0114532 | 16 | 60 | 60 | 420 | 11.4 |
| HO 15 M 10 HO 23 M 10 HO 7 MA 10 | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 161 | 0114531 | 16 | 40 | 120 | 420 | 15.4 |
| | JBM-ST 162 | 0114532 | 16 | 60 | 60 | 420 | 11.4 |
| HO 27 M 12 HO 37 M 12 HO 47 M 12 | JBM-ST 210 | 0114540 | 21 | 50 | 80 | 420 | 12.7 |
| | JBM-ST 211 | 0114541 | 21 | 60 | 120 | 420 | 23.2 |



Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

HOWA

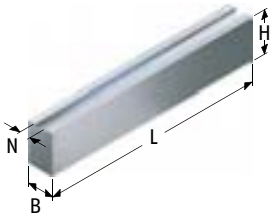
Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| HO 1 MA 4 HO 1 MA 5 HO 24 M 5 | JBM-STA 100 | 0114501 | 10 | 30 | 40 | 420 | 1.3 |
| HO 15 M 6 HO 22 M 6 HO 24 M 6 HO 27 M 6 HO 37 M 6 HO 47 M 6 HO 7 MA 6 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| HO 15 M 8 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| HO 22 M 8 | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| HO 7 MA 8 HO 23 M 8 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| HO 24 M 8 HO 27 M 8 HO 37 M 8 HO 47 M 8 HO 15 M 10 HO 23 M 10 HO 7 MA 10 | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| HO 27 M 12 HO 37 M 12 HO 47 M 12 | JBM-STA 210 | 0114542 | 21 | 50 | 80 | 420 | 4.6 |



Passende Nutensteine finden Sie ab Seite 331.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



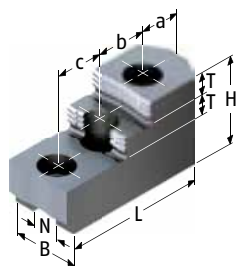
For suitable T-nuts see page 331.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

HOWA

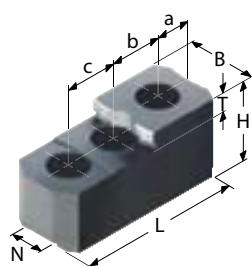
Harte Stufenaufsatzbacken | Hard Stepped Top Jaws

Spitzverzahnung 1,5 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Fine serration 1,5 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| HO 15 M 6 HO 22 M 6 HO 24 M 6 HO 27 M 6 HO 37 M 6 HO 47 M 6 HO 7 MA 6 | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| HO 15 M 8 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| HO 22 M 8 | SHB-J 102 ⁷⁾ | 0131109 | 2 | 16 | 35 | 42 | 83 | 15 | 19 | 25 | 25 | M12 | 1.5 |
| HO 23 M 8 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| HO 24 M 8 HO 27 M 8 HO 37 M 8 HO 47 M 8 | SHB-J 102 ⁷⁾ | 0131109 | 2 | 16 | 35 | 42 | 83 | 15 | 19 | 25 | 25 | M12 | 1.5 |
| HO 7 MA 8 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| HO 15 M 10 | SHB-J 102 ⁷⁾ | 0131109 | 2 | 16 | 35 | 42 | 83 | 15 | 19 | 25 | 25 | M12 | 1.5 |
| HO 22 M 10 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| HO 23 M 10 | SHB-J 102 ⁷⁾ | 0131109 | 2 | 16 | 35 | 42 | 83 | 15 | 19 | 25 | 25 | M12 | 1.5 |
| HO 24 M 10 HO 27 M 10 HO 37 M 10 HO 47 M 10 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| HO 7 MA 10 | SHB-J 102 ⁷⁾ | 0131109 | 2 | 16 | 35 | 42 | 83 | 15 | 19 | 25 | 25 | M12 | 1.5 |
| HO 15 M 12 HO 23 M 12 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| HO 27 M 12 HO 37 M 12 HO 47 M 12 | SHB-J 122 ²⁾⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 ²⁾⁷⁾ | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| HO 7 MA 12 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |

2) Die Befestigung erfolgt mittels einzelner Nutensteine
7) Gewichtserleichterte Ausführung für max. Drehzahlen

2) Fastening is done via single T-nuts
7) Reduced weight for higher RPM's



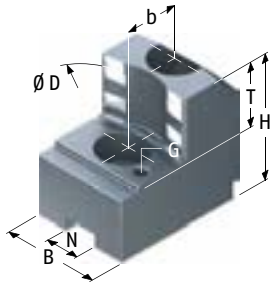
Passende Nutensteine finden Sie ab Seite 331.



For suitable T-nuts see page 331.

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HO 22 M 6 | 28 – 55 | 176 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 43 – 71 | 176 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 59 – 87 | 176 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 73 – 101 | 176 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 89 – 118 | 176 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HO 24 M 6 | 28 – 56 | 176 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 43 – 71 | 176 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 59 – 87 | 176 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 73 – 101 | 176 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 89 – 117 | 176 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HO 27 M 6 | 28 – 51 | 171 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 48 – 83 | 171 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 78 – 113 | 171 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HO 37 M 6 | 29 – 51 | 170 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 43 – 66 | 170 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 59 – 82 | 170 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 73 – 96 | 170 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 89 – 112 | 170 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HO 47 M 6 | 28 – 51 | 171 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 35 – 66 | 171 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 48 – 83 | 171 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 62 – 96 | 171 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 78 – 113 | 171 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HO 7 MA 6 | 28 – 56 | 176 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 56 – 88 | 176 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 86 – 118 | 176 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |



Passende Nutensteine finden Sie ab Seite 331.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 331.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HO 22 M 8 | 31 - 73 | 220 | SZAJ 20-5 | 0138120 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.8 |
| | 58 - 101 | 220 | SZAJ 20-6 | 0138125 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 88 - 131 | 220 | SZAJ 20-7 | 0138122 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 118 - 161 | 220 | SZAJ 20-8 | 0138127 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| HO 23 M 8 | 32 - 73 | 220 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 58 - 101 | 220 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 89 - 131 | 220 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 119 - 162 | 220 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 141 - 184 | 240 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HO 24 M 8 | 31 - 73 | 220 | SZAJ 20-5 | 0138120 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.8 |
| | 58 - 101 | 220 | SZAJ 20-6 | 0138125 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 88 - 131 | 220 | SZAJ 20-7 | 0138122 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 118 - 164 | 220 | SZAJ 20-8 | 0138127 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| HO 27 M 8 | 30 - 68 | 215 | SZAJ 20-5 | 0138120 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.8 |
| | 49 - 96 | 215 | SZAJ 20-6 | 0138125 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 79 - 126 | 215 | SZAJ 20-7 | 0138122 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 109 - 156 | 215 | SZAJ 20-8 | 0138127 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| HO 37 M 8 | 30 - 68 | 215 | SZAJ 20-5 | 0138120 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.8 |
| | 52 - 96 | 215 | SZAJ 20-6 | 0138125 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 82 - 126 | 215 | SZAJ 20-7 | 0138122 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 112 - 156 | 215 | SZAJ 20-8 | 0138127 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| HO 47 M 8 | 29 - 68 | 215 | SZAJ 20-5 | 0138120 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.8 |
| | 49 - 96 | 215 | SZAJ 20-6 | 0138125 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 80 - 126 | 215 | SZAJ 20-7 | 0138122 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 109 - 156 | 215 | SZAJ 20-8 | 0138127 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| HO 7 MA 8 | 34 - 72 | 218 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 62 - 100 | 218 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 92 - 130 | 218 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 122 - 160 | 218 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 144 - 182 | 238 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HO 22 M 10 | 33 - 91 | 267 | SZAJ 25-9 | 0138115 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.7 |
| | 71 - 133 | 268 | SZAJ 25-10 | 0138129 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 113 - 175 | 271 | SZAJ 25-11 | 0138141 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 160 - 223 | 289 | SZAJ 25-12 | 0138142 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.5 |
| HO 23 M 10 | 37 - 113 | 260 | SZAJ 20-5 | 0138120 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.8 |
| | 64 - 141 | 260 | SZAJ 20-6 | 0138125 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 95 - 171 | 260 | SZAJ 20-7 | 0138122 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 125 - 202 | 260 | SZAJ 20-8 | 0138127 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |

 Passende Nutensteine finden Sie ab Seite 331.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 331.
 For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

HOWA

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HO 24 M 10 | 33 - 91 | 269 | SZAJ 25-9 | 0138115 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.7 |
| | 71 - 134 | 269 | SZAJ 25-10 | 0138129 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 113 - 175 | 271 | SZAJ 25-11 | 0138141 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 160 - 223 | 289 | SZAJ 25-12 | 0138142 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.5 |
| HO 27 M 10 | 34 - 90 | 267 | SZAJ 25-9 | 0138115 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.7 |
| | 75 - 132 | 267 | SZAJ 25-10 | 0138129 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 117 - 174 | 269 | SZAJ 25-11 | 0138141 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 164 - 221 | 287 | SZAJ 25-12 | 0138142 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.5 |
| HO 37 M 10 | 41 - 85 | 263 | SZAJ 25-9 | 0138115 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.7 |
| | 83 - 128 | 263 | SZAJ 25-10 | 0138129 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 124 - 170 | 265 | SZAJ 25-11 | 0138141 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 171 - 217 | 283 | SZAJ 25-12 | 0138142 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.5 |
| HO 47 M 10 | 34 - 89 | 267 | SZAJ 25-9 | 0138115 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.7 |
| | 75 - 132 | 267 | SZAJ 25-10 | 0138129 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 117 - 174 | 269 | SZAJ 25-11 | 0138141 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 164 - 221 | 287 | SZAJ 25-12 | 0138142 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.5 |
| HO 7 MA 10 | 45 - 114 | 261 | SZAJ 20-5 | 0138120 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.8 |
| | 73 - 142 | 261 | SZAJ 20-6 | 0138125 | 16 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 103 - 172 | 261 | SZAJ 20-7 | 0138122 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 133 - 203 | 261 | SZAJ 20-8 | 0138127 | 16 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| HO 23 M 12 | 51 - 137 | 315 | SZAJ 25-9 | 0138115 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.7 |
| | 93 - 179 | 315 | SZAJ 25-10 | 0138129 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 135 - 221 | 317 | SZAJ 25-11 | 0138141 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 182 - 269 | 335 | SZAJ 25-12 | 0138142 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.5 |
| HO 7 MA 12 | 55 - 134 | 312 | SZAJ 25-9 | 0138115 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.7 |
| | 97 - 176 | 312 | SZAJ 25-10 | 0138129 | 18 | 40 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 139 - 218 | 314 | SZAJ 25-11 | 0138141 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.3 |
| | 186 - 266 | 332 | SZAJ 25-12 | 0138142 | 18 | 45 | 58 | 25 | M6 | 30 | M14 | 2.5 |



Passende Nutensteine finden Sie ab Seite 331.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



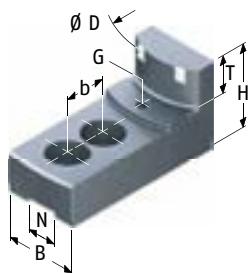
For suitable T-nuts see page 331.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

HOWA

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HO 23 M 8 | 57 - 89 | 224 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 76 - 119 | 224 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 106 - 150 | 220 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 136 - 180 | 230 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HO 7 MA 8 | 57 - 87 | 221 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 79 - 117 | 221 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 109 - 147 | 218 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 139 - 177 | 228 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |

Passende Nutensteine finden Sie ab Seite 331.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 331.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

HOWA

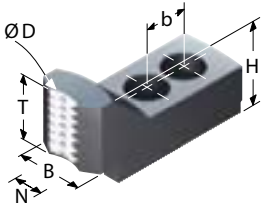
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1,5mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| H0 22 M 6 | 12 - 37 | 176 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0 24 M 6 | 13 - 37 | 176 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0 27 M 6 | 13 - 32 | 171 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0 37 M 6 | 12 - 32 | 171 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0 47 M 6 | 12 - 32 | 171 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0 7 MA 6 | 13 - 38 | 176 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0 23 M 8 | 15 - 52 | 225 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| H0 7 MA 8 | 15 - 50 | 223 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |



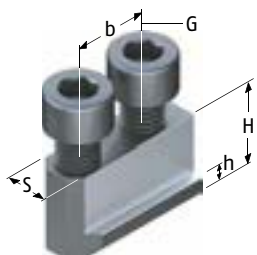
Passende Nutensteine finden Sie ab Seite 331.



For suitable T-nuts see page 331.

Kombi-Nutensteine

- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Combi T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | S [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.-Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----|------------------------------------|---|
| HO 1 MA 4 | NJ 40 | 0146114 | 10 | 16 | 5 | 14 | M8 | M8x20 | 30 |
| HO 27 M 4 | NJ 53 | 0146119 | 11 | 17.5 | 6.5 | 16 | M8 | M8x22 | 30 |
| HO 1 MA 5 HO 24 M 5 | NJ 40 | 0146114 | 10 | 16 | 5 | 14 | M8 | M8x20 | 30 |
| HO 27 M 5 | NJ 53 | 0146119 | 11 | 17.5 | 6.5 | 16 | M8 | M8x22 | 30 |
| HO 15 M 6 HO 22 M 6 HO 24 M 6 HO 27 M 6 HO 37 M 6 HO 47 M 6 HO 7 MA 6 | NJ 61 | 0146100 | 12 | 22 | 7 | 20 | M10 | M10x25 | 50 |
| HO 15 M 8 HO 1 MA 8 | NJ 80 | 0146101 | 14 | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 22 M 8 | NJ 101 | 0146107 | 16 | 26.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 23 M 8 | NJ 80 | 0146101 | 14 | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 24 M 8 HO 27 M 8 | NJ 101 | 0146107 | 16 | 26.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 2 M 8 | NJ 80 | 0146101 | 14 | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 37 M 8 HO 47 M 8 | NJ 101 | 0146107 | 16 | 26.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 7 MA 8 | NJ 80 | 0146101 | 14 | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 15 M 10 | NJ 101 | 0146107 | 16 | 26.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 1 MA 10 | NJ 102 | 0146122 | 16 | 23 | 8 | 30 | M12 | M12x30 | 70 |
| HO 22 M 10 | NJ 120 | 0146108 | 18 | 27.5 | 9.5 | 30 | M14 | M14x40 | 130 |
| HO 23 M 10 | NJ 101 | 0146107 | 16 | 26.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 24 M 10 HO 27 M 10 | NJ 120 | 0146108 | 18 | 27.5 | 9.5 | 30 | M14 | M14x40 | 130 |
| HO 2 M 10 | NJ 102 | 0146122 | 16 | 23 | 8 | 30 | M12 | M12x30 | 70 |
| HO 37 M 10 HO 47 M 10 | NJ 120 | 0146108 | 18 | 27.5 | 9.5 | 30 | M14 | M14x40 | 130 |
| HO 7 MA 10 | NJ 101 | 0146107 | 16 | 26.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HO 15 M 12 | NJ 120 | 0146108 | 18 | 27.5 | 9.5 | 30 | M14 | M14x40 | 130 |
| HO 1 MA 12 | NJ 121 | 0146103 | 18 | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |

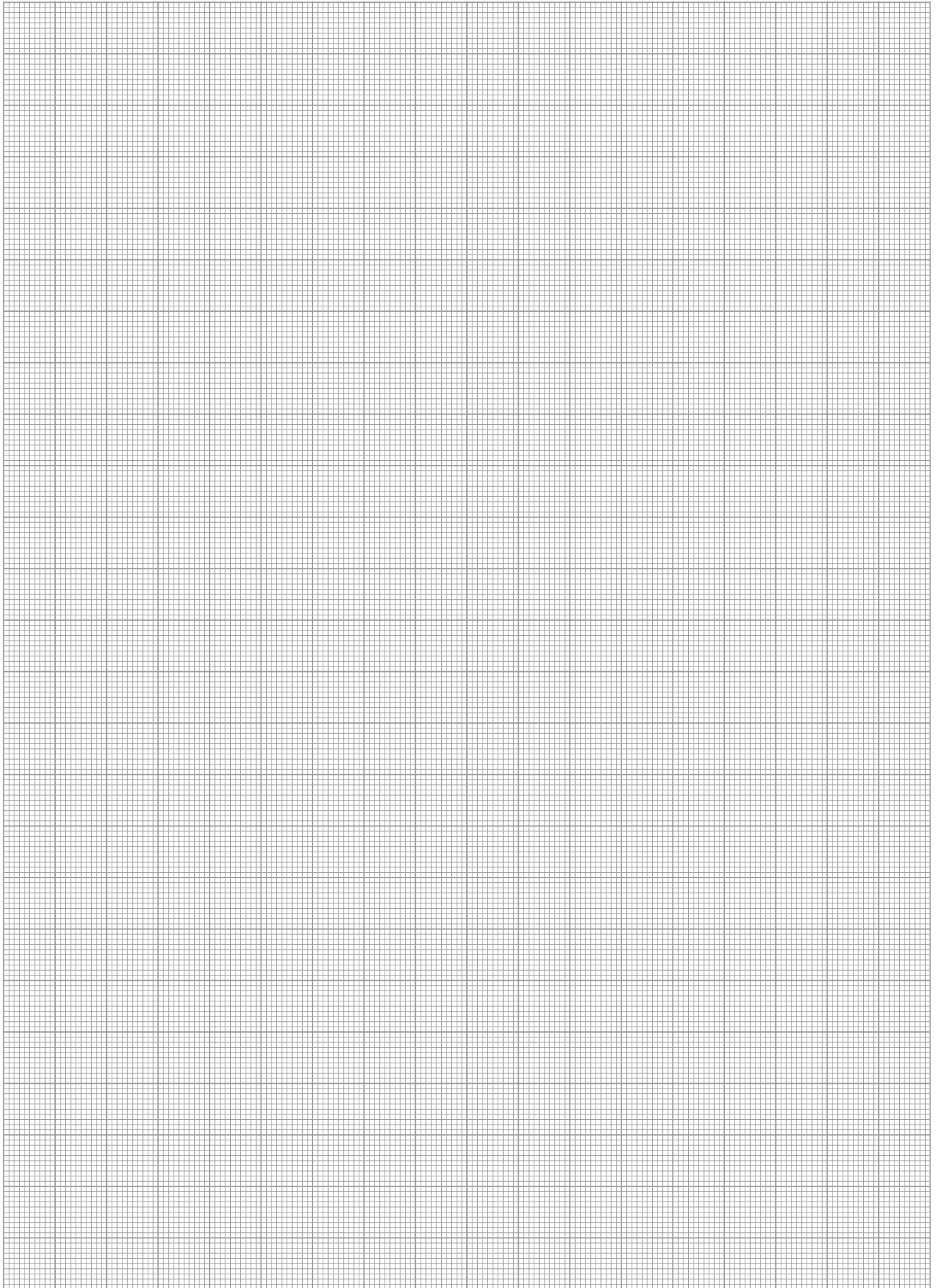
HOWA

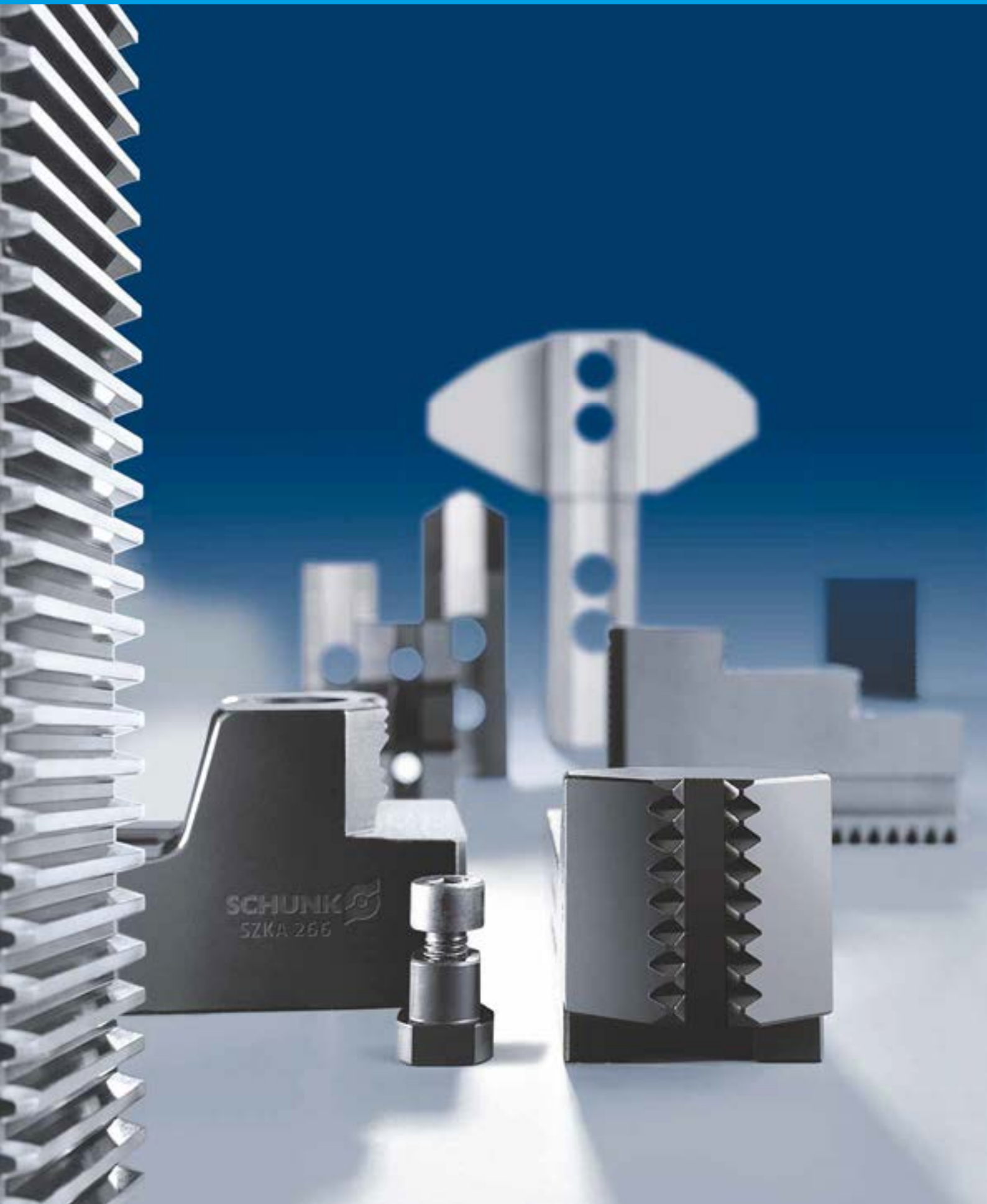
Nutensteine | T-Nuts

Kombi-Nutensteine

Combi T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | S [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.-Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----|------------------------------------|---|
| HO 23 M 12 | NJ 120 | 0146108 | 18 | 27.5 | 9.5 | 30 | M14 | M14x40 | 130 |
| HO 27 M 12 | NJ 122 | 0146112 | 21 | 29 | 10.5 | 35 | M16 | M16x40 | 150 |
| HO 2 M 12 | NJ 121 | 0146103 | 18 | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| HO 37 M 12 HO 47 M 12 | NJ 122 | 0146112 | 21 | 29 | 10.5 | 35 | M16 | M16x40 | 150 |
| HO 7 MA 12 | NJ 120 | 0146108 | 18 | 27.5 | 9.5 | 30 | M14 | M14x40 | 130 |
| HO 1 MA 15 HO 1 MA 18 HO 1 MA 21 HO 1 MA 24 | NJ 154 | 0146128 | 26 | 40 | 17 | 50 | M20 | M20x50 | 300 |







KITAGAWA Spannbacken

KITAGAWA Chuck Jaws

Spitzverzahnung Seite

| Rohteilspannung | | |
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| Harte Stufenaufsatzbacken | Außenspannung | 361 |
| | Innenspannung | 361 |
| Harte Krallenbacken | Außenspannung | 365 |
| | Innenspannung | 374 |
| | Stangenspannung | 381 |
| Pendelbacken | Außenspannung, mit harten Spanneinsätzen | 388 |

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| | Ungebohrt | 336 |
| Pendelbacken | Außenspannung, mit weichen Spanneinsätzen | 388 |
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|-----------------------------|---------------|-----|
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Fine Serration Page

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| | I.D. clamping | 374 |
| | Bar clamping | 381 |
| Pendulum jaws | O.D. clamping with hard clamping inserts | 388 |

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|-------------------------|--|-----|
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| Jaw blanks | with bolt holes | 336 |
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|--------------------------|---------------|-----|
| Pendulum jaws | O.D. clamping | 388 |
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| Quentes | O.D. clamping | 386 |

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|-------------------------|---------------|-----|
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|--------|--|-----|
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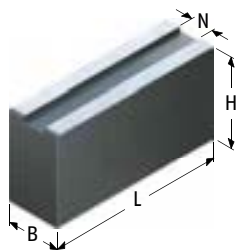
Available accessories from page 694

KITAGAWA

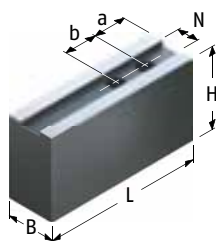
Backenrohlinge | Jaw Blanks

Spitzverzahnung 1,5 mm x 60°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1,5 mm x 60°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] | | | | | | | | | | | |
|---|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|---------|---------|---------|----|----|----|----|----|----|-----|-----|
| AS110 B204 BT204 HJ4 N04 NLO4 NT04 | SBMJ 50 | 0132149 | 0133149 | 10 | 22 | 47 | 55 | 8 | 14 | M8 | 0.4 | | | | | | | | | | | |
| B05 B205 BT205 HJ5 HOB05 N05 NT05 | | | | | | | | | | | | | | | | | | | | | | |
| B06 B106 B160 B206 BB06 BB206 BBT206 BL206 BLT206 BS306 BT206 | | | | | | | | | | | | SBMJ 70 | 0132150 | 0133150 | 12 | 35 | 60 | 80 | 12 | 20 | M10 | 1.3 |
| HJA5-6 H06 HOB06 HOH06 HOH106 HOH160 HOH206 HOS06 ML06 MLT06 N06 NLO6 NLT06 | | | | | | | | | | | | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.





For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] | |
|---|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|-----|
| UVE160K | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 | |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 | |
| | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 | |
| | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 | |
| | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 | |
| | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 | |
| | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | |
| | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | |
| AS165 B07 | SBJM 70 | 0132150 | 0133150 | 12 | 35 | 60 | 80 | 12 | 20 | M10 | 1.3 | |
| B08 B108 B200 B208 BB08 BB208 BBT208 BL208 BLT208 BS308 BT208 HJA6-8 H08 H0B08 H0H08 H0H108 H0H200 H0H208 H0S08 MLO8 MLT08 N08 NLO8 NLT08 QJR08 | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 | |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 | |
| | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 | |
| | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 | |
| | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 | |
| | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 | |
| | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | |
| | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | |
| | UVE200K | JBM 100 | 0114412 | 0114442 | 16 | 40 | 80 | 120 | 13 | 30 | M12 | 3 |
| | | JBM 101 | 0114410 | 0114440 | 16 | 40 | 60 | 90 | 13 | 30 | M12 | 1.6 |
| JBM 102 | | 0114411 | 0114441 | 16 | 40 | 60 | 110 | 13 | 30 | M12 | 2.1 | |
| JBM 103 | | 0114413 | 0114443 | 16 | 40 | 100 | 110 | 13 | 30 | M12 | 3.4 | |
| JBM 104 | | 0114414 | 0114444 | 16 | 50 | 120 | 110 | 13 | 30 | M12 | 5 | |
| JBM 105 | | 0114415 | 0114445 | 16 | 60 | 60 | 95 | 13 | 30 | M12 | 2.7 | |
| JBM 106 | | 0114416 | 0114446 | 16 | 60 | 90 | 95 | 13 | 30 | M12 | 4 | |
| JBM 107 | | 0114417 | 0114447 | 16 | 80 | 60 | 95 | 13 | 30 | M12 | 3.5 | |
| AS210 | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 | |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 | |
| | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 | |
| | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 | |
| | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 | |
| | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 | |
| | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | |
| | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 | |

 Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ungebohrt <i>undrilled</i> ID | gebohrt <i>drilled</i> ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a <i>min. distance a</i> [mm] | min. Abstand b <i>min. distance b</i> [mm] | Schrauben <i>Screws</i> | m/Stück <i>m/piece</i> [kg] |
|---------------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------|-----------|-----------|-----------|--|--|----------------------------|-----------------------------------|
| AS250 B250 HOH250 | JBM 100 | 0114412 | 0114442 | 16 | 40 | 80 | 120 | 13 | 30 | M12 | 3 |
| UVE250K | JBM 101 | 0114410 | 0114440 | 16 | 40 | 60 | 90 | 13 | 30 | M12 | 1.6 |
| B10 | JBM 102 | 0114411 | 0114441 | 16 | 40 | 60 | 110 | 13 | 30 | M12 | 2.1 |
| B110 | JBM 103 | 0114413 | 0114443 | 16 | 40 | 100 | 110 | 13 | 30 | M12 | 3.4 |
| B210 | JBM 104 | 0114414 | 0114444 | 16 | 50 | 120 | 110 | 13 | 30 | M12 | 5 |
| BB10 | JBM 105 | 0114415 | 0114445 | 16 | 60 | 60 | 95 | 13 | 30 | M12 | 2.7 |
| BB210 | JBM 106 | 0114416 | 0114446 | 16 | 60 | 90 | 95 | 13 | 30 | M12 | 4 |
| BBT210 | | | | | | | | | | | |
| BL210 | | | | | | | | | | | |
| BLT210 | | | | | | | | | | | |
| BS310 | | | | | | | | | | | |
| BT210 | | | | | | | | | | | |
| HJA6-10 | | | | | | | | | | | |
| HJA8-10 | | | | | | | | | | | |
| H010 | | | | | | | | | | | |
| H0B10 | JBM 107 | 0114417 | 0114447 | 16 | 80 | 60 | 95 | 13 | 30 | M12 | 3.5 |
| H0H10 | | | | | | | | | | | |
| H0H-10K | | | | | | | | | | | |
| H0H110 | | | | | | | | | | | |
| H0S10 | | | | | | | | | | | |
| N10 | | | | | | | | | | | |
| NL10 | | | | | | | | | | | |
| NLT10 | | | | | | | | | | | |
| QJR10 | | | | | | | | | | | |
| B112 | JBM 120 | 0114420 | 0114450 | 21 | 50 | 60 | 130 | 15 | 30 | M16 | 3.1 |
| B212 | JBM 121 | 0114421 | 0114451 | 21 | 50 | 80 | 130 | 15 | 30 | M16 | 4.1 |
| BB212 | JBM 122 | 0114422 | 0114452 | 21 | 50 | 120 | 130 | 15 | 30 | M16 | 6 |
| BBT212 | JBM 123 | 0114423 | 0114453 | 21 | 60 | 150 | 130 | 15 | 30 | M16 | 8.8 |
| BL212 | | | | | | | | | | | |
| BLT212 | | | | | | | | | | | |
| BT212 | | | | | | | | | | | |
| H0H112 | JBM 124 | 0114424 | 0114454 | 21 | 80 | 80 | 130 | 15 | 30 | M16 | 6.2 |
| H0H-12K | | | | | | | | | | | |
| QJR12 | | | | | | | | | | | |



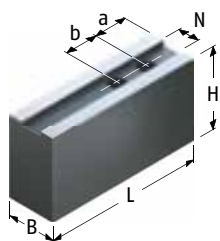
Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



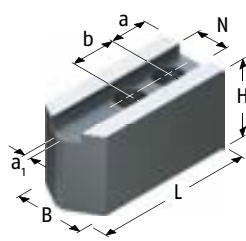
For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

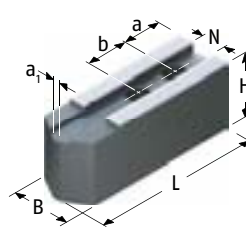
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*



Ausführung 3 | *Version 3*

Fine serration 1,5 mm x 60°

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| AS110 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| B04 | KM-WB 44 | 0132101 | 2 | 8 | 20 | 40 | 48 | 4 | 8 | 15 | M6 | 0.7 |
| B204 HJ4 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| H0B04 | KM-WB 44 | 0132101 | 2 | 8 | 20 | 40 | 48 | 4 | 8 | 15 | M6 | 0.7 |
| N04 NLO4 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| B05 | KM-WB 54 | 0132111 | 2 | 10 | 25 | 32 | 57 | 4 | 10 | 18 | M8 | 0.8 |
| | KM-WB 55 | 0132136 | 2 | 10 | 22 | 47 | 55 | 4 | 10 | 18 | M8 | 1 |
| B205 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| HJ5 | KM-WB 56 | 0132137 | 2 | 10 | 22 | 47 | 55 | 4 | 10 | 19 | M8 | 1 |
| H0B05 | KM-WB 54 | 0132111 | 2 | 10 | 25 | 32 | 57 | 4 | 10 | 18 | M8 | 0.8 |
| | KM-WB 55 | 0132136 | 2 | 10 | 22 | 47 | 55 | 4 | 10 | 18 | M8 | 1 |
| N05 | KM-WB 56 | 0132137 | 2 | 10 | 22 | 47 | 55 | 4 | 10 | 19 | M8 | 1 |

Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] | |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|--|
| B06 | KM-WB 61 | 0130128 | 1 | 12 | 35 | 60 | 72 | | 15 | 20 | M10 | 2.9 | |
| B106 | KM-WB 66 | 0132138 | 1 | 12 | 32 | 32 | 72 | | 15 | 20 | M10 | 1.4 | |
| B160 | KM-WBL 60 | 0132600 | 3 | 12 | 32 | 32 | 82 | 4 | 15 | 20 | M10 | 1.5 | |
| B206 | | | | | | | | | | | | | |
| BB06 | | | | | | | | | | | | | |
| BB206 | | | | | | | | | | | | | |
| BL206 | | | | | | | | | | | | | |
| BS306 | | | | | | | | | | | | | |
| HJA5-6 | | | | | | | | | | | | | |
| H06 | | | | | | | | | | | | | |
| HOB06 | | | | | | | | | | | | | |
| HOH06 | KM-WBL 62 | 0132606 | 3 | 12 | 35 | 60 | 82 | 4 | 15 | 20 | M10 | 3.6 | |
| HOH106 | | | | | | | | | | | | | |
| HOH160 | | | | | | | | | | | | | |
| HOH206 | | | | | | | | | | | | | |
| HOS06 | | | | | | | | | | | | | |
| ML06 | | | | | | | | | | | | | |
| N06 | | | | | | | | | | | | | |
| NL06 | | | | | | | | | | | | | |
| UVE160K | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 | |
| | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 | |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 | |
| | KM-WBL 80 | 0132601 | 3 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 | |
| | KM-WBL 81 | 0132607 | 3 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 | |
| | KM-WBL 82 | 0132615 | 3 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 | |
| AS165 B07 | KM-WB 61 | 0130128 | 1 | 12 | 35 | 60 | 72 | | 15 | 20 | M10 | 2.9 | |
| | KM-WB 66 | 0132138 | 1 | 12 | 32 | 32 | 72 | | 15 | 20 | M10 | 1.4 | |
| | KM-WBL 60 | 0132600 | 3 | 12 | 32 | 32 | 82 | 4 | 15 | 20 | M10 | 1.5 | |
| | KM-WBL 62 | 0132606 | 3 | 12 | 35 | 60 | 82 | 4 | 15 | 20 | M10 | 3.6 | |
| B08 B108 B200 B208 BB08 BB208 BL208 BS308 HJA6-8 H08 HOB08 HOH08 HOH108 HOH200 HOH208 HOS08 ML08 N08 NL08 QJR08 | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 | |
| | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 | |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 | |
| | KM-WBL 80 | 0132601 | 3 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 | |
| | KM-WBL 81 | 0132607 | 3 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 | |
| | KM-WBL 82 | 0132615 | 3 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 | |
| | | | | | | | | | | | | | |
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Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] | |
|--|----------------------------|-----------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|---------------------|-------------------------|------|
| UVE200K | KM-WB 102 | 0132104 | 1 | 16 | 40 | 60 | 90 | | 15 | 30 | M12 | 4.3 | |
| | KM-WB 103 | 0132105 | 1 | 16 | 40 | 60 | 110 | | 30 | 30 | M12 | 5.2 | |
| | KM-WB 104 | 0132106 | 1 | 16 | 50 | 80 | 90 | | 15 | 30 | M12 | 7.3 | |
| | KM-WB 105 | 0132129 | 1 | 16 | 40 | 80 | 110 | | 30 | 30 | M12 | 7.2 | |
| | KM-WB 106 | 0132152 | 1 | 16 | 40 | 100 | 120 | | 30 | 30 | M12 | 9.9 | |
| | KM-WB 110 | 0132140 | 1 | 16 | 40 | 42 | 110 | | 30 | 30 | M12 | 3.8 | |
| | KM-WB 111 | 0132147 | 1 | 16 | 50 | 50 | 120 | | 30 | 30 | M12 | 6.2 | |
| | KM-WBL 100 | 0132602 | 3 | 16 | 40 | 42 | 125 | 4 | 30 | 30 | M12 | 4.1 | |
| | KM-WBL 101 | 0132608 | 3 | 16 | 40 | 100 | 125 | 4 | 30 | 30 | M12 | 9.8 | |
| | KM-WBL 103 | 0132609 | 3 | 16 | 40 | 60 | 125 | 4 | 30 | 30 | M12 | 5.7 | |
| AS210 | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 | |
| | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 | |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 | |
| | KM-WBL 80 | 0132601 | 3 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 | |
| | KM-WBL 81 | 0132607 | 3 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 | |
| | KM-WBL 82 | 0132615 | 3 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 | |
| AS250 B250 HOH250 UVE250K B10 B110 B210 BB10 BB210 BL210 BS310 HJA6-10 HJA8-10 HO10 HOB10 HOH10 HOH-10K HOH110 HOS10 N10 NL10 QJR10 | KM-WB 102 | 0132104 | 1 | 16 | 40 | 60 | 90 | | 15 | 30 | M12 | 4.3 | |
| | KM-WB 103 | 0132105 | 1 | 16 | 40 | 60 | 110 | | 30 | 30 | M12 | 5.2 | |
| | KM-WB 104 | 0132106 | 1 | 16 | 50 | 80 | 90 | | 15 | 30 | M12 | 7.3 | |
| | KM-WB 105 | 0132129 | 1 | 16 | 40 | 80 | 110 | | 30 | 30 | M12 | 7.2 | |
| | KM-WB 106 | 0132152 | 1 | 16 | 40 | 100 | 120 | | 30 | 30 | M12 | 9.9 | |
| | KM-WB 110 | 0132140 | 1 | 16 | 40 | 42 | 110 | | 30 | 30 | M12 | 3.8 | |
| | KM-WB 111 | 0132147 | 1 | 16 | 50 | 50 | 120 | | 30 | 30 | M12 | 6.2 | |
| | KM-WBL 100 | 0132602 | 3 | 16 | 40 | 42 | 125 | 4 | 30 | 30 | M12 | 4.1 | |
| | KM-WBL 101 | 0132608 | 3 | 16 | 40 | 100 | 125 | 4 | 30 | 30 | M12 | 9.8 | |
| | KM-WBL 103 | 0132609 | 3 | 16 | 40 | 60 | 125 | 4 | 30 | 30 | M12 | 5.7 | |
| | B112 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| KM-WBL 121 | | 0132604 | 3 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 | |
| KM-WBL 125 | | 0132618 | 3 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 | |
| B12 | KM-WB 121 | 0132107 | 1 | 18 | 50 | 50 | 130 | | 40 | 30 | M14 | 6.8 | |
| | KM-WB 123 | 0132109 | 1 | 18 | 50 | 80 | 130 | | 40 | 30 | M14 | 10.5 | |
| | KM-WB 125 | 0132130 | 1 | 18 | 50 | 120 | 130 | | 40 | 30 | M14 | 15.9 | |
| | KM-WBL 120 | 0132603 | 3 | 18 | 50 | 50 | 145 | 10 | 30 | 30 | M14 | 7 | |
| | KM-WBL 123 | 0132617 | 3 | 18 | 50 | 100 | 145 | 10 | 30 | 30 | M14 | 14.5 | |

Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| B212 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 3 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| | KM-WBL 125 | 0132618 | 3 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| B300 | KM-WB 121 | 0132107 | 1 | 18 | 50 | 50 | 130 | | 40 | 30 | M14 | 6.8 |
| | KM-WB 123 | 0132109 | 1 | 18 | 50 | 80 | 130 | | 40 | 30 | M14 | 10.5 |
| | KM-WB 125 | 0132130 | 1 | 18 | 50 | 120 | 130 | | 40 | 30 | M14 | 15.9 |
| | KM-WBL 120 | 0132603 | 3 | 18 | 50 | 50 | 145 | 10 | 30 | 30 | M14 | 7 |
| | KM-WBL 123 | 0132617 | 3 | 18 | 50 | 100 | 145 | 10 | 30 | 30 | M14 | 14.5 |
| BB212 BL212 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 3 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| | KM-WBL 125 | 0132618 | 3 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| HJA6-12 HJA8-12 HLA6-12 H012 H0B12 | KM-WB 121 | 0132107 | 1 | 18 | 50 | 50 | 130 | | 40 | 30 | M14 | 6.8 |
| | KM-WB 123 | 0132109 | 1 | 18 | 50 | 80 | 130 | | 40 | 30 | M14 | 10.5 |
| | KM-WB 125 | 0132130 | 1 | 18 | 50 | 120 | 130 | | 40 | 30 | M14 | 15.9 |
| | KM-WBL 120 | 0132603 | 3 | 18 | 50 | 50 | 145 | 10 | 30 | 30 | M14 | 7 |
| | KM-WBL 123 | 0132617 | 3 | 18 | 50 | 100 | 145 | 10 | 30 | 30 | M14 | 14.5 |
| HOH112 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 3 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| | KM-WBL 125 | 0132618 | 3 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| HOH12 | KM-WB 121 | 0132107 | 1 | 18 | 50 | 50 | 130 | | 40 | 30 | M14 | 6.8 |
| | KM-WB 123 | 0132109 | 1 | 18 | 50 | 80 | 130 | | 40 | 30 | M14 | 10.5 |
| | KM-WB 125 | 0132130 | 1 | 18 | 50 | 120 | 130 | | 40 | 30 | M14 | 15.9 |
| | KM-WBL 120 | 0132603 | 3 | 18 | 50 | 50 | 145 | 10 | 30 | 30 | M14 | 7 |
| | KM-WBL 123 | 0132617 | 3 | 18 | 50 | 100 | 145 | 10 | 30 | 30 | M14 | 14.5 |
| HOH-12K | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 3 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| | KM-WBL 125 | 0132618 | 3 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| HOH300 H0S12 N12 NL12 | KM-WB 121 | 0132107 | 1 | 18 | 50 | 50 | 130 | | 40 | 30 | M14 | 6.8 |
| | KM-WB 123 | 0132109 | 1 | 18 | 50 | 80 | 130 | | 40 | 30 | M14 | 10.5 |
| | KM-WB 125 | 0132130 | 1 | 18 | 50 | 120 | 130 | | 40 | 30 | M14 | 15.9 |
| | KM-WBL 120 | 0132603 | 3 | 18 | 50 | 50 | 145 | 10 | 30 | 30 | M14 | 7 |
| | KM-WBL 123 | 0132617 | 3 | 18 | 50 | 100 | 145 | 10 | 30 | 30 | M14 | 14.5 |



Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

KITAGAWA

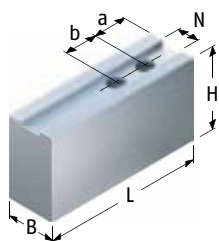
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B06 | | | | | | | | | | |
| B106 | | | | | | | | | | |
| B160 | | | | | | | | | | |
| B206 | | | | | | | | | | |
| BB06 | | | | | | | | | | |
| BB206 | | | | | | | | | | |
| BL206 | | | | | | | | | | |
| BS306 | | | | | | | | | | |
| HJA5-6 | | | | | | | | | | |
| H06 | KM-WBAL 70 | 0132521 | 12 | 35 | 50 | 72 | 15 | 20 | M10 | 0.9 |
| H0B06 | | | | | | | | | | |
| H0H06 | | | | | | | | | | |
| H0H106 | | | | | | | | | | |
| H0H160 | | | | | | | | | | |
| H0H206 | | | | | | | | | | |
| H0S06 | | | | | | | | | | |
| ML06 | | | | | | | | | | |
| N06 | | | | | | | | | | |
| NL06 | | | | | | | | | | |
| UVE160K | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 |
| AS165 B07 | KM-WBAL 70 | 0132521 | 12 | 35 | 50 | 72 | 15 | 20 | M10 | 0.9 |


Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.


For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B08 | | | | | | | | | | |
| B108 | | | | | | | | | | |
| B200 | | | | | | | | | | |
| B208 | | | | | | | | | | |
| BB08 | | | | | | | | | | |
| BB208 | | | | | | | | | | |
| BL208 | | | | | | | | | | |
| BS308 | | | | | | | | | | |
| HJA6-8 | | | | | | | | | | |
| H08 | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 |
| H0B08 | | | | | | | | | | |
| H0H08 | | | | | | | | | | |
| H0H108 | | | | | | | | | | |
| H0H200 | | | | | | | | | | |
| H0H208 | | | | | | | | | | |
| H0S08 | | | | | | | | | | |
| ML08 | | | | | | | | | | |
| N08 | | | | | | | | | | |
| NL08 | | | | | | | | | | |
| QJR08 | | | | | | | | | | |
| UVE200K | KM-WBAL 100 | 0132523 | 16 | 40 | 60 | 110 | 25 | 30 | M12 | 1.9 |
| AS210 | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 |
| AS250 | | | | | | | | | | |
| B250 | | | | | | | | | | |
| H0H250 | | | | | | | | | | |
| UVE250K | | | | | | | | | | |
| B10 | | | | | | | | | | |
| B110 | | | | | | | | | | |
| B210 | | | | | | | | | | |
| BB10 | | | | | | | | | | |
| BB210 | | | | | | | | | | |
| BL210 | | | | | | | | | | |
| BS310 | | | | | | | | | | |
| HJA6-10 | KM-WBAL 100 | 0132523 | 16 | 40 | 60 | 110 | 25 | 30 | M12 | 1.9 |
| HJA8-10 | | | | | | | | | | |
| H010 | | | | | | | | | | |
| H0B10 | | | | | | | | | | |
| H0H10 | | | | | | | | | | |
| H0H-10K | | | | | | | | | | |
| H0H110 | | | | | | | | | | |
| H0S10 | | | | | | | | | | |
| N10 | | | | | | | | | | |
| NL10 | | | | | | | | | | |
| QJR10 | | | | | | | | | | |
| B112 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| B12 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| B212 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| B300 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| BB212 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| BL212 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| HJA6-12 | | | | | | | | | | |
| HJA8-12 | | | | | | | | | | |
| HLA6-12 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| H012 | | | | | | | | | | |
| H0B12 | | | | | | | | | | |
| H0H112 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| H0H12 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |

 Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

KITAGAWA

Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| H0H-12K | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| H0H300 H0S12 N12 NL12 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| QJR12 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| UVE315K | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| B15 ¹⁾ B215 ¹⁾ B380 ¹⁾ HJA11-15 ¹⁾ | KM-WBAL 150 | 0132526 | 22 | 60 | 80 | 145 | 30 | 43 | M20 | 5.1 |
| HLA6-15 HLA8-15 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| HOB15 ¹⁾ H0H15 ¹⁾ N15 NV15 ¹⁾ B18 ¹⁾ B450 ¹⁾ BB218 ¹⁾ HJA8-18 ¹⁾ HLA8-18 ¹⁾ HOB18 ¹⁾ N18 ¹⁾ NL18 ¹⁾ NV18 ¹⁾ BB221 ¹⁾ HJA8-21 ¹⁾ HLA8-21 ¹⁾ | KM-WBAL 150 | 0132526 | 22 | 60 | 80 | 145 | 30 | 43 | M20 | 5.1 |

1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please control the slot width and if necessary please use stepped T-nuts!



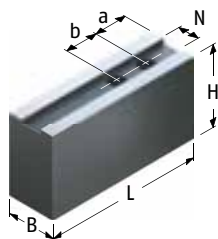
Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3,0 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3,0 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|----------------|
| HJ18 | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 |
| B21 ¹¹⁾ | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 |
| HJ21 | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 |
| HOB21 ¹¹⁾ | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 |
| N21 ¹¹⁾ | KM-WB 160 | 0132134 | 22 | 60 | 80 | 150 | 45 | 50 | M20 | 13.8 |
| | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 |
| | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 |
| NV21 ¹¹⁾ | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 |
| B24 ¹¹⁾ | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 |
| HJ24 | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 |
| HOB24 ¹¹⁾ | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 |
| N24 ¹¹⁾ | KM-WB 160 | 0132134 | 22 | 60 | 80 | 150 | 45 | 50 | M20 | 13.8 |
| NV24 ¹¹⁾ | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 |
| NV28 ¹¹⁾ | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 |
| NV32 ¹¹⁾ | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 |
| NV36 ¹¹⁾ | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 |
| NV40 ¹¹⁾ | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!

Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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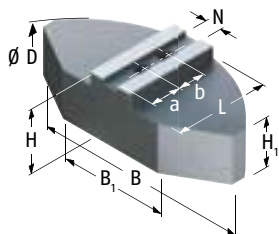
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B06 | | | | | | | | | | | | | |
| B106 | | | | | | | | | | | | | |
| B160 | | | | | | | | | | | | | |
| B206 | | | | | | | | | | | | | |
| BB06 | | | | | | | | | | | | | |
| BB206 | | | | | | | | | | | | | |
| BL206 | | | | | | | | | | | | | |
| BS306 | | | | | | | | | | | | | |
| HJA5-6 | | | | | | | | | | | | | |
| H06 | KMWB-SM 165 | 0132700 | 12 | 119 | 50 | 160 | 50 | 40 | 60 | 25 | 20 | M10 | 4.9 |
| HOB06 | | | | | | | | | | | | | |
| H0H06 | | | | | | | | | | | | | |
| H0H106 | | | | | | | | | | | | | |
| H0H160 | | | | | | | | | | | | | |
| H0H206 | | | | | | | | | | | | | |
| H0S06 | | | | | | | | | | | | | |
| MLO6 | | | | | | | | | | | | | |
| N06 | | | | | | | | | | | | | |
| NLO6 | | | | | | | | | | | | | |
| UVE160K | KMWB-SM 210 | 0132701 | 14 | 140 | 70 | 200 | 60 | 50 | 70 | 30 | 25 | M12 | 8.8 |
| | KMWB-SM 211 | 0132705 | 14 | 140 | 70 | 200 | 80 | 70 | 70 | 30 | 25 | M12 | 11.7 |
| AS165 B07 | KMWB-SM 165 | 0132700 | 12 | 119 | 50 | 160 | 50 | 40 | 60 | 25 | 20 | M10 | 4.9 |


Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.


For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B08 B108 B200 B208 BB08 BB208 BL208 BS308 HJA6-8 H08 HOB08 HOH08 HOH108 HOH200 HOH208 HOS08 ML08 N08 NL08 QJR08 | KMWB-SM 210 | 0132701 | 14 | 140 | 70 | 200 | 60 | 50 | 70 | 30 | 25 | M12 | 8.8 |
| UVE200K | KMWB-SM 250 | 0132702 | 16 | 180 | 100 | 250 | 60 | 45 | 80 | 30 | 30 | M12 | 12 |
| | KMWB-SM 251 | 0132706 | 16 | 180 | 100 | 250 | 80 | 70 | 80 | 30 | 30 | M12 | 18.5 |
| AS210 | KMWB-SM 210 | 0132701 | 14 | 140 | 70 | 200 | 60 | 50 | 70 | 30 | 25 | M12 | 8.8 |
| | KMWB-SM 211 | 0132705 | 14 | 140 | 70 | 200 | 80 | 70 | 70 | 30 | 25 | M12 | 11.7 |
| AS250 B250 HOH250 UVE250K B10 B110 B210 BB10 BB210 BL210 BS310 HJA6-10 HJA8-10 H010 HOB10 HOH10 HOH-10K HOH110 HOS10 N10 NL10 QJR10 | KMWB-SM 250 | 0132702 | 16 | 180 | 100 | 250 | 60 | 45 | 80 | 30 | 30 | M12 | 12 |
| | KMWB-SM 251 | 0132706 | 16 | 180 | 100 | 250 | 80 | 70 | 80 | 30 | 30 | M12 | 18.5 |
| B112 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |
| B12 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |
| B212 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |
| B300 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |
| BB212 BL212 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |
| HJA6-12 HJA8-12 HLA6-12 H012 HOB12 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |

 Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HOH112 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |
| HOH12 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |
| HOH-12K | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |
| HOH300 HOS12 N12 NL12 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |
| QJR12 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |
| UVE315K HLA6-15 HLA8-15 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |



Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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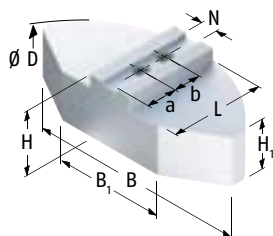
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B06 | | | | | | | | | | | | | |
| B106 | | | | | | | | | | | | | |
| B160 | | | | | | | | | | | | | |
| B206 | | | | | | | | | | | | | |
| BB06 | | | | | | | | | | | | | |
| BB206 | | | | | | | | | | | | | |
| BL206 | | | | | | | | | | | | | |
| BS306 | | | | | | | | | | | | | |
| HJA5-6 | | | | | | | | | | | | | |
| H06 | KMWB-SA 165 | 0132800 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 2.2 |
| HOB06 | | | | | | | | | | | | | |
| H0H06 | | | | | | | | | | | | | |
| H0H106 | | | | | | | | | | | | | |
| H0H160 | | | | | | | | | | | | | |
| H0H206 | | | | | | | | | | | | | |
| H0S06 | | | | | | | | | | | | | |
| MLO6 | | | | | | | | | | | | | |
| N06 | | | | | | | | | | | | | |
| NLO6 | | | | | | | | | | | | | |
| UVE160K | KMWB-SA 210 | 0132801 | 14 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 25 | M12 | 3.3 |
| | KMWB-SA 211 | 0132805 | 14 | 140 | 50 | 200 | 80 | 70 | 72.5 | 35 | 25 | M12 | 4.5 |
| AS165 B07 | KMWB-SA 165 | 0132800 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 2.2 |

Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B08 B108 B200 B208 BB08 BB208 BL208 BS308 HJA6-8 H08 HOB08 HOH08 HOH108 HOH200 HOH208 HOS08 MLO8 N08 NL08 QJR08 | KMWB-SA 210 | 0132801 | 14 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 25 | M12 | 3.3 |
| UVE200K | KMWB-SA 250 | 0132802 | 16 | 180 | 70 | 250 | 58 | 43 | 87.5 | 40 | 30 | M12 | 4.7 |
| | KMWB-SA 251 | 0132806 | 16 | 180 | 70 | 250 | 80 | 65 | 87.5 | 40 | 30 | M12 | 6.6 |
| AS210 | KMWB-SA 210 | 0132801 | 14 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 25 | M12 | 3.3 |
| | KMWB-SA 211 | 0132805 | 14 | 140 | 50 | 200 | 80 | 70 | 72.5 | 35 | 25 | M12 | 4.5 |
| AS250 B250 HOH250 UVE250K B10 B110 B210 BB10 BB210 BL210 BS310 HJA6-10 HJA8-10 H010 HOB10 HOH10 HOH-10K HOH110 HOS10 N10 NL10 QJR10 | KMWB-SA 250 | 0132802 | 16 | 180 | 70 | 250 | 58 | 43 | 87.5 | 40 | 30 | M12 | 4.7 |
| | KMWB-SA 251 | 0132806 | 16 | 180 | 70 | 250 | 80 | 65 | 87.5 | 40 | 30 | M12 | 6.6 |
| B112 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |
| B12 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |
| B212 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |
| B300 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |
| BB212 BL212 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |
| HJA6-12 HJA8-12 HLA6-12 H012 HOB12 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |



Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.





For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HOH112 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |
| HOH12 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |
| HOH-12K | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |
| HOH300 HOS12 N12 NL12 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |
| QJR12 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |
| UVE315K HLA6-15 HLA8-15 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |

 Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

KITAGAWA

Verzahnte Stangen | Serrated Bars

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| AS110 B204 BT204 HJ4 N04 NL04 NT04 B05 B205 BT205 HJ5 HOB05 N05 NT05 B06 B106 B160 B206 BB06 BB206 | JBM-ST 100 | 0114500 | 10 | 32 | 32 | 420 | 3.1 |
| BBT206 BL206 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| BLT206 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| BS306 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| BT206 HJA5-6 H06 HOB06 H0H06 H0H106 H0H160 H0H206 H0S06 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| ML06 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| MLT06 N06 NL06 NLT06 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |



Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.





For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] | |
|---|----------------------------|------------|-----------|-----------|-----------|-----------|----------------------------|------|
| UVE160K | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 | |
| | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 | |
| AS165 B07 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 | |
| B08 B108 B200 B208 BB08 BB208 BBT208 BL208 BLT208 BS308 BT208 HJA6-8 H08 H0B08 H0H08 H0H108 H0H200 H0H208 H0S08 MLO8 MLT08 N08 NL08 NLT08 QJR08 | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 | |
| | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 | |
| | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 | |
| | JBM-ST 161 | 0114531 | 16 | 40 | 120 | 420 | 15.4 | |
| | JBM-ST 162 | 0114532 | 16 | 60 | 60 | 420 | 11.4 | |
| | AS210 | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 |
| | | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 |

 Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| AS250 B250 HOH250 UVE250K B10 B110 B210 BB10 BB210 BBT210 BL210 BLT210 BS310 BT210 HJA6-10 HJA8-10 H010 H0B10 H0H10 H0H-10K H0H110 H0S10 N10 NL10 NLT10 QJR10 | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 161 | 0114531 | 16 | 40 | 120 | 420 | 15.4 |
| | JBM-ST 162 | 0114532 | 16 | 60 | 60 | 420 | 11.4 |
| B112 B212 BB212 BBT212 BL212 BLT212 BT212 H0H112 H0H-12K QJR12 | JBM-ST 210 | 0114540 | 21 | 50 | 80 | 420 | 12.7 |
| | JBM-ST 211 | 0114541 | 21 | 60 | 120 | 420 | 23.2 |
| B15 ¹⁾ B215 ¹⁾ B380 ¹⁾ HJ15 ¹⁾ HJ380 ¹⁾ HJA11-15 ¹⁾ H0B15 ¹⁾ H0H15 ¹⁾ N15 NV15 ¹⁾ B18 ¹⁾ B450 ¹⁾ BB218 ¹⁾ HJA8-18 ¹⁾ HLA8-18 ¹⁾ H0B18 ¹⁾ N18 ¹⁾ NL18 ¹⁾ NV18 ¹⁾ BB221 ¹⁾ HJA8-21 ¹⁾ HLA8-21 ¹⁾ | JBM-ST 220 | 0114550 | 22 | 60 | 120 | 420 | 23.2 |

1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



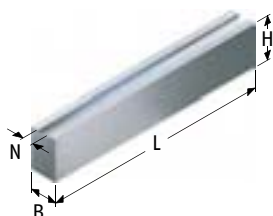
For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| AS110 B204 BT204 HJ4 N04 NL04 NT04 B05 B205 BT205 HJ5 HOB05 N05 NT05 B06 B106 B160 B206 BB06 BB206 | JBM-STA 100 | 0114501 | 10 | 30 | 40 | 420 | 1.3 |
| BBT206 BL206 BLT206 BS306 BT206 HJA5-6 H06 HOB06 HOH06 HOH106 HOH160 HOH206 HOS06 AS165 B07 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| ML06 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| MLT06 N06 NL06 NLT06 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| UVE160K | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |

Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


KITAGAWA


Verzahnte Stangen Aluminium | Serrated Bars Aluminum

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| B08 | | | | | | | |
| B108 | | | | | | | |
| B200 | | | | | | | |
| B208 | | | | | | | |
| BB08 | | | | | | | |
| BB208 | | | | | | | |
| BBT208 | | | | | | | |
| BL208 | | | | | | | |
| BLT208 | | | | | | | |
| BS308 | | | | | | | |
| BT208 | | | | | | | |
| HJA6-8 | | | | | | | |
| H08 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| H0B08 | | | | | | | |
| H0H08 | | | | | | | |
| H0H108 | | | | | | | |
| H0H200 | | | | | | | |
| H0H208 | | | | | | | |
| H0S08 | | | | | | | |
| MLO8 | | | | | | | |
| MLT08 | | | | | | | |
| N08 | | | | | | | |
| NL08 | | | | | | | |
| NLT08 | | | | | | | |
| QJR08 | | | | | | | |
| UVE200K | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| AS210 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| AS250 | | | | | | | |
| B250 | | | | | | | |
| H0H250 | | | | | | | |
| UVE250K | | | | | | | |
| B10 | | | | | | | |
| B110 | | | | | | | |
| B210 | | | | | | | |
| BB10 | | | | | | | |
| BB210 | | | | | | | |
| BBT210 | | | | | | | |
| BL210 | | | | | | | |
| BLT210 | | | | | | | |
| BS310 | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| BT210 | | | | | | | |
| HJA6-10 | | | | | | | |
| HJA8-10 | | | | | | | |
| H010 | | | | | | | |
| H0B10 | | | | | | | |
| H0H10 | | | | | | | |
| H0H-10K | | | | | | | |
| H0H110 | | | | | | | |
| H0S10 | | | | | | | |
| N10 | | | | | | | |
| NL10 | | | | | | | |
| NLT10 | | | | | | | |
| QJR10 | | | | | | | |

 Passende Nutensteine finden Sie ab Seite 392.
 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 392.
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Spitzverzahnung 1,5 mm x 60°


Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| B112 B212 BB212 BBT212 BL212 BLT212 BT212 H0H112 H0H-12K QJR12 | JBM-STA 210 | 0114542 | 21 | 50 | 80 | 420 | 4.6 |
| B15 ¹⁾ B215 ¹⁾ B380 ¹⁾ HJ15 ¹⁾ HJ380 ¹⁾ HJA11-15 ¹⁾ H0B15 ¹⁾ H0H15 ¹⁾ N15 NV15 ¹⁾ B18 ¹⁾ B450 ¹⁾ BB218 ¹⁾ HJA8-18 ¹⁾ HLA8-18 ¹⁾ H0B18 ¹⁾ N18 ¹⁾ NL18 ¹⁾ NV18 ¹⁾ BB221 ¹⁾ HJA8-21 ¹⁾ HLA8-21 ¹⁾ | JBM-STA 220 | 0114552 | 22 | 60 | 100 | 420 | 7 |

1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please control the slot width and if necessary please use stepped T-nuts!

 Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

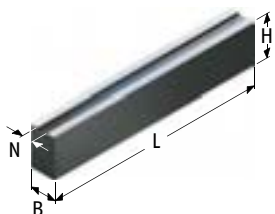
 For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

KITAGAWA

Verzahnte Stangen | Serrated Bars

Spitzverzahnung 3,0 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3,0 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| HJ18 B21 ¹¹⁾ N21 ¹¹⁾ NV21 ¹¹⁾ | JBM-ST 250 | 0114180 | 25 | 80 | 80 | 420 | 20.3 |
| B24 ¹¹⁾ N24 ¹¹⁾ NV24 ¹¹⁾ | JBM-ST 251 | 0114181 | 25 | 75 | 115 | 420 | 27.8 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



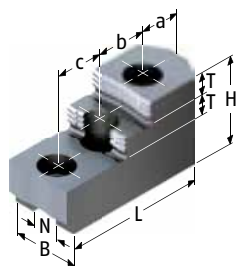
Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



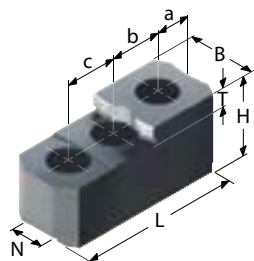
For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Fine serration 1,5 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| B06 | | | | | | | | | | | | | |
| B106 | | | | | | | | | | | | | |
| B160 | | | | | | | | | | | | | |
| B206 | | | | | | | | | | | | | |
| BB06 | | | | | | | | | | | | | |
| BB206 | | | | | | | | | | | | | |
| BL206 | | | | | | | | | | | | | |
| BS306 | | | | | | | | | | | | | |
| HJA5-6 | | | | | | | | | | | | | |
| H06 | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| H0B06 | | | | | | | | | | | | | |
| H0H06 | | | | | | | | | | | | | |
| H0H106 | | | | | | | | | | | | | |
| H0H160 | | | | | | | | | | | | | |
| H0H206 | | | | | | | | | | | | | |
| H0S06 | | | | | | | | | | | | | |
| ML06 | | | | | | | | | | | | | |
| N06 | | | | | | | | | | | | | |
| NL06 | | | | | | | | | | | | | |
| UVE160K | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| AS165 B07 | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| B08 B108 B200 B208 BB08 BB208 BL208 BS308 HJA6-8 H08 H0B08 HOH08 HOH108 HOH200 HOH208 H0S08 ML08 N08 NL08 QJR08 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| UVE200K | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| AS210 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| AS250 B250 HOH250 UVE250K B10 B110 B210 BB10 BB210 BL210 BS310 HJA6-10 HJA8-10 H010 H0B10 HOH10 HOH-10K HOH110 H0S10 N10 NL10 QJR10 | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| B112 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| B12 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| B212 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| B300 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| BB212 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| BL212 | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |



Passende Nutensteine finden Sie ab Seite 392.



For suitable T-nuts see page 392.

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| HJA6-12 HJA8-12 HLA6-12 H012 H0B12 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| H0H112 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| H0H12 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| H0H-12K | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| H0H300 H0S12 N12 NL12 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| QJR12 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| UVE315K | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| B15 ¹¹⁾ B215 ¹¹⁾ B380 ¹¹⁾ HJA11-15 ¹¹⁾ | SHB-J 150 | 0133114 | 1 | 22 | 60 | 86 | 143 | 20 | 27 | 43 | 43 | M20 | 9 |
| HLA6-15 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| HLA8-15 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| H0B15 ¹¹⁾ H0H15 ¹¹⁾ N15 NV15 ¹¹⁾ B18 ¹¹⁾ B450 ¹¹⁾ BB218 ¹¹⁾ HJA8-18 ¹¹⁾ HLA8-18 ¹¹⁾ H0B18 ¹¹⁾ N18 ¹¹⁾ NL18 ¹¹⁾ NV18 ¹¹⁾ BB221 ¹¹⁾ HJA8-21 ¹¹⁾ HLA8-21 ¹¹⁾ | SHB-J 150 | 0133114 | 1 | 22 | 60 | 86 | 143 | 20 | 27 | 43 | 43 | M20 | 9 |

7) Gewichtserleichterte Ausführung für max. Drehzahlen.

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

7) Reduced weight for higher RPM's.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 392.



For suitable T-nuts see page 392.

KITAGAWA

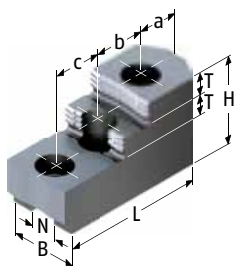
Harte Stufenaufsatzbacken | Hard Stepped Top Jaws

Spitzverzahnung 3,0 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 3,0 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| UVE400 ¹¹⁾ B21 ¹¹⁾ HOB21 ¹¹⁾ N21 ¹¹⁾ NV21 ¹¹⁾ B24 ¹¹⁾ HOB24 ¹¹⁾ N24 ¹¹⁾ NV24 ¹¹⁾ NV28 ¹¹⁾ NV32 ¹¹⁾ NV36 ¹¹⁾ NV40 ¹¹⁾ | SHB-J 152 | 0133106 | 22 | 60 | 75 | 144.5 | 17.5 | 66 | 50 | M20 | 9.8 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!

SHB-J 152 hat 2 Befestigungsbohrungen.

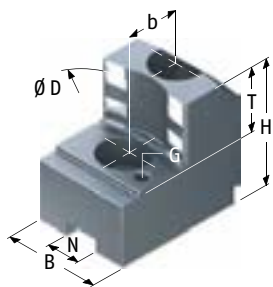
SHB-J 152 with 2 mounting holes.

 Passende Nutensteine finden Sie ab Seite 392.

 For suitable T-nuts see page 392.

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| B06 | 28 – 49 | 169 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 36 – 64 | 169 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 52 – 81 | 169 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 66 – 94 | 169 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 82 – 111 | 169 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| B106 | 37 – 71 | 176 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 53 – 87 | 176 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 67 – 101 | 176 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 83 – 117 | 176 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| B206 | 41 – 67 | 172 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 – 83 | 172 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 – 97 | 172 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 – 113 | 172 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BB06 | 36 – 56 | 176 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 51 – 71 | 176 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 67 – 87 | 176 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 81 – 101 | 176 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 97 – 117 | 176 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BB206 | 37 – 56 | 177 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 52 – 72 | 177 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 68 – 88 | 177 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 82 – 102 | 177 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 98 – 118 | 177 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |

Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.


KITAGAWA

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| BL206 | 28 - 54 | 174 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 41 - 70 | 174 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 - 86 | 174 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 - 100 | 174 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 - 116 | 174 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BS306 | 32 - 55 | 175 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 47 - 70 | 175 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 63 - 86 | 175 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 77 - 100 | 175 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 93 - 116 | 175 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HOH06 | 28 - 50 | 170 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 31 - 65 | 170 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 47 - 82 | 170 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 61 - 95 | 170 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 77 - 112 | 170 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HOH206 | 28 - 52 | 172 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 41 - 67 | 172 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 - 83 | 172 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 - 97 | 172 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 - 113 | 172 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| ML06 | 52 - 95 | 200 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 68 - 111 | 200 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 82 - 125 | 200 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 98 - 141 | 200 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| N06 | 31 - 46 | 166 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 46 - 61 | 166 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 62 - 77 | 166 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 77 - 93 | 166 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 93 - 107 | 166 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| NL06 | 35 - 51 | 171 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 50 - 66 | 171 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 66 - 82 | 171 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 80 - 96 | 171 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 96 - 112 | 171 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| B07 | 40 - 74 | 179 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 55 - 90 | 179 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 69 - 104 | 179 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 85 - 120 | 179 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |



 Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| B08 | 30 - 62 | 210 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 55 - 89 | 210 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 85 - 120 | 210 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 115 - 150 | 210 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 136 - 172 | 228 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| B108 | 30 - 67 | 214 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 55 - 95 | 214 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 85 - 125 | 214 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 115 - 156 | 214 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 136 - 178 | 234 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| B208 | 36 - 65 | 211 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 63 - 92 | 211 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 93 - 123 | 211 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 124 - 153 | 211 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 145 - 174 | 231 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| BB08 | 43 - 66 | 213 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 71 - 94 | 213 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 101 - 124 | 213 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 131 - 155 | 213 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 153 - 177 | 233 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| BB208 | 43 - 66 | 213 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 71 - 94 | 213 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 101 - 124 | 213 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 131 - 155 | 213 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 153 - 177 | 233 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| BL208 | 38 - 75 | 222 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 66 - 103 | 222 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 96 - 133 | 222 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 126 - 163 | 222 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 148 - 185 | 242 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| BS308 | 40 - 63 | 210 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 68 - 91 | 210 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 98 - 121 | 210 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 128 - 152 | 210 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 150 - 173 | 230 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HOH08 | 30 - 62 | 210 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 49 - 89 | 210 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 79 - 120 | 210 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 109 - 150 | 210 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 131 - 172 | 228 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |

 Passende Nutensteine finden Sie ab Seite 392.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
 For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.


KITAGAWA

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HOH208 | 36 - 65 | 211 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 63 - 92 | 211 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 93 - 123 | 211 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 124 - 153 | 211 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 145 - 174 | 231 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| MLO8 | 38 - 94 | 241 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 65 - 122 | 241 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 96 - 152 | 241 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 126 - 182 | 241 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 148 - 204 | 261 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| NO8 | 41 - 65 | 211 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 68 - 93 | 211 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 99 - 123 | 211 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 129 - 153 | 211 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 151 - 175 | 231 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| NLO8 | 37 - 65 | 212 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 65 - 93 | 212 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 95 - 123 | 212 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 125 - 154 | 212 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 147 - 176 | 232 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| UVE250K | 37 - 83 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 68 - 125 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 112 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 157 - 215 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 191 - 250 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| B10 | 37 - 78 | 255 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 78 - 120 | 255 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 122 - 164 | 259 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 167 - 209 | 275 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 202 - 244 | 307 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| B110 | 37 - 83 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 77 - 125 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 121 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 166 - 214 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 201 - 249 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| B210 | 42 - 83 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 83 - 125 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 127 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 172 - 214 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 207 - 249 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |



 Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| BB10 | 40 - 84 | 261 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 82 - 126 | 261 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 125 - 170 | 265 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 170 - 216 | 281 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 205 - 251 | 313 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| BB210 | 47 - 85 | 263 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 89 - 127 | 263 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 133 - 172 | 267 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 178 - 217 | 283 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 213 - 252 | 315 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| BL210 | 38 - 90 | 268 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 79 - 132 | 268 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 123 - 177 | 272 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 168 - 222 | 288 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 203 - 254 | 316 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| BS310 | 43 - 84 | 262 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 84 - 128 | 262 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 128 - 171 | 266 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 174 - 216 | 282 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 209 - 251 | 314 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| HJA8-10 | 37 - 84 | 262 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 73 - 126 | 262 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 117 - 170 | 265 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 162 - 216 | 281 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 197 - 251 | 313 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| HOH10 | 37 - 78 | 255 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 78 - 120 | 255 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 122 - 164 | 259 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 167 - 209 | 275 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 202 - 244 | 307 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| N10 | 37 - 77 | 254 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 77 - 119 | 254 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 121 - 163 | 258 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 166 - 208 | 274 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 201 - 244 | 306 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| NL10 | 37 - 81 | 258 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 75 - 123 | 258 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 119 - 167 | 262 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 199 - 248 | 310 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |

 Passende Nutensteine finden Sie ab Seite 392.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


KITAGAWA


Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| B12 | 42 - 110 | 322 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 95 - 170 | 336 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 161 - 237 | 328 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 224 - 301 | 372 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| B212 | 47 - 111 | 322 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 107 - 171 | 336 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 173 - 238 | 328 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 237 - 302 | 372 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| BB212 | 60 - 124 | 335 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 120 - 184 | 349 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 186 - 251 | 340 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 250 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| BL212 | 43 - 122 | 334 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 103 - 182 | 348 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 169 - 249 | 339 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 233 - 304 | 373 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| HJA8-12 | 42 - 113 | 324 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 99 - 173 | 338 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 165 - 240 | 330 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 228 - 304 | 374 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| HOH12 | 42 - 110 | 322 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 98 - 170 | 336 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 163 - 237 | 328 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 227 - 301 | 372 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| N12 | 42 - 116 | 328 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 101 - 176 | 342 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 167 - 243 | 334 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 230 - 304 | 374 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| NL12 | 42 - 114 | 325 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 101 - 173 | 339 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 167 - 240 | 331 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 231 - 305 | 375 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| UVE315K | 57 - 137 | 348 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 117 - 196 | 362 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 183 - 263 | 354 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 247 - 315 | 385 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |



 Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.


 For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| B15 ¹¹⁾ | 41 - 101 | 384 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 104 - 159 | 390 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 164 - 219 | 390 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 224 - 280 | 411 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 284 - 340 | 427 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 344 - 381 | 460 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| B215 ¹¹⁾ | 43 - 99 | 382 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 85 - 157 | 388 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 144 - 217 | 388 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 205 - 278 | 409 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 264 - 338 | 425 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 324 - 381 | 460 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| HJA11-15 ¹¹⁾ | 43 - 104 | 386 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 83 - 161 | 392 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 142 - 221 | 392 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 202 - 283 | 413 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 262 - 343 | 429 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 322 - 381 | 459 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| HOH15 ¹¹⁾ | 49 - 107 | 390 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 105 - 165 | 396 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 165 - 225 | 396 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 225 - 286 | 417 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 285 - 346 | 433 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 345 - 381 | 459 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| N15 | 44 - 102 | 385 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 100 - 160 | 391 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 159 - 220 | 391 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 220 - 281 | 412 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 280 - 341 | 428 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 340 - 381 | 460 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| NV15 ¹¹⁾ | 100 - 160 | 391 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 44 - 102 | 385 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 159 - 220 | 391 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 220 - 281 | 412 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 280 - 341 | 428 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 340 - 381 | 460 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |

 Passende Nutensteine finden Sie ab Seite 392.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
 For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

KITAGAWA

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*


Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| B18 ¹¹⁾ | 48 - 169 | 453 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 104 - 227 | 459 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 164 - 287 | 459 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 224 - 348 | 480 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 284 - 408 | 496 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 344 - 450 | 529 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| BB218 ¹¹⁾ | 99 - 175 | 459 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 157 - 233 | 465 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 217 - 293 | 465 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 278 - 355 | 486 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 338 - 415 | 502 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 398 - 450 | 529 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| N18 ¹¹⁾ | 101 - 162 | 446 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 157 - 220 | 452 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 219 - 280 | 452 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 280 - 342 | 473 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 340 - 402 | 489 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 400 - 450 | 529 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| NL18 ¹¹⁾ | 97 - 164 | 450 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 154 - 222 | 454 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 214 - 282 | 454 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 275 - 344 | 475 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 335 - 404 | 491 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 395 - 450 | 529 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| NV18 ¹¹⁾ | 101 - 162 | 446 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 157 - 220 | 452 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 219 - 280 | 452 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 280 - 342 | 473 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 340 - 402 | 489 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 400 - 450 | 529 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| BB221 ¹¹⁾ | 99 - 253 | 537 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 157 - 310 | 543 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 217 - 371 | 543 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 278 - 432 | 564 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 338 - 492 | 580 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 398 - 530 | 609 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

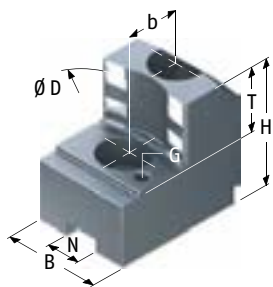
11) Please control the slot width and if necessary please use stepped T-nuts!

 Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3,0 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3,0 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| B21 ¹¹⁾ | 152 - 286 | 543 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 279 - 415 | 569 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 407 - 530 | 621 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| N21 ¹¹⁾ | 134 - 273 | 530 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 261 - 402 | 556 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 388 - 530 | 620 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| NV21 ¹¹⁾ | 134 - 273 | 530 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 261 - 402 | 556 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 388 - 530 | 620 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| B24 ¹¹⁾ | 171 - 364 | 622 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 298 - 494 | 648 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 426 - 610 | 700 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| N24 ¹¹⁾ | 210 - 351 | 608 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 338 - 480 | 634 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 466 - 608 | 698 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| NV24 ¹¹⁾ | 210 - 351 | 608 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 338 - 480 | 634 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 466 - 608 | 698 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

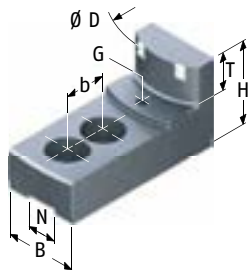
11) Please control the slot width and if necessary please use stepped T-nuts!

Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| B08 | 57 - 77 | 211 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 107 | 211 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 102 - 137 | 207 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 131 - 167 | 217 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| B108 | 57 - 82 | 217 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 112 | 217 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 102 - 143 | 213 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 131 - 173 | 233 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| B208 | 57 - 80 | 214 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 80 - 109 | 214 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 111 - 140 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 140 - 170 | 220 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| BB08 | 59 - 81 | 216 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 88 - 111 | 216 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 118 - 142 | 212 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 148 - 172 | 222 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| BB208 | 59 - 81 | 216 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 88 - 111 | 216 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 118 - 142 | 212 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 148 - 172 | 222 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| BL208 | 57 - 90 | 225 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 83 - 120 | 225 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 113 - 150 | 221 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 143 - 180 | 231 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |



Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| BS308 | 57 - 78 | 213 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 85 - 108 | 213 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 115 - 138 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 145 - 168 | 219 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HOH08 | 57 - 77 | 211 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 107 | 211 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 97 - 137 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 126 - 167 | 217 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HOH208 | 57 - 80 | 214 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 80 - 109 | 214 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 111 - 140 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 140 - 170 | 220 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| ML08 | 57 - 108 | 244 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 83 - 139 | 244 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 113 - 169 | 240 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 143 - 199 | 250 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| N08 | 57 - 80 | 214 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 86 - 110 | 214 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 116 - 140 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 145 - 170 | 220 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| NL08 | 57 - 80 | 215 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 82 - 110 | 215 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 112 - 140 | 211 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 142 - 170 | 221 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| UVE250K | 60 - 100 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 120 - 178 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 154 - 212 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| B10 | 60 - 95 | 256 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 94 - 135 | 256 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 130 - 172 | 254 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 164 - 206 | 262 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| B110 | 60 - 99 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 93 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 129 - 177 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 163 - 211 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| B210 | 60 - 99 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 98 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 135 - 177 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 169 - 211 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |


 Passende Nutensteine finden Sie ab Seite 392.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| BB10 | 60 - 101 | 262 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 97 - 141 | 262 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 134 - 179 | 258 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 168 - 213 | 268 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| BB210 | 64 - 102 | 264 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 104 - 143 | 264 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 141 - 180 | 260 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 175 - 214 | 270 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| BL210 | 60 - 107 | 269 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 94 - 147 | 269 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 131 - 185 | 265 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 165 - 219 | 275 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| BS310 | 60 - 101 | 263 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 100 - 142 | 263 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 137 - 179 | 259 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 171 - 213 | 269 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| HJA8-10 | 60 - 101 | 262 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 141 | 262 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 125 - 179 | 258 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 159 - 213 | 268 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| HOH10 | 60 - 95 | 256 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 94 - 135 | 256 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 130 - 172 | 254 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 164 - 206 | 262 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| N10 | 60 - 94 | 255 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 93 - 134 | 255 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 130 - 171 | 254 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 163 - 206 | 261 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| NL10 | 60 - 98 | 259 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 138 | 259 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 128 - 176 | 258 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 162 - 210 | 266 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| B12 | 78 - 139 | 315 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 124 - 200 | 321 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 188 - 264 | 305 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 240 - 316 | 357 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| B212 | 78 - 139 | 315 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 136 - 201 | 322 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 200 - 265 | 305 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 252 - 317 | 357 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |



 Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.


 For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| BB212 | 89 - 152 | 328 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 149 - 213 | 335 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 213 - 278 | 318 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 265 - 330 | 370 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| BL212 | 78 - 150 | 327 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 132 - 212 | 334 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 196 - 276 | 317 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 248 - 328 | 369 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| HJA8-12 | 78 - 141 | 317 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 128 - 202 | 323 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 192 - 267 | 307 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 244 - 319 | 359 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| HOH12 | 78 - 139 | 315 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 127 - 200 | 321 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 191 - 264 | 305 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 243 - 316 | 357 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| N12 | 78 - 145 | 321 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 130 - 206 | 326 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 194 - 270 | 311 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 246 - 322 | 363 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| NL12 | 78 - 142 | 318 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 130 - 203 | 324 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 195 - 268 | 308 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 246 - 320 | 360 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| UVE315K | 87 - 165 | 341 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 147 - 226 | 347 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 211 - 291 | 331 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 262 - 343 | 383 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| B15 ¹⁾ | 103 - 156 | 381 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 157 - 212 | 385 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 212 - 267 | 381 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 281 - 337 | 390 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 341 - 397 | 440 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| B215 ¹⁾ | 97 - 155 | 381 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 138 - 210 | 383 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 192 - 265 | 381 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 262 - 335 | 388 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 322 - 395 | 438 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |

 Passende Nutensteine finden Sie ab Seite 392.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 392.
 For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

KITAGAWA

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HJA11-15 ⁽¹⁾ | 97 - 157 | 382 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 136 - 215 | 387 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 190 - 270 | 382 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 259 - 340 | 392 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 319 - 400 | 442 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| H0H15 ⁽¹⁾ | 104 - 162 | 386 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 158 - 218 | 391 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 213 - 273 | 386 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 282 - 343 | 396 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 342 - 403 | 446 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| N15 | 99 - 157 | 381 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 153 - 213 | 386 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 208 - 268 | 381 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 277 - 338 | 391 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 337 - 398 | 441 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| NV15 ⁽¹⁾ | 99 - 157 | 381 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 153 - 213 | 386 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 208 - 268 | 381 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 277 - 338 | 391 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 337 - 398 | 441 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| B18 ⁽¹⁾ | 103 - 224 | 450 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 157 - 280 | 454 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 212 - 336 | 450 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 281 - 406 | 459 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 341 - 466 | 509 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| BB218 ⁽¹⁾ | 154 - 230 | 455 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 210 - 287 | 460 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 265 - 342 | 455 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 335 - 412 | 465 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 395 - 473 | 515 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| N18 ⁽¹⁾ | 156 - 217 | 450 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 212 - 273 | 450 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 267 - 329 | 442 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 337 - 399 | 452 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 397 - 459 | 502 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| NL18 ⁽¹⁾ | 152 - 220 | 450 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 207 - 276 | 450 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 262 - 332 | 450 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |



Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.


Spitzverzahnung 1,5 mm x 60°


Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| NV18 ¹¹⁾ | 156 - 217 | 450 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 212 - 273 | 450 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 267 - 329 | 442 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 337 - 399 | 452 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 397 - 459 | 502 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| BB221 ¹¹⁾ | 154 - 307 | 533 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 210 - 364 | 538 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 265 - 419 | 533 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 335 - 490 | 543 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 395 - 550 | 593 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!

 Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

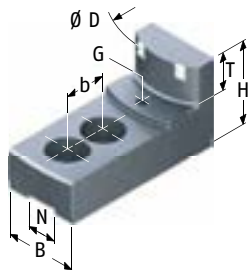
 For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

KITAGAWA

Harte Krallenbacken für Innenspannung | Hard Claw Jaws for I.D.-Clamping

Spitzverzahnung 3,0 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3,0 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| B21 ¹¹⁾ | 167 - 301 | 557 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 298 - 434 | 563 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| N21 ¹¹⁾ | 149 - 289 | 544 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 280 - 421 | 550 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| NV21 ¹¹⁾ | 149 - 289 | 544 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 280 - 421 | 550 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| B24 ¹¹⁾ | 185 - 386 | 642 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 317 - 519 | 648 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| N24 ¹¹⁾ | 225 - 366 | 622 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 357 - 499 | 628 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| NV24 ¹¹⁾ | 225 - 366 | 622 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 357 - 499 | 628 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!

Passende Nutensteine finden Sie ab Seite 392.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

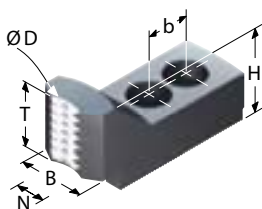
For suitable T-nuts see page 392.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B06 | 13 - 30 | 169 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| B106 | 14 - 37 | 176 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| B206 | 12 - 33 | 172 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| BB06 | 17 - 37 | 177 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| BB206 | 18 - 38 | 177 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| BL206 | 13 - 35 | 174 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| BS306 | 14 - 36 | 175 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0H06 | 13 - 31 | 170 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| H0H206 | 12 - 33 | 172 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| ML06 | 18 - 60 | 200 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| N06 | 13 - 27 | 166 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| NL06 | 16 - 32 | 171 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| B07 | 13 - 40 | 179 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| B08 | 17 - 40 | 212 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| B108 | 18 - 46 | 218 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| B208 | 17 - 43 | 215 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| BB08 | 22 - 45 | 217 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| BB208 | 22 - 45 | 217 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| BL208 | 18 - 53 | 226 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| BS308 | 19 - 42 | 214 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| H0H08 | 18 - 40 | 212 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| H0H208 | 17 - 43 | 215 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| ML08 | 18 - 72 | 245 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| N08 | 20 - 43 | 215 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| NL08 | 17 - 44 | 216 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| UVE250K | 17 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| B10 | 17 - 56 | 255 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |

Passende Nutensteine finden Sie ab Seite 392.

For suitable T-nuts see page 392.

KITAGAWA

Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

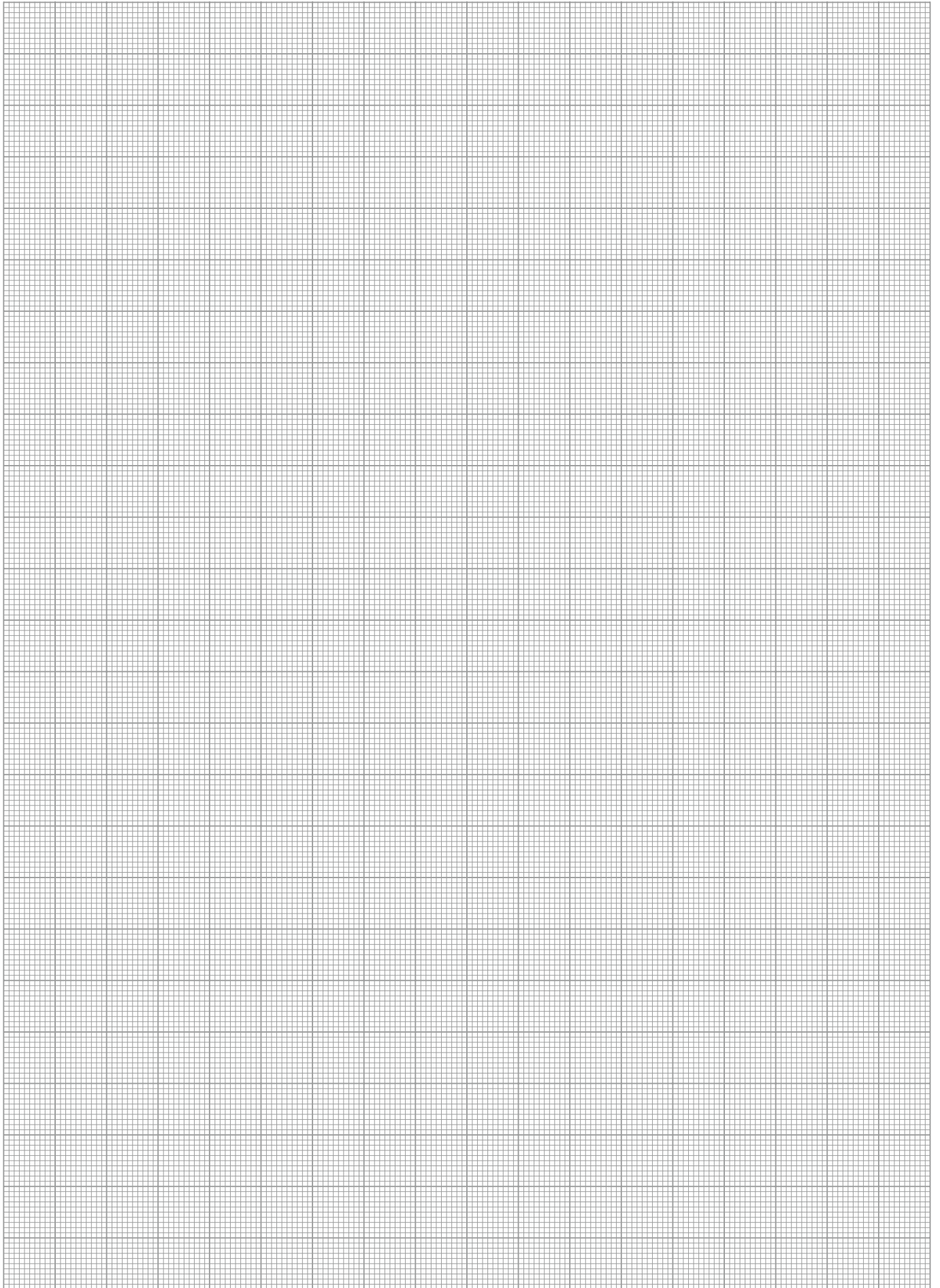
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| B110 | 18 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| B210 | 20 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| BB10 | 19 - 62 | 261 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| BB210 | 26 - 64 | 263 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| BL210 | 17 - 69 | 268 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| BS310 | 22 - 63 | 262 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| HJA8-10 | 17 - 63 | 262 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| H0H10 | 18 - 56 | 255 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| N10 | 16 - 55 | 254 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| NL10 | 17 - 59 | 258 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| B12 | 20 - 83 | 306 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| B212 | 22 - 84 | 306 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| BB212 | 33 - 96 | 319 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| BL212 | 22 - 95 | 318 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| HJA8-12 | 22 - 86 | 308 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| H0H12 | 22 - 83 | 306 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| N12 | 20 - 89 | 312 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| NL12 | 20 - 86 | 309 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| UVE315K | 31 - 109 | 332 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |



Passende Nutensteine finden Sie ab Seite 392.



For suitable T-nuts see page 392.

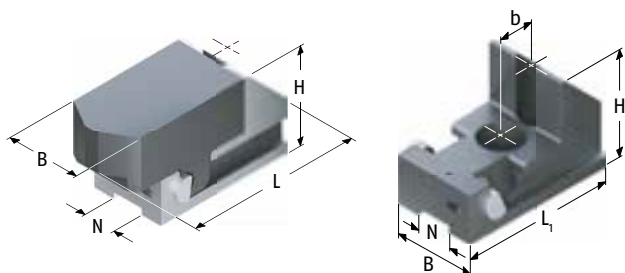


KITAGAWA

Backen-Schnellwechselsystem | Jaw quick-change System

Spitzverzahnung 1,5 mm x 60°

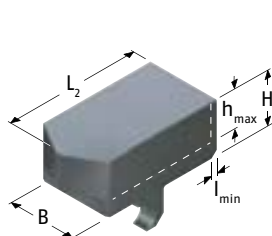
- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- Max. Spannbereich durch Versetzen der Trägerbacke möglich



Schnellwechselbacke, komplett Quick Change Jaw, complete Ausführung 2 | Version 2

Fine serration 1,5 mm x 60°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- Max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW Soft insert BWW

| Futtertypen Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Trägerbacke Support Jaw | ID | Wechselbacke Soft insert | ID | Spannkraft Clamping force [kN] |
|---|-------------------------------------|-------------------------------------|----------------------------|---------|-----------------------------|---------|-----------------------------------|
| B08 B108 B200 B208 BB08 HJA6-8 HOB08 HOH08 HOH108 HOS08 N08 AS210 | 8 - 140 | 218 | BWTJ-K-210-14 | 0105210 | BWW 200 | 0105306 | 90 |
| AS250 B250 HOH250 B10 B110 B210 BB10 HJA6-10 HJA8-10 H010 HOB10 HOH10 HOH-10K HOH110 HOS10 N10 | 15 - 180 | 258 | BWTJ-K-250-16 | 0105211 | BWW 200 | 0105306 | 90 |
| B12 | 30 - 224 | 312 | BWTJ-K-305-18 | 0105212 | BWW 250 | 0105307 | 120 |
| B212 | 25 - 222 | 310 | BWTJ-K-305-21 | 0105213 | BWW 250 | 0105307 | 120 |
| B300 HJA6-12 HJA8-12 HLA6-12 H012 HOB12 HOH12 HOH300 HOS12 N12 | 30 - 224 | 312 | BWTJ-K-305-18 | 0105212 | BWW 250 | 0105307 | 120 |

Passende Nutensteine finden Sie ab Seite 392.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 392.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| 14 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 25 | M12 | 1.9 |
| 16 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 30 | M12 | 1.91 |
| 18 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M14 | 3.75 |
| 21 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M16 | 3.8 |
| 18 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M14 | 3.75 |

KITAGAWA

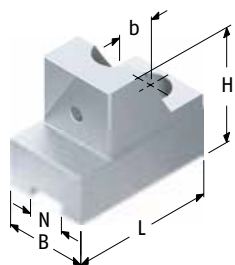
QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Spitzverzahnung 1,5 mm x 60°

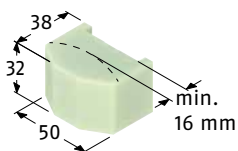
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung

Fine serration 1,5 mm x 60°

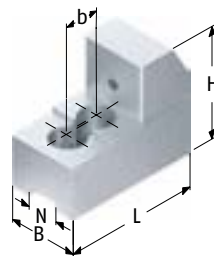
- Support Jaw made from high tensile aluminum
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 – 0.4
- Gentle clamping



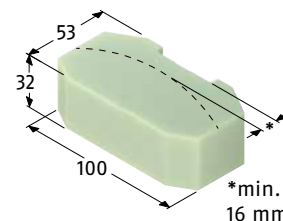
TRQ ...-1



QUENTES 10



TRQ ...-2



QUENTES 20

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|--|---|-----------------------------------|--------------------|---|--------------------|-----------|-----------|-----------|-----------|----------------------------|------------------------|-----------|
| B06 B106 B160 B206 BB06 HJA5-6 H06 HOB06 HOH06 HOH106 HOH160 HOH206 HOS06 N06 AS165 B07 | 20 – 47 | TRQJ 160-1 | 0150022 | QUENTES 10 | 0150100 | 12 | 40 | 55 | 65 | 20 | M10 | 0.6 |
| B08 B108 B200 B208 BB08 HJA6-8 HOB08 HOH08 HOH108 HOS08 N08 AS210 | 20 – 65 98 – 167 | TRQJ 200-1 TRQJ 200-2 | 0150005 0150006 | QUENTES 10 QUENTES 20 | 0150100 0150200 | 14 14 | 40 40 | 55 64 | 76 82 | 25 25 | M12 M12 | 0.77 1 |

 Passende Nutensteine finden Sie ab Seite 392.

 For suitable T-nuts see page 392.

KITAGAWA

QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

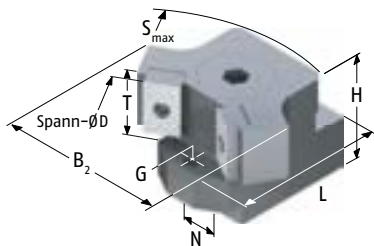
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz <i>Clamping insert</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|---|-----------------------------------|---------|--|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AS250 B250 HOH250 B10 B110 B210 BB10 HJA6-10 HJA8-10 HO10 HOB10 HOH10 HOH-10K HOH110 HOS10 N10 | 20 - 81 | TRQJ 250-1 | 0150007 | QUENTES 10 | 0150100 | 16 | 40 | 58 | 85 | 30 | M12 | 0.87 |
| | 127 - 175 | TRQJ 250-2 | 0150008 | QUENTES 20 | 0150200 | 16 | 40 | 67 | 92 | 30 | M12 | 1.15 |

 Passende Nutensteine finden Sie ab Seite 392.

 For suitable T-nuts see page 392.

Spitzverzahnung 1,5 mm x 60°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine
- Liefereinheit: 1 Stück



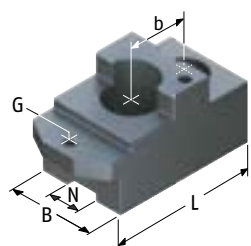
Fine serration 1,5 mm x 60°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts
- Delivery unit: 1 piece

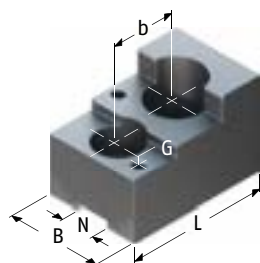
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|--------------------------|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| B08 | 61 - 75 | 213 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 92 - 107 | 235 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 122 - 137 | 235 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| B208 | 57 - 74 | 210 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 88 - 105 | 232 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 118 - 135 | 232 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| BB08 | 70 - 82 | 213 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 101 - 113 | 235 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 131 - 143 | 235 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| HOH208 | 57 - 74 | 210 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 88 - 105 | 232 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 118 - 135 | 232 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| B10 | 65 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 74 - 102 | 261 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 106 | 261 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 118 - 148 | 276 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 133 - 163 | 276 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| B210 | 70 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 76 - 106 | 266 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 110 | 266 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 122 - 153 | 281 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 137 - 168 | 281 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| HOH-10K N10 | 65 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 74 - 102 | 261 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 106 | 261 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 118 - 148 | 276 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 133 - 163 | 276 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |

Passende Nutensteine finden Sie ab Seite 392.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.

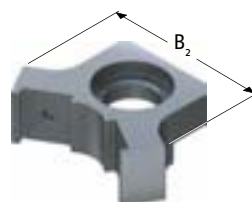
For suitable T-nuts see page 392.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



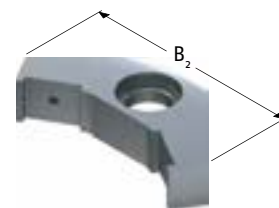
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |

KITAGAWA

Pendelbacken | *Pendulum Jaws*

Spitzverzahnung 1,5 mm x 60°

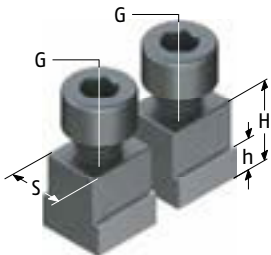
Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| B12 | 68 - 112 | 291 | PNS-M 315-18-1 | 0160210 | PT 18-1 | 0160002 | PB 315-1 | 0192105 |
| | 105 - 144 | 312 | PNS-M 315-18-2 | 0160211 | PT 18-1 | 0160002 | PB 315-2 | 0192106 |
| | 146 - 202 | 330 | PNS-M 315-18-3 | 0160212 | PT 18-2 | 0160003 | PB 315-3 | 0192107 |
| | 163 - 213 | 332 | PNS-M 315-18-4 | 0160213 | PT 18-2 | 0160003 | PB 315-4 | 0192108 |
| B212 | 79 - 112 | 291 | PNS-M 315-21-1 | 0160223 | PT 21-3 | 0160004 | PB 315-1 | 0192105 |
| | 105 - 139 | 306 | PNS-M 315-21-2 | 0160224 | PT 21-3 | 0160004 | PB 315-2 | 0192106 |
| | 156 - 202 | 325 | PNS-M 315-21-3 | 0160225 | PT 21-4 | 0160005 | PB 315-3 | 0192107 |
| | 163 - 208 | 326 | PNS-M 315-21-4 | 0160226 | PT 21-4 | 0160005 | PB 315-4 | 0192108 |
| B300 HOH-12K N12 | 68 - 112 | 291 | PNS-M 315-18-1 | 0160210 | PT 18-1 | 0160002 | PB 315-1 | 0192105 |
| | 105 - 144 | 312 | PNS-M 315-18-2 | 0160211 | PT 18-1 | 0160002 | PB 315-2 | 0192106 |
| | 146 - 202 | 330 | PNS-M 315-18-3 | 0160212 | PT 18-2 | 0160003 | PB 315-3 | 0192107 |
| | 163 - 213 | 332 | PNS-M 315-18-4 | 0160213 | PT 18-2 | 0160003 | PB 315-4 | 0192108 |

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 315-2 | 0194105 | 18 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M14 | 2.4 |
| SP 315-2 | 0194105 | 18 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M14 | 2.45 |
| SP 315-4 | 0194107 | 18 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M14 | 2.65 |
| SP 315-4 | 0194107 | 18 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M14 | 3 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M16 | 2.35 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M16 | 2.45 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M16 | 2.6 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M16 | 2.9 |
| SP 315-2 | 0194105 | 18 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M14 | 2.4 |
| SP 315-2 | 0194105 | 18 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M14 | 2.45 |
| SP 315-4 | 0194107 | 18 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M14 | 2.65 |
| SP 315-4 | 0194107 | 18 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M14 | 3 |

Einzel-Nutensteine

- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Single T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

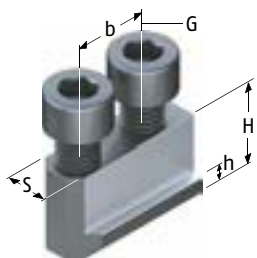
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | S [mm] | H [mm] | h [mm] | G | Zyl.-Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---------------------------------|---|---------|-----------|-----------|-----------|-----|------------------------------------|---|
| B08 | NJ 80 ¹⁶⁾ gesägt <i>sawn</i> | 0146004 | 14 | 24.5 | 8.5 | M12 | M12x35 | 70 |
| B208 BB08 H0H208 | NJ 82 ¹⁶⁾ gesägt <i>sawn</i> | 0146005 | 14 | 20.5 | 8.5 | M12 | M12x30 | 70 |
| B10 | NJ 100 ¹⁶⁾ gesägt <i>sawn</i> | 0146003 | 16 | 24.5 | 8.5 | M12 | M12x35 | 70 |
| B210 | NJ 103 ¹⁶⁾ gesägt <i>sawn</i> | 0146002 | 16 | 21.5 | 8.5 | M12 | M12x30 | 70 |
| H0H-10K N10 | NJ 100 ¹⁶⁾ gesägt <i>sawn</i> | 0146003 | 16 | 24.5 | 8.5 | M12 | M12x35 | 70 |
| B112 | NJ 124 ¹⁶⁾ gesägt <i>sawn</i> | 0146000 | 21 | 28 | 11.5 | M16 | M16x40 | 150 |
| B12 | NJ 121 ¹⁶⁾ gesägt <i>sawn</i> | 0146001 | 18 | 33.5 | 13.5 | M14 | M14x45 | 130 |
| B212 | NJ 124 ¹⁶⁾ gesägt <i>sawn</i> | 0146000 | 21 | 28 | 11.5 | M16 | M16x40 | 150 |
| B300 H0H-12K N12 | NJ 121 ¹⁶⁾ gesägt <i>sawn</i> | 0146001 | 18 | 33.5 | 13.5 | M14 | M14x45 | 130 |

16) Für Pendelbacken mit 1,5X60° (1 Stück Kombi-Nutenstein = 2 Einzel-Nutensteine)

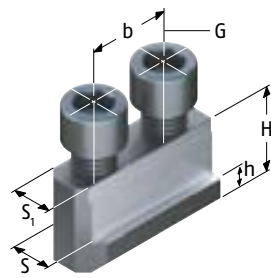
16) For pendulum jaws 1,5X60° (1 Piece Combi-T-Nut = 2 Single T-Nuts)

Kombi-Nutensteine

- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Combi T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube Cyl.-Screw | Max. zul. Anzieh- drehmoment Max. adm. tight- ening torque [Nm] |
|--|----------------------------|---------|-----------------------|-----------|------------|-----------|-----------|-----------|-----|---------------------------------|---|
| AS110 | NJ 41 | 0146116 | 1 | 10 | | 18 | 5.5 | 14 | M8 | M8x22 | 30 |
| B04 | NJ 42 | 0146129 | 1 | 8 | | 13.5 | 4.5 | 15 | M6 | M6x18 | 16 |
| B204 BT204 | NJ 43 | 0146113 | 1 | 10 | | 15 | 5 | 14 | M8 | M8x20 | 30 |
| HJ4 | NJ 41 | 0146116 | 1 | 10 | | 18 | 5.5 | 14 | M8 | M8x22 | 30 |
| HOB04 | NJ 42 | 0146129 | 1 | 8 | | 13.5 | 4.5 | 15 | M6 | M6x18 | 16 |
| N04 NL04 | NJ 41 | 0146116 | 1 | 10 | | 18 | 5.5 | 14 | M8 | M8x22 | 30 |
| NT04 | NJ 43 | 0146113 | 1 | 10 | | 15 | 5 | 14 | M8 | M8x20 | 30 |
| B05 | NJ 52 | 0146118 | 1 | 10 | | 15.5 | 5.5 | 18 | M8 | M8x20 | 30 |
| B205 BT205 | NJ 43 | 0146113 | 1 | 10 | | 15 | 5 | 14 | M8 | M8x20 | 30 |
| HJ5 | NJ 51 | 0146117 | 1 | 10 | | 18 | 5.5 | 19 | M8 | M8x22 | 30 |
| HOB05 | NJ 52 | 0146118 | 1 | 10 | | 15.5 | 5.5 | 18 | M8 | M8x20 | 30 |
| N05 NT05 | NJ 51 | 0146117 | 1 | 10 | | 18 | 5.5 | 19 | M8 | M8x22 | 30 |
| B06 B106 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| B160 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| B206 BB06 BB206 BBT206 BL206 BLT206 BS306 BT206 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| HJA5-6 H06 HOB06 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| H0H06 H0H106 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| H0H160 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| H0H206 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| H0S06 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |

Kombi-Nutensteine

Combi T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| ML06 MLT06 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| N06 NL06 NLT06 AS165 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| B07 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| B08 B108 B200 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| B208 BB08 BB208 BBT208 BL208 BLT208 BS308 BT208 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| HJA6-8 H08 HOB08 HOH08 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HOH108 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| HOH200 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| HOH208 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| H0S08 ML08 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| MLT08 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| N08 NL08 NLT08 AS210 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| AS250 B250 HOH250 B10 B110 | NJ 100 | 0146102 | 1 | 16 | | 24.5 | 8.5 | 30 | M12 | M12x35 | 70 |
| B210 BB10 BB210 BBT210 BL210 BLT210 BS310 BT210 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| HJA6-10 HJA8-10 H010 HOB10 HOH10 | NJ 100 | 0146102 | 1 | 16 | | 24.5 | 8.5 | 30 | M12 | M12x35 | 70 |
| HOH-10K HOH110 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| H0S10 N10 NL10 NLT10 | NJ 100 | 0146102 | 1 | 16 | | 24.5 | 8.5 | 30 | M12 | M12x35 | 70 |
| B112 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |

Kombi-Nutensteine

Combi T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| B12 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| B212 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| B300 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| BB212 | NJ 126 | 0146141 | 1 | 21 | | 23 | 11.5 | 30 | M16 | M16x35 | 150 |
| BBT212 BL212 BLT212 BT212 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| HJA6-12 HJA8-12 HLA6-12 H012 H0B12 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| H0H112 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| H0H12 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| H0H-12K | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| H0H300 H0S12 N12 NL12 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| B15 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| | NJ 156 | 0146136 | 2 | 24 | 21 | 42.5 | 16.5 | 30 | M16 | M16x60 | 150 |
| B215 | NJ 212 | 0146138 | 2 | 25.5 | 22 | 39.5 | 19 | 43 | M20 | M20x50 | 300 |
| B380 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| | NJ 156 | 0146136 | 2 | 24 | 21 | 42.5 | 16.5 | 30 | M16 | M16x60 | 150 |
| HJ15 HJ380 | NJ 150 | 0146124 | 1 | 22 | | 45.5 | 16.5 | 60 | M20 | M20x60 | 300 |
| HJA11-15 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| HLA6-15 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |
| H0B15 H0H15 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| N15 NV15 | NJ 212 | 0146138 | 2 | 25.5 | 22 | 39.5 | 19 | 43 | M20 | M20x50 | 300 |
| B18 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| B450 | NJ 156 | 0146136 | 2 | 24 | 21 | 42.5 | 16.5 | 30 | M16 | M16x60 | 150 |
| BB218 | NJ 180 | 0146142 | 1 | 25.5 | 22 | 29 | 14.4 | 43 | M20 | M20 x 50 mm | 300 |
| HJ18 | NJ 211 | 0146106 | 1 | 25 | | 54 | 19 | 60 | M20 | M20x70 | 300 |
| HJA8-18 HLA8-18 H0B18 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| N18 NL18 NV18 | NJ 212 | 0146138 | 2 | 25.5 | 22 | 39.5 | 19 | 43 | M20 | M20x50 | 300 |
| B21 | NJ 210 | 0146126 | 1 | 25 | | 45 | 19 | 60 | M20 | M20x60 | 300 |
| | NJ 213 | 0146140 | 2 | 25 | 22 | 45 | 19 | 50 | M20 | M20x55 | 300 |
| BB221 | NJ 180 | 0146142 | 1 | 25.5 | 22 | 29 | 14.4 | 43 | M20 | M20 x 50 mm | 300 |
| HJ21 | NJ 211 | 0146106 | 1 | 25 | | 54 | 19 | 60 | M20 | M20x70 | 300 |
| HJA8-21 HLA8-21 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |

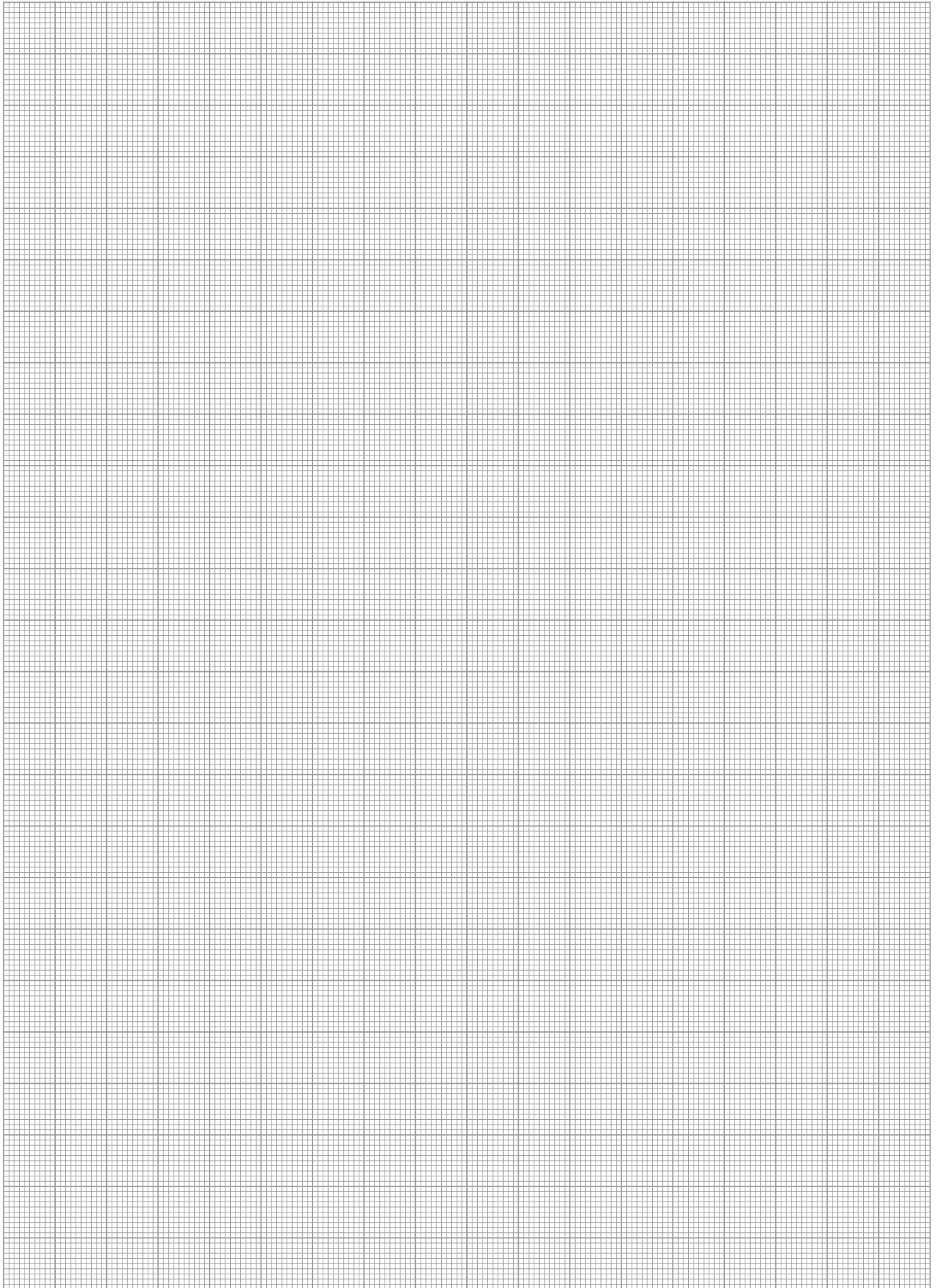
KITAGAWA

Nutensteine | T-Nuts

Kombi-Nutensteine

Combi T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| HOB21 N21 NV21 B24 | NJ 210 | 0146126 | 1 | 25 | | 45 | 19 | 60 | M20 | M20x60 | 300 |
| | NJ 213 | 0146140 | 2 | 25 | 22 | 45 | 19 | 50 | M20 | M20x55 | 300 |
| HJ24 | NJ 211 | 0146106 | 1 | 25 | | 54 | 19 | 60 | M20 | M20x70 | 300 |
| HOB24 N24 NV24 NV28 NV32 NV36 NV40 | NJ 210 | 0146126 | 1 | 25 | | 45 | 19 | 60 | M20 | M20x60 | 300 |
| | NJ 213 | 0146140 | 2 | 25 | 22 | 45 | 19 | 50 | M20 | M20x55 | 300 |



RÖHM Spannbacken

RÖHM Chuck Jaws

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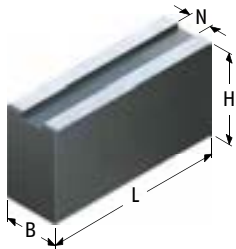
| Low-deformation clamping | | |
|--------------------------|---------------|-----|
| Pendulum jaws | O.D. clamping | 496 |
| Soft full grip top jaws | | 477 |
| Quentes | O.D. clamping | 487 |

| Quick-change chucks | | |
|-------------------------|---------------|-----|
| Base jaws | | 492 |
| Soft top jaws | | 470 |
| Claw jaws | O.D. clamping | 480 |
| | I.D. clamping | 484 |
| Stepped top jaws | O.D. clamping | 479 |
| | I.D. clamping | 479 |
| Pendulum jaws | O.D. clamping | 496 |
| Quentes | O.D. clamping | 487 |
| Block jaws | | 488 |
| Hard Stepped Block Jaws | O.D. clamping | 490 |
| | I.D. clamping | 490 |

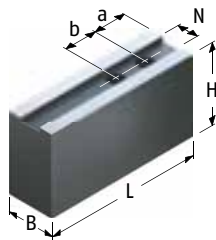
Available accessories from page 694

Spitzverzahnung 1/16" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1/16" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| KFD 160 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| KFD-AF 160 | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| KFD-HF 160 | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| KFH 160 | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| KFH-F 160 | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| KFH-G 160 | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| KFH-NC 160 | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| SPD 160 | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| SPO 160 | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| DURO-NCGB 200 | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| KFD 200 | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| KFD-AF 200 | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| KFD-EC 200 | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| KFD-HF 200 | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| KFD-HS 200 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| KFH 200 | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| KFH-F 200 | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| KFH-G 200 | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| KFH-NC 200 | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| LVE 200 | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| KFA 200 | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| KFD-G 200 | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Spitzverzahnung 1/16" x 90°


Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|---|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| KFD-HE 210 ²⁰⁾ SPD 215 SPO 215 KFD-HS 250 ²⁰⁾ KFL 250 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| DURO-NCGB 250 KFD 250 KFD-AF 250 KFD-EC 250 KFD-HF 250 KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 LVE 250 KFD-HE 254 ²⁰⁾ SPD 300 SPO 300 DURO-NCGB 315 KFD 315 KFD-AF 315 KFD-EC 315 KFD-HE 315- 121 ²⁰⁾ KFD-HE 315- 91 ²⁰⁾ KFD-HF 315 KFD-HS 315- 108 ²⁰⁾ KFD-HS 315- 86 ²⁰⁾ KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 KFL 400 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |

20) Bitte überprüfen Sie die Anschlussmaße.

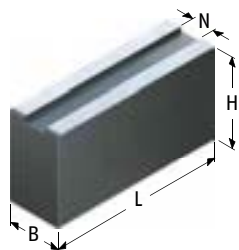
20) Please check the connecting dimensions.

 Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

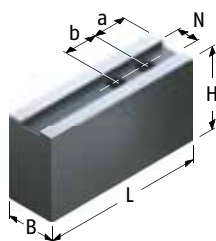
 For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 3/32" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| DURO-NCGB 400 | SBM 50 | 0112126 | 0113126 | 25.5 | 60 | 60 | 140 | 20 | 35 | M20 | 4 |
| KFD 400 | SBM 51 | 0112127 | 0113127 | 25.5 | 60 | 80 | 140 | 20 | 35 | M20 | 5 |
| KFD-EC 400 | SBM 52 | 0112128 | 0113128 | 25.5 | 60 | 100 | 140 | 20 | 35 | M20 | 6.5 |
| KFD-HF 400 | SBM 53 | 0112129 | 0113129 | 25.5 | 60 | 100 | 155 | 20 | 35 | M20 | 7.2 |
| KFD-HS 400 | SBM 531 | 0112138 | 0113138 | 25.5 | 60 | 100 | 195 | 20 | 35 | M20 | 9.1 |
| KFH 400 | SBM 5312 | 0112130 | 0113130 | 25.5 | 60 | 120 | 155 | 20 | 35 | M20 | 8.7 |
| KFH-F 400 | SBM 5315 | 0112131 | 0113131 | 25.5 | 58 | 160 | 155 | 20 | 35 | M20 | 11.5 |
| KFH-G 400 | SBM 5320 | 0112132 | 0113132 | 25.5 | 58 | 200 | 155 | 20 | 35 | M20 | 14.2 |
| KFH-NC 400 | SBM 57 | 0112134 | 0113134 | 25.5 | 80 | 80 | 155 | 20 | 35 | M20 | 7.2 |
| LVE 400 | | | | | | | | | | | |
| DURO-NCGB 500 | | | | | | | | | | | |
| KFD 500 | | | | | | | | | | | |
| KFD-HF 500 | | | | | | | | | | | |
| KFD-HS 500 | | | | | | | | | | | |
| KFH 500 | | | | | | | | | | | |
| KFH-F 500 | | | | | | | | | | | |
| KFH-G 500 | | | | | | | | | | | |
| KFH-NC 500 | | | | | | | | | | | |
| KFL 500 | | | | | | | | | | | |
| LVE 500 | SBM 58 | 0112135 | 0113135 | 25.5 | 100 | 100 | 155 | 20 | 35 | M20 | 11.6 |
| KFL 600 | | | | | | | | | | | |
| DURO-NCGB 630 | | | | | | | | | | | |
| KFD 630 | | | | | | | | | | | |
| KFD-HF 630 | | | | | | | | | | | |
| LVE 630 | | | | | | | | | | | |
| KFD 800 | | | | | | | | | | | |
| LVE 800 | | | | | | | | | | | |



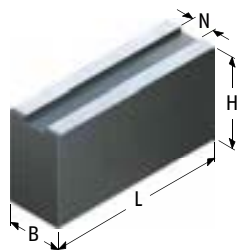
Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



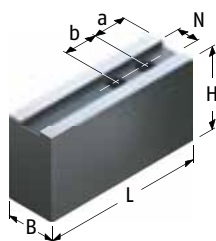
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1,5 mm x 60°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|---|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| KFN 105 | SBJM 50 | 0132149 | 0133149 | 10 | 22 | 47 | 55 | 8 | 14 | M8 | 0.4 |
| KFD-HE 170 ²⁰⁾ | SBJM 70 | 0132150 | 0133150 | 12 | 35 | 60 | 80 | 12 | 20 | M10 | 1.3 |
| KFD-HE 210 ²⁰⁾ | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 |
| | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 |
| | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 |
| | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 |
| | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 |
| | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| KFD-HE 254 ²⁰⁾ | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| | JBM 100 | 0114412 | 0114442 | 16 | 40 | 80 | 120 | 13 | 30 | M12 | 3 |
| | JBM 101 | 0114410 | 0114440 | 16 | 40 | 60 | 90 | 13 | 30 | M12 | 1.6 |
| | JBM 102 | 0114411 | 0114441 | 16 | 40 | 60 | 110 | 13 | 30 | M12 | 2.1 |
| | JBM 103 | 0114413 | 0114443 | 16 | 40 | 100 | 110 | 13 | 30 | M12 | 3.4 |
| | JBM 104 | 0114414 | 0114444 | 16 | 50 | 120 | 110 | 13 | 30 | M12 | 5 |
| | JBM 105 | 0114415 | 0114445 | 16 | 60 | 60 | 95 | 13 | 30 | M12 | 2.7 |
| | JBM 106 | 0114416 | 0114446 | 16 | 60 | 90 | 95 | 13 | 30 | M12 | 4 |
| KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ | JBM 107 | 0114417 | 0114447 | 16 | 80 | 60 | 95 | 13 | 30 | M12 | 3.5 |
| | JBM 120 | 0114420 | 0114450 | 21 | 50 | 60 | 130 | 15 | 30 | M16 | 3.1 |
| | JBM 121 | 0114421 | 0114451 | 21 | 50 | 80 | 130 | 15 | 30 | M16 | 4.1 |
| | JBM 122 | 0114422 | 0114452 | 21 | 50 | 120 | 130 | 15 | 30 | M16 | 6 |
| | JBM 123 | 0114423 | 0114453 | 21 | 60 | 150 | 130 | 15 | 30 | M16 | 8.8 |
| | JBM 124 | 0114424 | 0114454 | 21 | 80 | 80 | 130 | 15 | 30 | M16 | 6.2 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



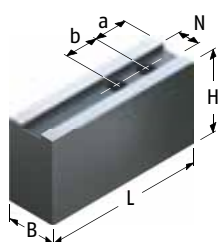
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

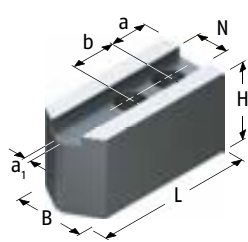
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

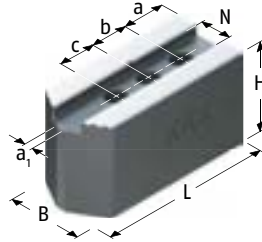
- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD 110 | SWB-FR 130 | 0120400 | 3 | 10 | 25 | 30 | 55.5 | 3 | 11 | 12 | 12 | M6 | 0.8 |
| | SWB-FR 132 | 0132141 | 1 | 10 | 22 | 47 | 53 | | 9 | 12 | 12 | M6 | 1 |
| | SWB-FR 133 | 0120410 | 3 | 10 | 32 | 32 | 62 | 2 | 9 | 12 | 12 | M6 | 1.2 |
| KFD-HS 110 | SWB-FR 110 | 0120408 | 2 | 10 | 25 | 32 | 45 | 5 | 12 | 15 | | M8 | 0.6 |
| KFD 125 KFD-HS 125 ²⁰⁾ | SWB-FR 130 | 0120400 | 3 | 10 | 25 | 30 | 55.5 | 3 | 11 | 12 | 12 | M6 | 0.8 |
| | SWB-FR 132 | 0132141 | 1 | 10 | 22 | 47 | 53 | | 9 | 12 | 12 | M6 | 1 |
| | SWB-FR 133 | 0120410 | 3 | 10 | 32 | 32 | 62 | 2 | 9 | 12 | 12 | M6 | 1.2 |
| LVE 125 KFD 130 | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | | M8 | 1.2 |
| KFD-HE 130 ²⁰⁾ | SWB-FR 110 | 0120408 | 2 | 10 | 25 | 32 | 45 | 5 | 12 | 15 | | M8 | 0.6 |
| KFD-HS 130 ²⁰⁾ KFD 140 ²⁰⁾ | SWB-FR 130 | 0120400 | 3 | 10 | 25 | 30 | 55.5 | 3 | 11 | 12 | 12 | M6 | 0.8 |
| | SWB-FR 132 | 0132141 | 1 | 10 | 22 | 47 | 53 | | 9 | 12 | 12 | M6 | 1 |
| | SWB-FR 133 | 0120410 | 3 | 10 | 32 | 32 | 62 | 2 | 9 | 12 | 12 | M6 | 1.2 |
| KFD-HE 140 ²⁰⁾ | SWB-FR 110 | 0120408 | 2 | 10 | 25 | 32 | 45 | 5 | 12 | 15 | | M8 | 0.6 |
| | SWB-FR 111 | 0120411 | 3 | 10 | 30 | 50 | 70 | 4 | 12 | 15 | 15 | M8 | 1.8 |
| KFD-HS 140 ²⁰⁾ | SWB-FR 130 | 0120400 | 3 | 10 | 25 | 30 | 55.5 | 3 | 11 | 12 | 12 | M6 | 0.8 |
| | SWB-FR 132 | 0132141 | 1 | 10 | 22 | 47 | 53 | | 9 | 12 | 12 | M6 | 1 |
| | SWB-FR 133 | 0120410 | 3 | 10 | 32 | 32 | 62 | 2 | 9 | 12 | 12 | M6 | 1.2 |
| KFH 140 | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | | M8 | 1.2 |
| KFD 160 KFD-AF 160 KFD-HF 160 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 3.1 |
| | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | | M12 | 1.9 |
| KFD-HS 160 ²⁰⁾ | SWB-FR 160 | 0120402 | 1 | 12 | 30 | 38 | 55.5 | | 9 | 15 | | M8 | 1.2 |
| | SWB-FR 161 | 0120403 | 1 | 12 | 30 | 55.5 | 55 | | 9 | 15 | | M8 | 1.8 |
| | SWB-FR 162 | 0120409 | 2 | 12 | 35 | 40 | 72 | 3 | 12 | 15 | | M8 | 1.6 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 3.1 |
| | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | | M12 | 1.9 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| LVE 160 ²⁰⁾ | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | | M8 | 1.2 |
| | SWB-FR 160 | 0120402 | 1 | 12 | 30 | 38 | 55.5 | | 9 | 15 | | M8 | 1.2 |
| | SWB-FR 161 | 0120403 | 1 | 12 | 30 | 55.5 | 55 | | 9 | 15 | | M8 | 1.8 |
| | SWB-FR 162 | 0120409 | 2 | 12 | 35 | 40 | 72 | 3 | 12 | 15 | | M8 | 1.6 |
| SPD 160 SPO 160 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 3.1 |
| | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | | M12 | 1.9 |
| KFD-HE 170 ²⁰⁾ KFD-HS 175 ²⁰⁾ | SWB-FR 160 | 0120402 | 1 | 12 | 30 | 38 | 55.5 | | 9 | 15 | | M8 | 1.2 |
| | SWB-FR 161 | 0120403 | 1 | 12 | 30 | 55.5 | 55 | | 9 | 15 | | M8 | 1.8 |
| | SWB-FR 162 | 0120409 | 2 | 12 | 35 | 40 | 72 | 3 | 12 | 15 | | M8 | 1.6 |
| DURO-NCGB 200 | SWB-FR 200 | 0120404 | 1 | 17 | 40 | 60 | 70 | | 12 | 19 | | M12 | 3.1 |
| | SWB-FR 250 | 0120405 | 1 | 17 | 40 | 60 | 90 | | 12 | 19 | | M12 | 4.1 |
| KFA 200 | 2 SWK 200 | 0126102 | 1 | 21 | 80 | 80 | 95 | | 22 | 28 | | M16 | 8.2 |
| KFD 200 KFD-AF 200 KFD-EC 200 KFD-HF 200 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | | M12 | 2.6 |
| | SWB-FR 200 | 0120404 | 1 | 17 | 40 | 60 | 70 | | 12 | 19 | | M12 | 3.1 |
| KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 ²⁰⁾ SPD 215 SPO 215 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | | M12 | 2.6 |
| | SWB-FR 315 | 0120406 | 1 | 21 | 50 | 60 | 105 | | 15 | 25 | | M16 | 6 |
| KFA 250 | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | | M20 | 9 |
| KFD 250 KFD-AF 250 KFD-EC 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| KFD-G 250 | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | | M20 | 9 |
| KFD-HF 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| KFD-HS 250 ²⁰⁾ | SWB-FR 250 | 0120405 | 1 | 17 | 40 | 60 | 90 | | 12 | 19 | | M12 | 4.1 |
| KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| KFL 250 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | | M12 | 2.6 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Spitzverzahnung 1/16" x 90°


Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| LVE 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| KFD-HE 254 ²⁰⁾ | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| SPD 300 | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| SPO 300 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| DURO-NCGB 315 | SWB-FR 315 | 0120406 | 1 | 21 | 50 | 60 | 105 | | 15 | 25 | | M16 | 6 |
| KFA 315 | 2 SWK 315 | 0126104 | 1 | 25.5 | 80 | 80 | 125 | | 28 | 35 | | M20 | 10.1 |
| KFD 315 KFD-AF 315 KFD-EC 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| KFD-G 315 | 2 SWK 315 | 0126104 | 1 | 25.5 | 80 | 80 | 125 | | 28 | 35 | | M20 | 10.1 |
| KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| KFD-HF 315 | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| KFD-HS 315-108 ²⁰⁾ KFD-HS 315-86 ²⁰⁾ | SWB-FR 315 | 0120406 | 1 | 21 | 50 | 60 | 105 | | 15 | 25 | | M16 | 6 |
| KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| KFD-G 400 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |
| KFL 400 | 2 SWK 400 | 0126105 | 1 | 25.5 | 80 | 80 | 150 | | 28 | 35 | | M20 | 12.7 |
| | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | | M16 | 5.6 |
| KFL 400 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | | M16 | 6.5 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.

 Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

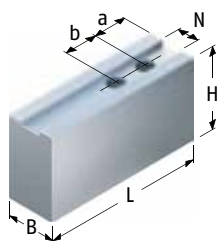
 For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

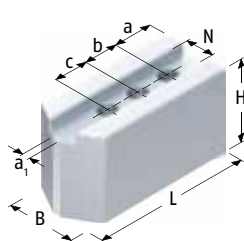
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



Ausführung 1 | Version 1



Ausführung 2 | Version 2

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD 110 KFD 125 KFD-HS 125 ²⁰⁾ | FR-AL 130 | 0120600 | 2 | 10 | 25 | 45 | 53 | 3 | 9 | 12 | 12 | M6 | 0.4 |
| LVE 125 KFD 130 | SWB-AL 130 | 0168104 | 1 | 12 | 30 | 40 | 55 | | 10 | 16 | | M8 | 0.45 |
| KFD-HS 130 ²⁰⁾ KFD 140 ²⁰⁾ KFD-HS 140 ²⁰⁾ | FR-AL 130 | 0120600 | 2 | 10 | 25 | 45 | 53 | 3 | 9 | 12 | 12 | M6 | 0.4 |
| KFH 140 | SWB-AL 130 | 0168104 | 1 | 12 | 30 | 40 | 55 | | 10 | 16 | | M8 | 0.45 |
| KFD 160 KFD-AF 160 KFD-HF 160 | SWB-AL 160 | 0168100 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 1.2 |
| KFD-HS 160 ²⁰⁾ | FR-AL 160 | 0120601 | 1 | 12 | 30 | 55 | 70 | | 9 | 15 | | M8 | 0.9 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | SWB-AL 160 | 0168100 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 1.2 |
| LVE 160 ²⁰⁾ | FR-AL 160 | 0120601 | 1 | 12 | 30 | 55 | 70 | | 9 | 15 | | M8 | 0.9 |
| | SWB-AL 130 | 0168104 | 1 | 12 | 30 | 40 | 55 | | 10 | 16 | | M8 | 0.45 |
| SPD 160 SPO 160 | SWB-AL 160 | 0168100 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | | M12 | 1.2 |
| KFD-HE 170 ²⁰⁾ KFD-HS 175 ²⁰⁾ | FR-AL 160 | 0120601 | 1 | 12 | 30 | 55 | 70 | | 9 | 15 | | M8 | 0.9 |
| DURO-NCGB 200 | FR-AL 200 | 0120602 | 1 | 17 | 40 | 60 | 90 | | 12 | 19 | | M12 | 1.6 |
| KFD 200 KFD-AF 200 KFD-EC 200 KFD-HF 200 | SWB-AL 200 | 0168101 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 1.5 |
| KFD-HS 200 | FR-AL 200 | 0120602 | 1 | 17 | 40 | 60 | 90 | | 12 | 19 | | M12 | 1.6 |
| KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 ²⁰⁾ SPD 215 SPO 215 | SWB-AL 200 | 0168101 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 1.5 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFD 250 KFD-AF 250 KFD-EC 250 KFD-HF 250 | SWB-AL 250 | 0168102 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 3 |
| KFD-HS 250 ²⁰⁾ | FR-AL 200 | 0120602 | 1 | 17 | 40 | 60 | 90 | | 12 | 19 | | M12 | 1.6 |
| KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | SWB-AL 250 | 0168102 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 3 |
| KFL 250 | SWB-AL 200 | 0168101 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | | M12 | 1.5 |
| LVE 250 KFD-HE 254 ²⁰⁾ SPD 300 SPO 300 KFD 315 KFD-AF 315 KFD-EC 315 KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ KFD-HF 315 KFD-HS 315-108 ²⁰⁾ KFD-HS 315-86 ²⁰⁾ KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 KFL 400 | SWB-AL 250 | 0168102 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | | M16 | 3 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



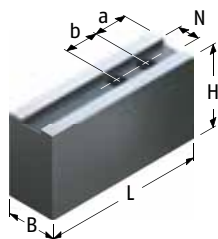
Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD 400 KFD-EC 400 KFD-HE 400 KFD-HF 400 KFD-HS 400 KFH 400 KFH-F 400 KFH-G 400 KFH-NC 400 LVE 400 KFD 500 KFD-HF 500 KFD-HS 500 KFH 500 KFH-F 500 KFH-G 500 KFH-NC 500 KFL 500 LVE 500 KFL 600 KFD 630 KFD-HF 630 LVE 630 KFD 800 LVE 800 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

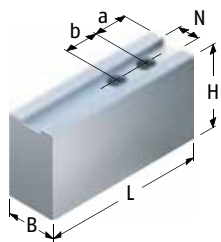
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|------|
| KFD 400 | | | | | | | | | | | |
| KFD-EC 400 | | | | | | | | | | | |
| KFD-HE 400 | | | | | | | | | | | |
| KFD-HF 400 | | | | | | | | | | | |
| KFD-HS 400 | | | | | | | | | | | |
| KFH 400 | | | | | | | | | | | |
| KFH-F 400 | | | | | | | | | | | |
| KFH-G 400 | | | | | | | | | | | |
| KFH-NC 400 | | | | | | | | | | | |
| LVE 400 | | | | | | | | | | | |
| KFD 500 | | | | | | | | | | | |
| KFD-HF 500 | | | | | | | | | | | |
| KFD-HS 500 | SWB-AL 400 | 0168103 | 25.5 | 60 | 100 | 155 | 30 | 35 | M20 | 6.4 | |
| KFH 500 | | | | | | | | | | | |
| KFH-F 500 | | | | | | | | | | | |
| KFH-G 500 | | | | | | | | | | | |
| KFH-NC 500 | | | | | | | | | | | |
| KFL 500 | | | | | | | | | | | |
| LVE 500 | | | | | | | | | | | |
| KFL 600 | | | | | | | | | | | |
| KFD 630 | | | | | | | | | | | |
| KFD-HF 630 | | | | | | | | | | | |
| LVE 630 | | | | | | | | | | | |
| KFD 800 | | | | | | | | | | | |
| LVE 800 | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

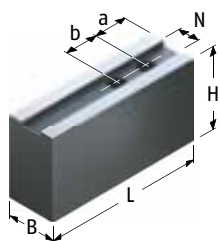
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

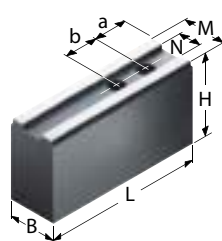
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

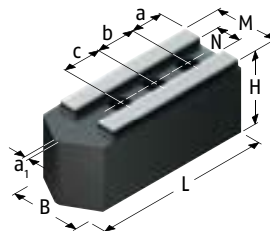
- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



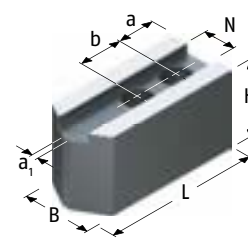
Ausführung 1 | Version 1



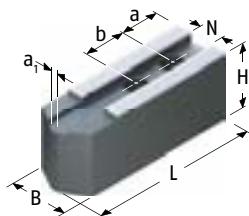
Ausführung 2 | Version 2



Ausführung 3 | Version 3



Ausführung 4 | Version 4



Ausführung 5 | Version 5

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung M Version | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------------------|----------------------------|---------|-------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFN 105 KFD-HE 130 ²⁰⁾ | KM-WB 46 | 0132103 | 4 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | | M8 | 1 |
| KFM 130 KFN 130 KFN 135 | SKN 130 | 0127101 | 1 | 11 | 26 | 30 | 55 | | 10 | 15 | | M8 | 0.8 |
| KFG 160 KFM 160 KFN 160 | SKN 160 | 0127102 | 2 | 27 | 11 | 30 | 55.5 | 67 | | 17 | 20 | M8 | 2.2 |
| | SKNL 160 | 0128100 | 3 | 27 | 11 | 35 | 40 | 77 | 3 | 10 | 18 | M8 | 1.8 |
| KFD-HE 170 ²⁰⁾ | KM-WB 61 | 0130128 | 1 | | 12 | 35 | 60 | 72 | | 15 | 20 | M10 | 2.9 |
| | KM-WB 66 | 0132138 | 1 | | 12 | 32 | 32 | 72 | | 15 | 20 | M10 | 1.4 |
| | KM-WBL 60 | 0132600 | 5 | | 12 | 32 | 32 | 82 | 4 | 15 | 20 | M10 | 1.5 |
| | KM-WBL 62 | 0132606 | 5 | | 12 | 35 | 60 | 82 | 4 | 15 | 20 | M10 | 3.6 |
| KFE 170 | SKN 160 | 0127102 | 2 | 27 | 11 | 30 | 55.5 | 67 | | 17 | 20 | M8 | 2.2 |
| | SKNL 160 | 0128100 | 3 | 27 | 11 | 35 | 40 | 77 | 3 | 10 | 18 | M8 | 1.8 |
| KFD-HE 210 ²⁰⁾ | KM-WB 84 | 0132126 | 1 | | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 |
| | KM-WB 85 | 0132127 | 1 | | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 |
| | KM-WB 88 | 0132139 | 1 | | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 |
| | KM-WBL 80 | 0132601 | 5 | | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 |
| | KM-WBL 81 | 0132607 | 5 | | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Spitzverzahnung 1,5 mm x 60°


Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | M | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|----|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFE 215 KFG 215 KFM 215 KFN 215 | SKN 215 | 0127103 | 2 | 34 | 14 | 35 | 60 | 89 | | 18 | 26 | | M10 | 3.6 |
| | SKNL 215 | 0128101 | 3 | 34 | 14 | 40 | 42 | 102 | 3 | 16 | 22 | 22 | M10 | 2.9 |
| KFN 250 | SKN 250/280 | 0127104 | 2 | 44 | 20 | 50 | 80 | 90 | | 19 | 26 | | M12 | 7.1 |
| | SKNL 250/280 | 0128102 | 3 | 44 | 20 | 50 | 50 | 130 | 3.5 | 19 | 29.5 | 29.5 | M12 | 5.8 |
| KFD-HE 254 ²⁰⁾ | KM-WB 102 | 0132104 | 1 | | 16 | 40 | 60 | 90 | | 15 | 30 | | M12 | 4.3 |
| | KM-WB 103 | 0132105 | 1 | | 16 | 40 | 60 | 110 | | 30 | 30 | | M12 | 5.2 |
| | KM-WB 104 | 0132106 | 1 | | 16 | 50 | 80 | 90 | | 15 | 30 | | M12 | 7.3 |
| | KM-WB 105 | 0132129 | 1 | | 16 | 40 | 80 | 110 | | 30 | 30 | | M12 | 7.2 |
| | KM-WB 110 | 0132140 | 1 | | 16 | 40 | 42 | 110 | | 30 | 30 | | M12 | 3.8 |
| | KM-WBL 100 | 0132602 | 5 | | 16 | 40 | 42 | 125 | 4 | 30 | 30 | | M12 | 4.1 |
| | KM-WBL 101 | 0132608 | 5 | | 16 | 40 | 100 | 125 | 4 | 30 | 30 | | M12 | 9.8 |
| KFE 280 KFG 280 KFM 280 KFN 280 | SKN 250/280 | 0127104 | 2 | 44 | 20 | 50 | 80 | 90 | | 19 | 26 | | M12 | 7.1 |
| | SKNL 250/280 | 0128102 | 3 | 44 | 20 | 50 | 50 | 130 | 3.5 | 19 | 29.5 | 29.5 | M12 | 5.8 |
| KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ | KM-WB 126 | 0132131 | 1 | | 21 | 50 | 60 | 129 | | 39 | 30 | | M16 | 7.8 |
| | KM-WB 128 | 0132154 | 1 | | 21 | 50 | 80 | 129 | | 39 | 30 | | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 5 | | 21 | 50 | 50 | 145 | 10 | 30 | 30 | | M16 | 6.9 |
| KFE 350 KFG 350 KFM 350 KFN 350 | SKN 350 | 0127107 | 2 | 49 | 21 | 50 | 80 | 120 | | 25 | 28 | | M16 | 9.1 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.

 Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

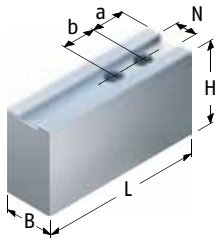
 For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|------|
| KFD-HE 170 ²⁰⁾ | KM-WBAL 70 | 0132521 | 12 | 35 | 50 | 72 | 15 | 20 | M10 | 0.9 | |
| KFD-HE 210 ²⁰⁾ | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 | |
| KFD-HE 254 ²⁰⁾ | KM-WBAL 100 | 0132523 | 16 | 40 | 60 | 110 | 25 | 30 | M12 | 1.9 | |
| KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 | |

20) Bitte überprüfen Sie die Anschlussmaße.

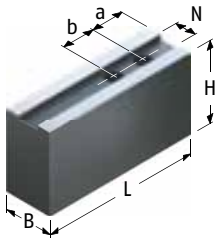
20) Please check the connecting dimensions.

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

Modul2 Verzahnung

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Modul2 Serration

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | M [μm] | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|----------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFD 1000 KFD 1200 KFD 1250 | SWB-M 800 | 0120452 | 75 | 30 | 80 | 110 | 220 | 45 | 50 | M24 | 38.4 |



Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



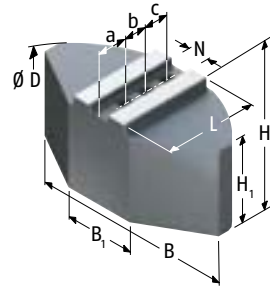
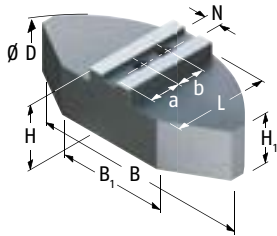
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1

Ausführung 2 | Version 2

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFD-HS 125 ²⁰⁾ KFD-HS 130 ²⁰⁾ KFD 140 ²⁰⁾ KFD-HS 140 ²⁰⁾ | FR-SM 130 | 0120700 | 2 | 10 | 100 | 35 | 130 | 40 | 35 | 50 | 15 | 12 | 12 | M6 | 3 |
| KFD 160 KFD-AF 160 KFD-HF 160 | SWB-SM 160 | 0169100 | 1 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | | M12 | 5.7 |
| KFD-HS 160 ²⁰⁾ | FR-SM 160 | 0120701 | 2 | 12 | 120 | 40 | 160 | 60 | 50 | 60 | 20 | 15 | 15 | M8 | 6 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | SWB-SM 160 | 0169100 | 1 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | | M12 | 5.7 |
| LVE 160 ²⁰⁾ | FR-SM 160 | 0120701 | 2 | 12 | 120 | 40 | 160 | 60 | 50 | 60 | 20 | 15 | 15 | M8 | 6 |
| SPD 160 SPO 160 | SWB-SM 160 | 0169100 | 1 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | | M12 | 5.7 |
| KFD-HE 170 ²⁰⁾ KFD-HS 175 ²⁰⁾ | FR-SM 160 | 0120701 | 2 | 12 | 120 | 40 | 160 | 60 | 50 | 60 | 20 | 15 | 15 | M8 | 6 |
| DURO-NCGB 200 | FR-SM 200 | 0120702 | 1 | 17 | 140 | 50 | 200 | 60 | 50 | 70 | 36 | 19 | | M12 | 8.4 |
| KFD 200 KFD-AF 200 KFD-EC 200 KFD-HF 200 | SWB-SM 200 | 0169101 | 1 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 1 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | | M12 | 10.8 |
| KFD-HS 200 | FR-SM 200 | 0120702 | 1 | 17 | 140 | 50 | 200 | 60 | 50 | 70 | 36 | 19 | | M12 | 8.4 |
| KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 ²⁰⁾ SPD 215 SPO 215 | SWB-SM 200 | 0169101 | 1 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 1 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | | M12 | 10.8 |
| KFD 250 KFD-AF 250 KFD-EC 250 KFD-HF 250 | SWB-SM 250/21 | 0169103 | 1 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | | M16 | 14 |
| | SWB-SM 251 | 0169107 | 1 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | | M16 | 21.7 |
| KFD-HS 250 ²⁰⁾ | FR-SM 200 | 0120702 | 1 | 17 | 140 | 50 | 200 | 60 | 50 | 70 | 36 | 19 | | M12 | 8.4 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Spitzverzahnung 1/16" x 90°


Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | SWB-SM 250/21 | 0169103 | 1 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | | M16 | 14 |
| | SWB-SM 251 | 0169107 | 1 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | | M16 | 21.7 |
| KFL 250 | SWB-SM 200 | 0169101 | 1 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 1 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | | M12 | 10.8 |
| LVE 250 KFD-HE 254 ²⁰⁾ | SWB-SM 250/21 | 0169103 | 1 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | | M16 | 14 |
| | SWB-SM 251 | 0169107 | 1 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | | M16 | 21.7 |
| SPD 300 SPO 300 KFD 315 KFD-AF 315 KFD-EC 315 KFD-HE 315- 121 ²⁰⁾ KFD-HE 315- 91 ²⁰⁾ KFD-HF 315 KFD-HS 315- 108 ²⁰⁾ KFD-HS 315- 86 ²⁰⁾ KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 KFL 400 | SWB-SM 315 | 0169104 | 1 | 21 | 240 | 120 | 320 | 70 | 55 | 110 | 60 | 28 | | M16 | 26.6 |

20) Bitte überprüfen Sie die Anschlussmaße.

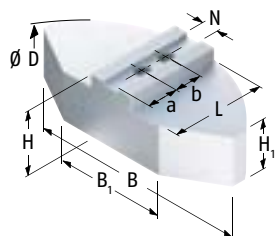
20) Please check the connecting dimensions.

 Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

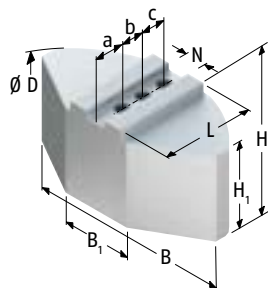
 For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD-HS 125 ²⁰⁾ KFD-HS 130 ²⁰⁾ KFD 140 ²⁰⁾ KFD-HS 140 ²⁰⁾ | FR-SA 130 | 0120650 | 2 | 10 | 100 | 35 | 130 | 48 | 43 | 47.4 | 15 | 12 | 12 | M6 | 1.3 |
| KFD 160 KFD-AF 160 KFD-HF 160 | SWB-SA 160 | 0170100 | 1 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | | M12 | 2.2 |
| KFD-HS 160 ²⁰⁾ | FR-SA 160 | 0120651 | 2 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 18 | 15 | 15 | M8 | 2.1 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | SWB-SA 160 | 0170100 | 1 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | | M12 | 2.2 |
| LVE 160 ²⁰⁾ | FR-SA 160 | 0120651 | 2 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 18 | 15 | 15 | M8 | 2.1 |
| SPD 160 SPO 160 | SWB-SA 160 | 0170100 | 1 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | | M12 | 2.2 |
| KFD-HE 170 ²⁰⁾ KFD-HS 175 ²⁰⁾ | FR-SA 160 | 0120651 | 2 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 18 | 15 | 15 | M8 | 2.1 |
| DURO-NCGB 200 | FR-SA 200 | 0120652 | 1 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 40 | 19 | | M12 | 3.4 |
| KFD 200 KFD-AF 200 KFD-EC 200 KFD-HF 200 | SWB-SA 200 | 0170101 | 1 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 1 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | | M12 | 4.2 |
| KFD-HS 200 | FR-SA 200 | 0120652 | 1 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 40 | 19 | | M12 | 3.4 |
| KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 ²⁰⁾ SPD 215 SPO 215 | SWB-SA 200 | 0170101 | 1 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 1 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | | M12 | 4.2 |
| KFD 250 KFD-AF 250 KFD-EC 250 KFD-HF 250 | SWB-SA 250/21 | 0170103 | 1 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 1 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | | M16 | 8.3 |
| KFD-HS 250 ²⁰⁾ | FR-SA 200 | 0120652 | 1 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 40 | 19 | | M12 | 3.4 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Spitzverzahnung 1/16" x 90°


Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | SWB-SA 250/21 | 0170103 | 1 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 1 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | | M16 | 8.3 |
| KFL 250 | SWB-SA 200 | 0170101 | 1 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 1 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | | M12 | 4.2 |
| LVE 250 KFD-HE 254 ²⁰⁾ | SWB-SA 250/21 | 0170103 | 1 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 1 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | | M16 | 8.3 |
| SPD 300 SPO 300 KFD 315 KFD-AF 315 KFD-EC 315 KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ KFD-HF 315 KFD-HS 315-108 ²⁰⁾ KFD-HS 315-86 ²⁰⁾ KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 KFL 400 | SWB-SA 315 | 0170104 | 1 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 70 | 28 | | M16 | 12 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.

 Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

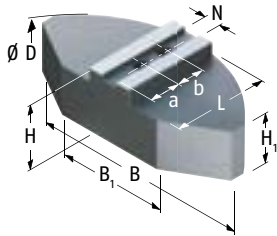
 For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD 400 | | | | | | | | | | | | | |
| KFD-EC 400 | | | | | | | | | | | | | |
| KFD-HE 400 | | | | | | | | | | | | | |
| KFD-HF 400 | | | | | | | | | | | | | |
| KFD-HS 400 | | | | | | | | | | | | | |
| KFH 400 | | | | | | | | | | | | | |
| KFH-F 400 | | | | | | | | | | | | | |
| KFH-G 400 | | | | | | | | | | | | | |
| KFH-NC 400 | | | | | | | | | | | | | |
| LVE 400 | SWB-SM 400 | 0169105 | 25.5 | 330 | 150 | 440 | 85 | 55 | 155 | 85 | 35 | M20 | 55.2 |
| KFD 500 | | | | | | | | | | | | | |
| KFD-HF 500 | | | | | | | | | | | | | |
| KFD-HS 500 | | | | | | | | | | | | | |
| KFH 500 | | | | | | | | | | | | | |
| KFH-F 500 | | | | | | | | | | | | | |
| KFH-G 500 | | | | | | | | | | | | | |
| KFH-NC 500 | | | | | | | | | | | | | |
| KFL 500 | | | | | | | | | | | | | |
| LVE 500 | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

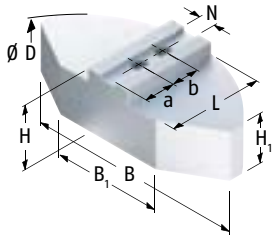
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



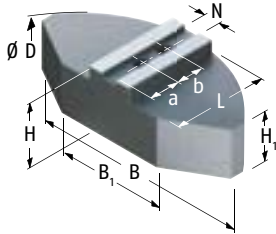
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFD 400 | | | | | | | | | | | | | |
| KFD-EC 400 | | | | | | | | | | | | | |
| KFD-HE 400 | | | | | | | | | | | | | |
| KFD-HF 400 | | | | | | | | | | | | | |
| KFD-HS 400 | | | | | | | | | | | | | |
| KFH 400 | | | | | | | | | | | | | |
| KFH-F 400 | | | | | | | | | | | | | |
| KFH-G 400 | | | | | | | | | | | | | |
| KFH-NC 400 | | | | | | | | | | | | | |
| LVE 400 | SWB-SA 400 | 0170105 | 25.5 | 330 | 150 | 440 | 98 | 68 | 160 | 85 | 35 | M20 | 26.2 |
| KFD 500 | | | | | | | | | | | | | |
| KFD-HF 500 | | | | | | | | | | | | | |
| KFD-HS 500 | | | | | | | | | | | | | |
| KFH 500 | | | | | | | | | | | | | |
| KFH-F 500 | | | | | | | | | | | | | |
| KFH-G 500 | | | | | | | | | | | | | |
| KFH-NC 500 | | | | | | | | | | | | | |
| KFL 500 | | | | | | | | | | | | | |
| LVE 500 | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD-HE 170 ²⁰⁾ | KMWB-SM 165 | 0132700 | 12 | 119 | 50 | 160 | 50 | 40 | 60 | 25 | 20 | M10 | 4.9 |
| KFD-HE 210 ²⁰⁾ | KMWB-SM 210 | 0132701 | 14 | 140 | 70 | 200 | 60 | 50 | 70 | 30 | 25 | M12 | 8.8 |
| | KMWB-SM 211 | 0132705 | 14 | 140 | 70 | 200 | 80 | 70 | 70 | 30 | 25 | M12 | 11.7 |
| KFD-HE 254 ²⁰⁾ | KMWB-SM 250 | 0132702 | 16 | 180 | 100 | 250 | 60 | 45 | 80 | 30 | 30 | M12 | 12 |
| | KMWB-SM 251 | 0132706 | 16 | 180 | 100 | 250 | 80 | 70 | 80 | 30 | 30 | M12 | 18.5 |
| KFD-HE 315- 121 ²⁰⁾ KFD-HE 315- 91 ²⁰⁾ | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

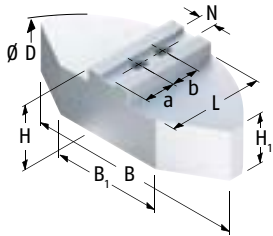
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD-HE 170 ²⁰⁾ | KMWB-SA 165 | 0132800 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 2.2 |
| KFD-HE 210 ²⁰⁾ | KMWB-SA 210 | 0132801 | 14 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 25 | M12 | 3.3 |
| | KMWB-SA 211 | 0132805 | 14 | 140 | 50 | 200 | 80 | 70 | 72.5 | 35 | 25 | M12 | 4.5 |
| KFD-HE 254 ²⁰⁾ | KMWB-SA 250 | 0132802 | 16 | 180 | 70 | 250 | 58 | 43 | 87.5 | 40 | 30 | M12 | 4.7 |
| | KMWB-SA 251 | 0132806 | 16 | 180 | 70 | 250 | 80 | 65 | 87.5 | 40 | 30 | M12 | 6.6 |
| KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



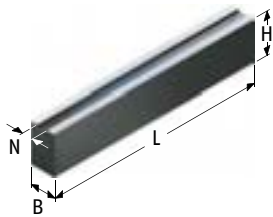
Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter „Accessories“.

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KFD 110 KFD-HS 110 KFD 125 KFD-HS 125 | SBM-ST 100 | 0112150 | 10 | 35 | 60 | 420 | 6.7 |
| LVE 125 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| KFD 130 | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| KFD-HE 130 KFD-HS 130 KFD 140 KFD-HE 140 KFD-HS 140 | SBM-ST 100 | 0112150 | 10 | 35 | 60 | 420 | 6.7 |
| KFH 140 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| KFD 160 KFD-AF 160 KFD-HF 160 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| KFD-HS 160 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| LVE 160 KFD-HE 170 KFD-HS 175 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| DURO-NCGB 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KFA 200 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KFD 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| KFD-AF 200 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| KFD-EC 200 | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KFD-G 200 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KFD-HF 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| KFD-HS 200 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| KFH 200 | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KFH-F 200 | | | | | | | |
| KFH-G 200 | | | | | | | |
| KFH-NC 200 | | | | | | | |
| LVE 200 | | | | | | | |
| KFD-HE 210 | | | | | | | |
| DURO-NCGB 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| KFD 250 | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| KFD-AF 250 | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| KFD-EC 250 | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KFD-HF 250 | | | | | | | |
| KFD-HS 250 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KFH 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KFL 250 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| LVE 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| KFD-HE 254 | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| DURO-NCGB 315 | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| KFD 315 | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KFD-AF 315 | | | | | | | |
| KFD-EC 315 | | | | | | | |
| KFD-HE 315-121 | | | | | | | |
| KFD-HE 315-91 | | | | | | | |
| KFD-HF 315 | | | | | | | |
| KFD-HS 315-108 | | | | | | | |
| KFD-HS 315-86 | | | | | | | |
| KFH 315 | | | | | | | |
| KFH-F 315 | | | | | | | |
| KFH-G 315 | | | | | | | |
| KFH-NC 315 | | | | | | | |
| KFL 315 | | | | | | | |
| LVE 315 | | | | | | | |
| KFL 400 | | | | | | | |



Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



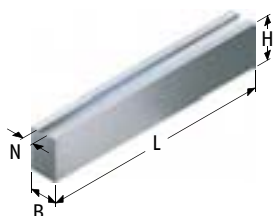
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| LVE 125 KFD 130 KFH 140 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| KFD 160 KFD-AF 160 KFD-HF 160 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KFD-HS 160 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| LVE 160 KFD-HE 170 KFD-HS 175 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| DURO-NCGB 200 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KFA 200 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KFD 200 KFD-AF 200 KFD-EC 200 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KFD-G 200 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KFD-HF 200 KFD-HS 200 KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| DURO-NCGB 250 KFD 250 KFD-AF 250 KFD-EC 250 KFD-HF 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KFD-HS 250 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KFL 250 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| LVE 250 KFD-HE 254 DURO-NCGB 315 KFD 315 KFD-AF 315 KFD-EC 315 KFD-HE 315-121 KFD-HE 315-91 KFD-HF 315 KFD-HS 315-108 KFD-HS 315-86 KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 KFL 400 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |



Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



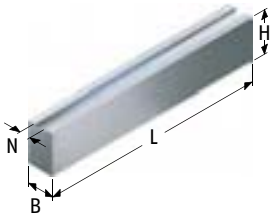
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| DURO-NCGB 400 | | | | | | | |
| KFD 400 | | | | | | | |
| KFD-EC 400 | | | | | | | |
| KFD-HE 400 | | | | | | | |
| KFD-HF 400 | | | | | | | |
| KFD-HS 400 | | | | | | | |
| KFH 400 | | | | | | | |
| KFH-F 400 | | | | | | | |
| KFH-G 400 | | | | | | | |
| KFH-NC 400 | | | | | | | |
| DURO-NCGB 500 | | | | | | | |
| KFD-HF 500 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |
| KFD-HS 500 | | | | | | | |
| KFH 500 | | | | | | | |
| KFH-F 500 | | | | | | | |
| KFH-G 500 | | | | | | | |
| KFH-NC 500 | | | | | | | |
| KFL 500 | | | | | | | |
| KFL 600 | | | | | | | |
| DURO-NCGB 630 | | | | | | | |
| KFD 630 | | | | | | | |
| KFD-HF 630 | | | | | | | |
| KFD 800 | | | | | | | |



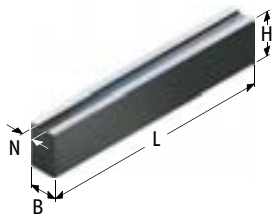
Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KFD-HE 130 | JBM-ST 100 | 0114500 | 10 | 32 | 32 | 420 | 3.1 |
| KFD-HE 170 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| KFD-HE 210 | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 |
| KFD-HE 254 | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 161 | 0114531 | 16 | 40 | 120 | 420 | 15.4 |
| | JBM-ST 162 | 0114532 | 16 | 60 | 60 | 420 | 11.4 |
| KFD-HE 315-121 | JBM-ST 210 | 0114540 | 21 | 50 | 80 | 420 | 12.7 |
| KFD-HE 315-91 | JBM-ST 211 | 0114541 | 21 | 60 | 120 | 420 | 23.2 |

Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

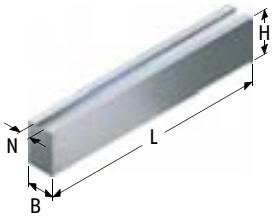
For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück m/piece [kg] |
|---------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|----------------------------|
| KFD-HE 170 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| KFD-HE 210 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| KFD-HE 254 | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| KFD-HE 315-121 KFD-HE 315-91 | JBM-STA 210 | 0114542 | 21 | 50 | 80 | 420 | 4.6 |



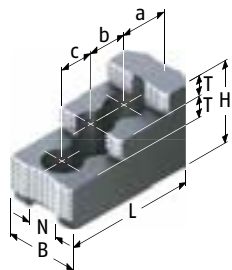
Passende Nutensteine finden Sie ab Seite 466.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 466.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 1/16" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|--------------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFD 110 KFD 125 KFD-HS 125 ²⁰⁾ | SHB-FR 130 | 0121109 | 10 | 26 | 37.5 | 58 | 10 | 11.6 | 12 | 12 | M6 | 0.4 |
| LVE 125 KFD 130 | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| KFD-HS 130 ²⁰⁾ KFD 140 ²⁰⁾ KFD-HS 140 ²⁰⁾ | SHB-FR 130 | 0121109 | 10 | 26 | 37.5 | 58 | 10 | 11.6 | 12 | 12 | M6 | 0.4 |
| KFH 140 | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| KFD 160 KFD-AF 160 KFD-HF 160 | SHB 175 SHB 200 | 0121103 0121104 | 17 | 35 40 | 44 49 | 64.7 72.5 | 10 12 | 28 18 | 19 19 | | M12 | 1.2 1.6 |
| KFD-HS 160 ²⁰⁾ | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | SHB 175 SHB 200 | 0121103 0121104 | 17 | 35 40 | 44 49 | 64.7 72.5 | 10 12 | 28 18 | 19 19 | | M12 | 1.2 1.6 |
| LVE 160 ²⁰⁾ | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| SPD 160 SPO 160 | SHB 175 SHB 200 | 0121103 0121104 | 17 | 35 40 | 44 49 | 64.7 72.5 | 10 12 | 28 18 | 19 19 | | M12 | 1.2 1.6 |
| KFD-HE 170 ²⁰⁾ KFD-HS 175 ²⁰⁾ | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| DURO-NCGB 200 KFD 200 KFD-AF 200 KFD-EC 200 KFD-HF 200 KFD-HS 200 KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 ²⁰⁾ SPD 215 SPO 215 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |

Passende Nutensteine finden Sie ab Seite 466.

For suitable T-nuts see page 466.

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| DURO-NCGB 250 KFD 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| KFD-AF 250 | | | | | | | | | | | | |
| KFD-EC 250 | | | | | | | | | | | | |
| KFD-HF 250 | | | | | | | | | | | | |
| KFD-HS 250 ²⁰⁾ | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| KFL 250 | | | | | | | | | | | | |
| LVE 250 KFD-HE 254 ²⁰⁾ | | | | | | | | | | | | |
| SPD 300 SPO 300 | | | | | | | | | | | | |
| DURO-NCGB 315 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| KFD 315 KFD-AF 315 KFD-EC 315 KFD-HE 315- 121 ²⁰⁾ KFD-HE 315- 91 ²⁰⁾ KFD-HF 315 KFD-HS 315- 108 ²⁰⁾ KFD-HS 315- 86 ²⁰⁾ KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 KFL 400 | SHB 315 | 0121111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



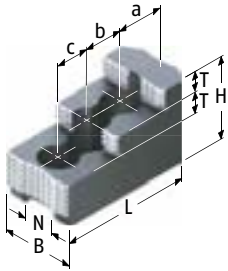
Passende Nutensteine finden Sie ab Seite 466.



For suitable T-nuts see page 466.

Spitzverzahnung 3/32" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

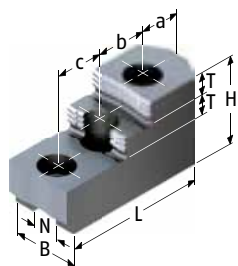
| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| DURO-NCGB 400 | | | | | | | | | | | | |
| KFD 400 | | | | | | | | | | | | |
| KFD-EC 400 | | | | | | | | | | | | |
| KFD-HE 400 | | | | | | | | | | | | |
| KFD-HF 400 | | | | | | | | | | | | |
| KFD-HS 400 | | | | | | | | | | | | |
| KFH 400 | | | | | | | | | | | | |
| KFH-F 400 | | | | | | | | | | | | |
| KFH-G 400 | | | | | | | | | | | | |
| KFH-NC 400 | | | | | | | | | | | | |
| LVE 400 | | | | | | | | | | | | |
| DURO-NCGB 500 | | | | | | | | | | | | |
| KFD 500 | | | | | | | | | | | | |
| KFD-HF 500 | SHB 400 | 0121107 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| KFD-HS 500 | | | | | | | | | | | | |
| KFH 500 | | | | | | | | | | | | |
| KFH-F 500 | | | | | | | | | | | | |
| KFH-G 500 | | | | | | | | | | | | |
| KFH-NC 500 | | | | | | | | | | | | |
| KFL 500 | | | | | | | | | | | | |
| LVE 500 | | | | | | | | | | | | |
| KFL 600 | | | | | | | | | | | | |
| DURO-NCGB 630 | | | | | | | | | | | | |
| KFD 630 | | | | | | | | | | | | |
| KFD-HF 630 | | | | | | | | | | | | |
| LVE 630 | | | | | | | | | | | | |
| KFD 800 | | | | | | | | | | | | |
| LVE 800 | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 466.

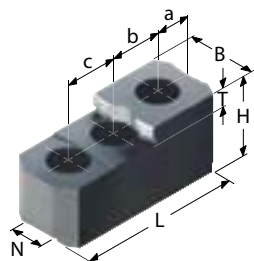
For suitable T-nuts see page 466.

Spitzverzahnung 1,5 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Fine serration 1,5 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFM 130 KFG 160 KFM 160 KFN 160 | HSKN 160 | 0129100 | 1 | 11 | 26 | 37.5 | 62 | 10 | 17.5 | 16.5 | 16.5 | M8 | 0.65 |
| KFD-HE 170 ²⁰⁾ | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| KFE 170 | HSKN 160 | 0129100 | 1 | 11 | 26 | 37.5 | 62 | 10 | 17.5 | 16.5 | 16.5 | M8 | 0.65 |
| KFD-HE 210 ²⁰⁾ | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| KFE 215 KFG 215 KFM 215 KFN 215 | HSKN 215* | 0129101 | 1 | 14 | 36 | 52.5 | 81 | 12 | 25 | 21 | 21 | M10 | 1.85 |
| KFN 250 | HSKN 250/280 | 0129102 | 1 | 20 | 44.5 | 54 | 96 | 12 | 30 | 26 | 26 | M12 | 2.8 |
| KFD-HE 254 ²⁰⁾ | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| KFE 280 KFG 280 KFM 280 KFN 280 | HSKN 250/280 | 0129102 | 1 | 20 | 44.5 | 54 | 96 | 12 | 30 | 26 | 26 | M12 | 2.8 |
| KFD-HE 315-121 ²⁰⁾ | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| KFD-HE 315-91 ²⁰⁾ | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |

* An der Nutseite abgesetzt auf 34 mm

7) Gewichtserleichterte Ausführung für max. Drehzahlen.

20) Bitte überprüfen Sie die Anschlussmaße.

* Stepped at the slot to 34 mm

7) Reduced weight for higher RPM's.

20) Please check the connecting dimensions.



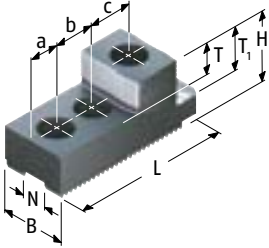
Passende Nutensteine finden Sie ab Seite 466.



For suitable T-nuts see page 466.

Modul2 Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Modul2 Serration

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | T1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|----------------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFD 1000 KFD 1200 KFD 1250 | SHB-M 800 | 0121160 | 30 | 78 | 87 | 190 | 37 | 52 | 32 | 50 | 50 | M24 | 15 |



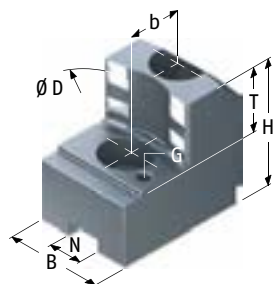
Passende Nutensteine finden Sie ab Seite 466.



For suitable T-nuts see page 466.

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD 160 | 28 – 54 | 169 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 45 – 73 | 169 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 68 – 96 | 169 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 85 – 114 | 174 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 107 – 136 | 194 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KFD-HF 160 | 30 – 54 | 169 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 48 – 73 | 169 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 70 – 96 | 169 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 88 – 114 | 174 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 110 – 136 | 194 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KFD-HS 160 ²⁰⁾ | 29 – 72 | 180 | SZA 16-10 | 0122250 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 61 – 101 | 178 | SZA 16-11 | 0122251 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 79 – 121 | 179 | SZA 16-12 | 0122252 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 0.9 |
| KFH 160 | 36 – 54 | 169 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 55 – 73 | 169 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 77 – 96 | 169 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 95 – 114 | 174 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 117 – 136 | 194 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| LVE 160 ²⁰⁾ | 33 – 83 | 191 | SZA 16-10 | 0122250 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 61 – 112 | 189 | SZA 16-11 | 0122251 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 81 – 132 | 190 | SZA 16-12 | 0122252 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 0.9 |
| KFD-HE 170 ²⁰⁾ | 35 – 93 | 201 | SZA 16-10 | 0122250 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 64 – 122 | 199 | SZA 16-11 | 0122251 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 83 – 142 | 200 | SZA 16-12 | 0122252 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 0.9 |
| KFD-HS 175 ²⁰⁾ | 40 – 87 | 195 | SZA 16-10 | 0122250 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 69 – 115 | 193 | SZA 16-11 | 0122251 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 1 |
| | 89 – 136 | 194 | SZA 16-12 | 0122252 | 12 | 32 | 40 | 20 | M5 | 15 | M8 | 0.9 |



Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| DURO-NCGB 200 | 34 - 152 | 269 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 51 - 172 | 269 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 92 - 212 | 274 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 114 - 234 | 294 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KFD 200 | 29 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 47 - 87 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 76 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 103 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 133 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFD-EC 200 | 30 - 50 | 200 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 57 - 78 | 200 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 86 - 107 | 200 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 113 - 134 | 200 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 143 - 164 | 224 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFD-HF 200 | 29 - 59 | 207 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 45 - 86 | 207 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 73 - 116 | 207 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 100 - 143 | 209 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 130 - 173 | 233 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFD-HS 200 | 41 - 92 | 208 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 60 - 111 | 208 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 100 - 152 | 213 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 122 - 174 | 233 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KFH 200 | 31 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 58 - 87 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 87 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 114 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 144 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFH-F 200 | 29 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 87 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFH-G 200 | 29 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 87 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |

 Passende Nutensteine finden Sie ab Seite 466.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 466.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFH-NC 200 | 29 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 87 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| LVE 200 | 35 - 74 | 223 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 62 - 102 | 223 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 91 - 131 | 223 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 118 - 159 | 225 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 148 - 189 | 249 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFD-HE 210 ²⁰⁾ | 29 - 70 | 218 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 48 - 97 | 218 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 77 - 127 | 218 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 104 - 154 | 220 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 134 - 184 | 244 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFD 250 | 42 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 81 - 260 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 131 - 182 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 177 - 228 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFD-EC 250 | 51 - 80 | 250 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 91 - 120 | 250 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 140 - 170 | 250 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 187 - 217 | 287 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFD-HF 250 | 45 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 84 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 133 - 182 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 180 - 228 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFD-HS 250 ²⁰⁾ | 33 - 103 | 275 | SZA 25-6 | 0138176 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 2.3 |
| | 54 - 134 | 256 | SZA 25-7 | 0138177 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.7 |
| | 110 - 193 | 263 | SZA 25-8 | 0138178 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 1.8 |
| | 145 - 228 | 298 | SZA 25-9 | 0138179 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.4 |
| KFH 250 | 45 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 84 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 134 - 181 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 180 - 229 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFH-F 250 | 47 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 86 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 181 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 182 - 228 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |



Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.





For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFH-G 250 | 47 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 86 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 181 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 182 - 228 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFH-NC 250 | 47 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 86 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 181 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 182 - 228 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFL 250 | 37 - 105 | 277 | SZA 25-6 | 0138176 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 2.3 |
| | 67 - 135 | 258 | SZA 25-7 | 0138177 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.7 |
| | 125 - 194 | 264 | SZA 25-8 | 0138178 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 1.8 |
| | 160 - 229 | 299 | SZA 25-9 | 0138179 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.4 |
| LVE 250 | 55 - 107 | 276 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 94 - 147 | 276 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 143 - 197 | 278 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 190 - 244 | 315 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFD-HE 254 ²⁰⁾ | 47 - 96 | 264 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 86 - 136 | 264 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 185 | 266 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 182 - 232 | 303 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFD 315 | 44 - 132 | 333 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 88 - 190 | 334 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 152 - 256 | 332 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 216 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFD-EC 315 | 44 - 122 | 322 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 98 - 179 | 323 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 163 - 245 | 321 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 227 - 309 | 381 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFD-HE 315-121 ²⁰⁾ | 69 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 127 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 192 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 256 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFD-HE 315-91 ²⁰⁾ | 44 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 96 - 190 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 160 - 256 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 224 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFD-HF 315 | 44 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 97 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 161 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 225 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |

 Passende Nutensteine finden Sie ab Seite 466.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 466.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD-HS 315-108 ²⁰⁾ | 44 - 132 | 333 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 91 - 189 | 334 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 155 - 255 | 332 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 218 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFD-HS 315-86 ²⁰⁾ | 44 - 132 | 333 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 70 - 189 | 334 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 133 - 256 | 332 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 197 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFH 315 | 45 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 103 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 168 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 232 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFH-F 315 | 48 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 106 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 171 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 235 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFH-G 315 | 48 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 106 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 171 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 235 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFH-NC 315 | 48 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 106 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 171 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 235 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFL 315 | 44 - 133 | 334 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 91 - 191 | 335 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 155 - 257 | 333 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 218 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| LVE 315 | 53 - 149 | 350 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 111 - 207 | 351 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 176 - 273 | 349 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 240 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFL 400 | 44 - 218 | 419 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 91 - 275 | 420 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 219 - 400 | 473 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |

20) Bitte überprüfen Sie die Anschlussmaße.

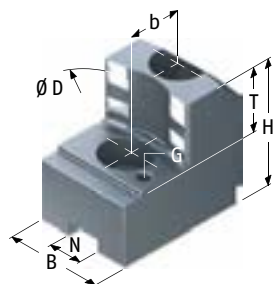
20) Please check the connecting dimensions.

 Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD 400 | 54 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 127 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 209 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 280 - 396 | 489 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFD-EC 400 | 62 - 154 | 418 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 136 - 229 | 454 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 219 - 314 | 434 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 289 - 384 | 479 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFD-HE 400 | 74 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 148 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 231 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 302 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFD-HF 400 | 65 - 165 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 139 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 222 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 292 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFD-HS 400 | 68 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 143 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 226 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 296 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFH 400 | 61 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 135 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 218 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |

Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFH-F 400 | 61 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 135 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 218 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFH-G 400 | 61 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 135 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 218 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFH-NC 400 | 61 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 135 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 218 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFD 500 | 71 - 232 | 577 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 127 - 332 | 558 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 209 - 416 | 538 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 279 - 487 | 582 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 359 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFD-HF 500 | 85 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 183 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 267 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 338 - 496 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 417 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFD-HS 500 | 73 - 240 | 586 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 143 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 226 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 296 - 495 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 376 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFH 500 | 73 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 164 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 318 - 496 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 397 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFH-F 500 | 73 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 164 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 318 - 495 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 397 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |



Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.




For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

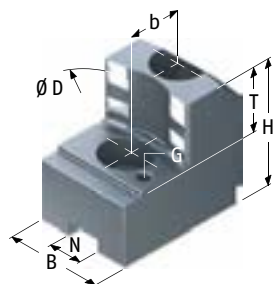
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFH-G 500 | 73 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 164 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 318 - 495 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 397 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFH-NC 500 | 73 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 164 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 247 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 318 - 495 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 397 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFL 500 | 73 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 134 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 217 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 288 - 495 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 367 - 520 | 619 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFL 600 | 73 - 339 | 685 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 134 - 440 | 666 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 217 - 524 | 646 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 287 - 595 | 690 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 367 - 620 | 719 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |
| KFD-HF 630 | 90 - 369 | 715 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 188 - 469 | 696 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 272 - 553 | 676 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 343 - 625 | 720 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| | 422 - 650 | 749 | SZA 40-16 | 0138305 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11 |

 Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|-----------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD-HE 170 ²⁰⁾ | 34 - 60 | 180 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 49 - 75 | 180 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 65 - 92 | 180 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 79 - 105 | 180 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 96 - 121 | 180 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| KFD-HE 210 ²⁰⁾ | 30 - 71 | 218 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 55 - 99 | 218 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 85 - 129 | 218 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 115 - 160 | 218 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 137 - 182 | 238 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| KFD-HE 254 ²⁰⁾ | 38 - 91 | 268 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 79 - 133 | 268 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 123 - 177 | 272 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 168 - 223 | 288 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 203 - 254 | 316 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| KFD-HE 315- 121 ²⁰⁾ | 71 - 132 | 343 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 131 - 191 | 357 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 198 - 258 | 348 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 262 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| KFD-HE 315- 91 ²⁰⁾ | 42 - 131 | 343 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 100 - 191 | 357 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 166 - 258 | 348 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 229 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



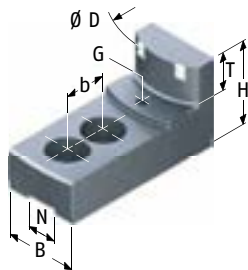
Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD 200 | 58 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 82 - 128 | 212 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 113 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFD-EC 200 | 63 - 88 | 201 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 91 - 117 | 201 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 123 - 148 | 201 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFD-HF 200 | 59 - 93 | 206 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 79 - 122 | 206 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 110 - 153 | 206 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFD-HS 200 | 59 - 93 | 206 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 77 - 121 | 206 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 108 - 153 | 206 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFH 200 | 64 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 93 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 124 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFH-F 200 | 62 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 90 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 121 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFH-G 200 | 62 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 90 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 121 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFH-NC 200 | 62 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 90 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 121 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| LVE 200 | 69 - 109 | 222 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 97 - 137 | 222 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 128 - 168 | 222 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |

Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD-HE 210 ²⁰⁾ | 58 - 106 | 219 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 83 - 134 | 219 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 114 - 166 | 219 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFD 250 | 76 - 123 | 269 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 111 - 165 | 271 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 156 - 211 | 271 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFD-EC 250 | 80 - 112 | 257 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 120 - 153 | 259 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 166 - 199 | 259 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFD-HF 250 | 78 - 123 | 269 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 114 - 165 | 271 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 159 - 211 | 271 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFD-HS 250 ²⁰⁾ | 59 - 136 | 274 | SZI 25-17 | 0123180 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.9 |
| | 79 - 161 | 260 | SZI 25-18 | 0123181 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.2 |
| | 142 - 225 | 270 | SZI 25-19 | 0123182 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2 |
| KFH 250 | 78 - 124 | 269 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 114 - 165 | 271 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 159 - 211 | 271 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFH-F 250 | 78 - 123 | 269 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 165 | 271 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 161 - 211 | 271 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFH-G 250 | 78 - 123 | 269 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 165 | 271 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 161 - 211 | 271 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFH-NC 250 | 78 - 123 | 269 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 165 | 271 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 161 - 211 | 271 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFL 250 | 69 - 142 | 279 | SZI 25-17 | 0123180 | 17 | 35 | 55 | 25 | M6 | 22 | M12 | 1.9 |
| | 94 - 166 | 265 | SZI 25-18 | 0123181 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2.2 |
| | 157 - 230 | 275 | SZI 25-19 | 0123182 | 17 | 40 | 55 | 25 | M6 | 22 | M12 | 2 |
| LVE 250 | 83 - 135 | 281 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 124 - 177 | 283 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 169 - 223 | 283 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFD-HE 254 ²⁰⁾ | 78 - 127 | 273 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 169 | 275 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 161 - 215 | 275 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFD 315 | 78 - 157 | 343 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 211 | 335 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 178 - 285 | 335 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |



Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


Spitzverzahnung 1/16" x 90°


Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|-----------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD-EC 315 | 78 - 142 | 328 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 196 | 320 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 189 - 270 | 320 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFD-HE 315- 121 ²⁰⁾ | 91 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 143 - 212 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 217 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFD-HE 315- 91 ²⁰⁾ | 78 - 157 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 211 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 186 - 285 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFD-HF 315 | 78 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 211 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 188 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFD-HS 315- 108 ²⁰⁾ | 78 - 153 | 339 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 206 | 331 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 181 - 281 | 331 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFD-HS 315- 86 ²⁰⁾ | 78 - 153 | 339 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 206 | 331 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 281 | 331 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFH 315 | 78 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 212 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 194 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFH-F 315 | 78 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 212 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 197 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFH-G 315 | 78 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 212 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 197 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFH-NC 315 | 78 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 124 - 212 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 197 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFL 315 | 78 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 211 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 181 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| LVE 315 | 78 - 170 | 356 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 127 - 223 | 348 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 201 - 298 | 348 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFL 400 | 78 - 242 | 429 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 296 | 421 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 181 - 370 | 421 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |

20) Bitte überprüfen Sie die Anschlussmaße.

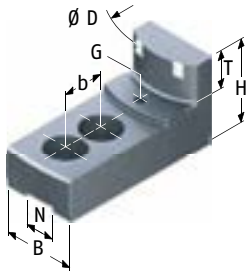
20) Please check the connecting dimensions.

 Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| KFD 400 | 100 - 202 | 429 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 159 - 282 | 457 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 236 - 361 | 457 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 299 - 424 | 465 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD-EC 400 | 100 - 180 | 407 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 168 - 260 | 435 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 245 - 339 | 435 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 309 - 400 | 440 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD-HE 400 | 100 - 192 | 419 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 180 - 272 | 447 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 258 - 351 | 447 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 321 - 415 | 455 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD-HF 400 | 100 - 202 | 429 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 171 - 282 | 457 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 248 - 361 | 457 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 311 - 424 | 465 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD-HS 400 | 100 - 193 | 420 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 175 - 273 | 448 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 252 - 352 | 448 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 315 - 416 | 456 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFH 400 | 100 - 202 | 429 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 167 - 282 | 457 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 - 361 | 457 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 - 425 | 465 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |



Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFH-F 400 | 100 - 202 | 429 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 167 - 282 | 457 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 - 362 | 457 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 - 425 | 465 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFH-G 400 | 100 - 202 | 429 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 167 - 282 | 457 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 - 361 | 457 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 - 425 | 465 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFH-NC 400 | 100 - 202 | 429 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 167 - 282 | 457 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 - 361 | 457 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 - 425 | 465 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD 500 | 125 - 290 | 557 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 159 - 374 | 549 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 236 - 453 | 549 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 299 - 516 | 557 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD-HF 500 | 133 - 298 | 565 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 215 - 381 | 557 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 293 - 461 | 557 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 357 - 524 | 565 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD-HS 500 | 125 - 289 | 556 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 175 - 372 | 548 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 252 - 452 | 548 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 315 - 515 | 556 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFH 500 | 125 - 298 | 565 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 195 - 381 | 557 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 273 - 461 | 557 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 337 - 524 | 565 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFH-F 500 | 125 - 298 | 565 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 195 - 381 | 557 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 273 - 461 | 557 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 336 - 525 | 565 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFH-G 500 | 125 - 298 | 565 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 195 - 381 | 557 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 273 - 461 | 557 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 337 - 525 | 565 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFH-NC 500 | 125 - 298 | 565 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 195 - 381 | 557 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 273 - 461 | 557 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 337 - 525 | 565 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |


 Passende Nutensteine finden Sie ab Seite 466.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 466.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

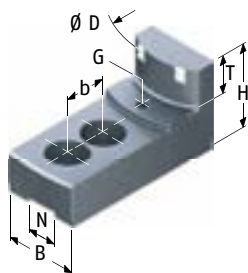
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Schwing- kreis <i>Swing diameter [mm]</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set [kg]</i> |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|---------------------------------|
| KFL 500 | 125 - 298 | 565 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 167 - 381 | 557 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 244 - 461 | 557 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 307 - 524 | 565 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFL 600 | 125 - 397 | 665 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 166 - 481 | 657 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 243 - 561 | 657 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 306 - 624 | 665 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFD-HF 630 | 138 - 427 | 695 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 220 - 511 | 687 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 298 - 591 | 687 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 362 - 654 | 695 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |

 Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|-----------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFD-HE 210 ²⁰⁾ | 57 - 88 | 223 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 118 | 223 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 103 - 148 | 219 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 132 - 178 | 229 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| KFD-HE 254 ²⁰⁾ | 60 - 108 | 269 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 95 - 148 | 269 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 132 - 185 | 265 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 165 - 220 | 275 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| KFD-HE 315- 121 ²⁰⁾ | 100 - 164 | 340 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 160 - 225 | 347 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 225 - 289 | 330 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 276 - 342 | 382 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| KFD-HE 315- 91 ²⁰⁾ | 78 - 163 | 340 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 129 - 225 | 347 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 193 - 289 | 330 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 245 - 341 | 382 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.

Passende Nutensteine finden Sie ab Seite 466.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

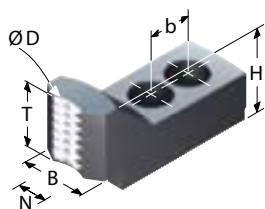
For suitable T-nuts see page 466.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| LVE 125 | 12 – 26 | 165 | SZA-ST 16-4 | 0175112 | 12 | 32 | 40 | 30 | 15 | M8 | 1.1 |
| KFD 160 | 12 – 33 | 172 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KFD-HF 160 | 12 – 34 | 172 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KFD-HS 160 ²⁰⁾ | 12 – 42 | 183 | SZA-ST 16-4 | 0175112 | 12 | 32 | 40 | 30 | 15 | M8 | 1.1 |
| KFH 160 | 16 – 33 | 172 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| LVE 160 ²⁰⁾ | 12 – 53 | 194 | SZA-ST 16-4 | 0175112 | 12 | 32 | 40 | 30 | 15 | M8 | 1.1 |
| KFD-HE 170 ²⁰⁾ | 13 – 63 | 204 | SZA-ST 16-4 | 0175112 | 12 | 32 | 40 | 30 | 15 | M8 | 1.1 |
| KFD-HS 175 ²⁰⁾ | 12 – 56 | 198 | SZA-ST 16-4 | 0175112 | 12 | 32 | 40 | 30 | 15 | M8 | 1.1 |
| DURO-NCGB 200 | 13 – 132 | 272 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KFD 200 | 12 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFD-EC 200 | 15 – 36 | 200 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFD-HF 200 | 12 – 45 | 207 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFD-HS 200 | 12 – 45 | 207 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFH 200 | 17 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFH-F 200 | 14 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFH-G 200 | 14 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFH-NC 200 | 14 – 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| LVE 200 | 21 – 61 | 223 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFD-HE 210 ²⁰⁾ | 13 – 56 | 218 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFD 250 | 18 – 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFD-EC 250 | 21 – 50 | 250 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFD-HF 250 | 18 – 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFD-HS 250 ²⁰⁾ | 18 – 84 | 271 | SZA-ST 25-1 | 0175102 | 17 | 35 | 45 | 35 | 22 | M12 | 1.8 |
| KFH 250 | 16 – 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFH-F 250 | 18 – 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFH-G 250 | 18 – 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFH-NC 250 | 18 – 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |



Passende Nutensteine finden Sie ab Seite 466.



For suitable T-nuts see page 466.

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Bezeichnung Description | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|-----------------------------------|--|--|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| KFL 250 | 18 - 85 | 272 | SZA-ST 25-1 | 0175102 | 17 | 35 | 45 | 35 | 22 | M12 | 1.8 |
| LVE 250 | 25 - 77 | 278 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFD-HE 254 ²⁰⁾ | 17 - 65 | 266 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFD 315 | 24 - 93 | 334 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFD-EC 315 | 24 - 83 | 323 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFD-HE 315- 121 ²⁰⁾ | 31 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFD-HE 315- 91 ²⁰⁾ | 24 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFD-HF 315 | 24 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFD-HS 315- 108 ²⁰⁾ | 24 - 93 | 334 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFD-HS 315- 86 ²⁰⁾ | 24 - 93 | 334 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFH 315 | 25 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFH-F 315 | 24 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFH-G 315 | 24 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFH-NC 315 | 24 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFL 315 | 24 - 94 | 335 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| LVE 315 | 24 - 110 | 351 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFL 400 | 22 - 179 | 420 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



Passende Nutensteine finden Sie ab Seite 466.



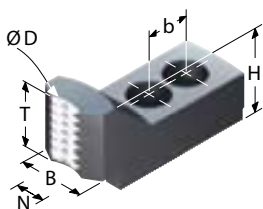
For suitable T-nuts see page 466.

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFD 400 | 34 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFD-EC 400 | 34 - 97 | 434 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFD-HE 400 | 38 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFD-HF 400 | 34 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFD-HS 400 | 34 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH 400 | 38 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH-F 400 | 38 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH-G 400 | 38 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH-NC 400 | 38 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFD 500 | 34 - 199 | 538 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFD-HF 500 | 53 - 207 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFD-HS 500 | 36 - 207 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH 500 | 40 - 207 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH-F 500 | 40 - 207 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH-G 500 | 40 - 207 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFH-NC 500 | 40 - 207 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFL 500 | 33 - 207 | 546 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |



Passende Nutensteine finden Sie ab Seite 466.



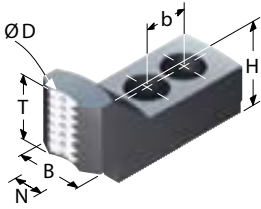
For suitable T-nuts see page 466.

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|-----------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KFD-HE 170 ²⁰⁾ | 16 - 41 | 180 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| KFD-HE 210 ²⁰⁾ | 18 - 50 | 222 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| KFD-HE 254 ²⁰⁾ | 18 - 69 | 268 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| KFD-HE 315- 121 ²⁰⁾ | 44 - 104 | 327 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| KFD-HE 315- 91 ²⁰⁾ | 24 - 104 | 327 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.



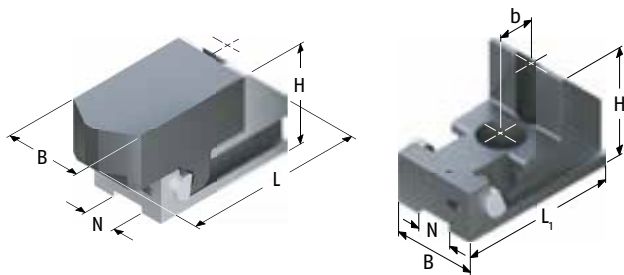
Passende Nutensteine finden Sie ab Seite 466.



For suitable T-nuts see page 466.

Spitzverzahnung 1/16" x 90°

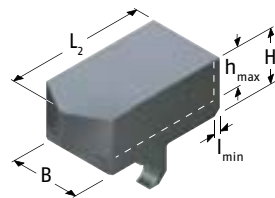
- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- max. Spannbereich durch Versetzen der Trägerbacke möglich



Schnellwechselbacke, komplett Ausführung 2 | *Version 2*
Quick Change Jaw, complete

Fine serration 1/16" x 90°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW
Soft insert BWW

| Futtertypen <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Trägerbacke <i>Support jaw</i> | ID | Wechselbacke <i>Soft insert</i> | ID | Spannkraft <i>Clamping force</i> [kN] |
|--|---|---|-----------------------------------|---------|------------------------------------|---------|---|
| KFD 160 KFD-AF 160 KFD-HF 160 KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 LVE 160 ²⁰⁾ SPD 160 SPO 160 | 10 - 125 | 184 | BWT 160 | 0105200 | BWW 160 | 0105305 | 70 |
| KFD 200 KFD-AF 200 KFD-HF 200 KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 ²⁰⁾ SPD 215 SPO 215 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |
| KFD 250 KFD-AF 250 KFD-HF 250 KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| KFL 250 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |
| LVE 250 KFD-HE 254 ²⁰⁾ KFD 315 KFD-AF 315 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| KFD-EC 315 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |

* Gewichtsangabe für Trägerbacke und Wechselbacke

* Indicated weight for support jaw and change jaw

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg]* |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|--------------------------|
| 17 | 35 | 50 | 25.7 | 89 | 78 | 65 | 17 | 6 | 22 | M12 | 2.7 |
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 4.0 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 4.0 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Trägerbacke <i>Support jaw</i> | ID | Wechselbacke <i>Soft insert</i> | ID | Spannkraft <i>Clamping force</i> [kN] |
|---|---|---|-----------------------------------|---------|------------------------------------|---------|---|
| KFD-HE 315-121 ²⁰⁾ KFD-HE 315-91 ²⁰⁾ KFD-HF 315 KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 KFL 400 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |

20) Bitte überprüfen Sie die Anschlussmaße.

20) Please check the connecting dimensions.

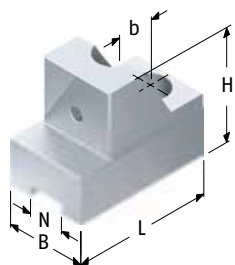
| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg]* |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|--------------------------|
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 2.62 |

Spitzverzahnung 1/16" x 90°

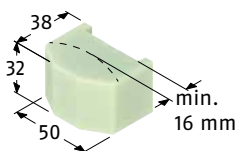
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung

Fine serration 1/16" x 90°

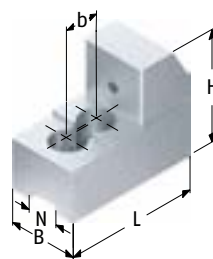
- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 – 0.4
- Gentle clamping



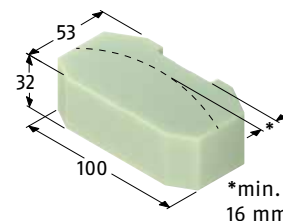
TRQ ...-1



QUENTES 10



TRQ ...-2



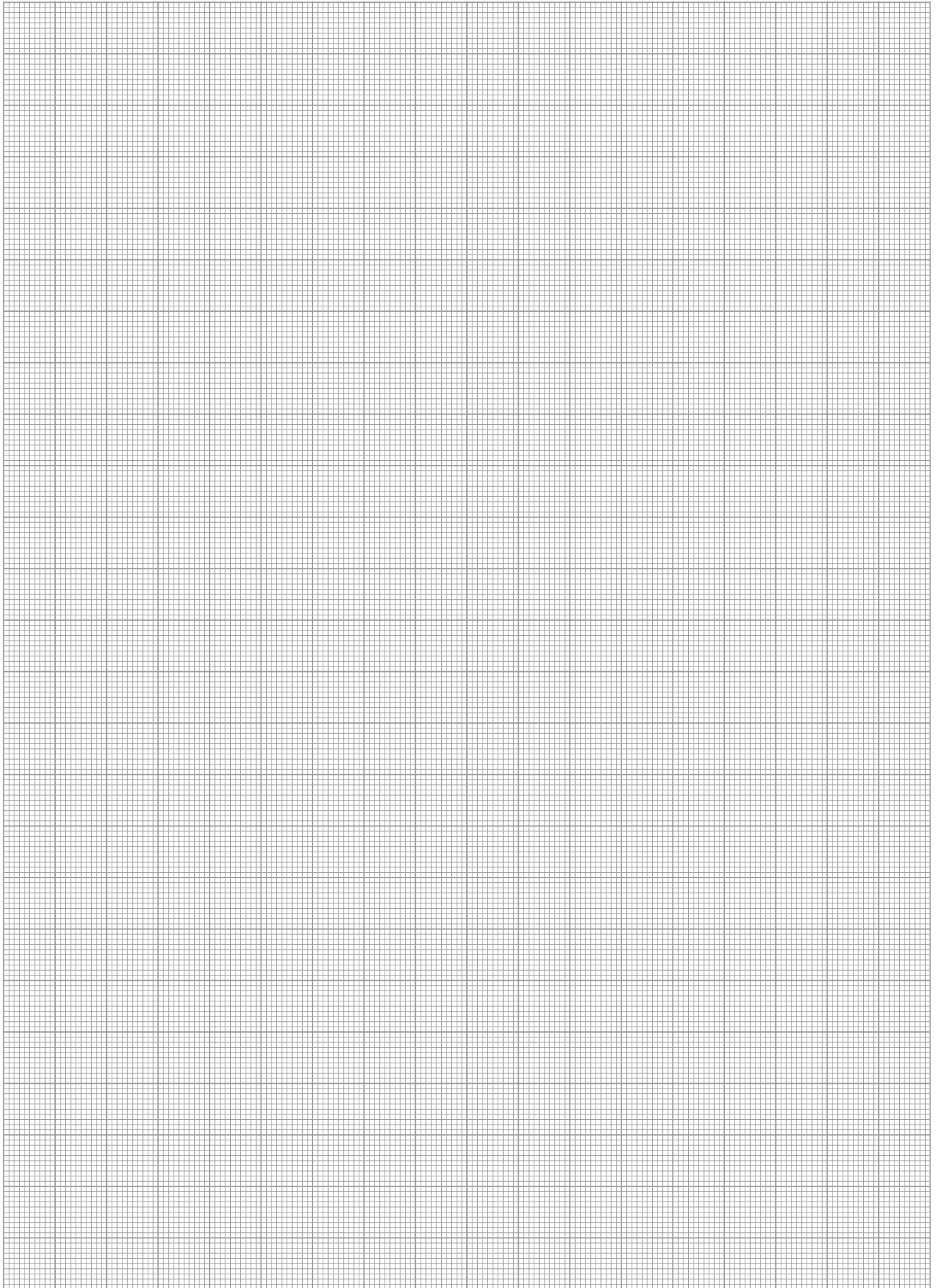
QUENTES 20

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Bezeichnung Description | ID | Spanneinsatz ID Clamping insert | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben Screws | m/Set m/Set [kg] | |
|--|--|----------------------------|---------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|---------------------|------------------------|------|
| KFD 160 KFD-AF 160 KFD-HF 160 KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 LVE 160 ²⁰⁾ | 60 – 135 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| KFD 200 KFD-AF 200 KFD-HF 200 KFD-HS 200 | 20 – 63 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| | 77 – 137 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 | 20 – 69 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| | 99 – 173 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| KFD-HE 210 ²⁰⁾ | 20 – 63 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| | 77 – 137 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| SPD 215 SPO 215 | 20 – 69 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| | 99 – 173 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| KFD 250 KFD-AF 250 KFD-HF 250 KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | 24 – 89 | TRQ 250-1 | 0150003 | QUENTES 10 | 0150100 | 21 | 45 | 57 | 93 | 28 | M16 | 0.97 |
| | 136 – 225 | TRQ 250-2 | 0150004 | QUENTES 20 | 0150200 | 21 | 45 | 67 | 94 | 28 | M16 | 1.24 |
| KFL 250 | 20 – 69 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| | 99 – 173 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| LVE 250 KFD-HE 254 ²⁰⁾ | 24 – 89 | TRQ 250-1 | 0150003 | QUENTES 10 | 0150100 | 21 | 45 | 57 | 93 | 28 | M16 | 0.97 |
| | 136 – 225 | TRQ 250-2 | 0150004 | QUENTES 20 | 0150200 | 21 | 45 | 67 | 94 | 28 | M16 | 1.24 |

20) Bitte überprüfen Sie die Anschlussmaße.

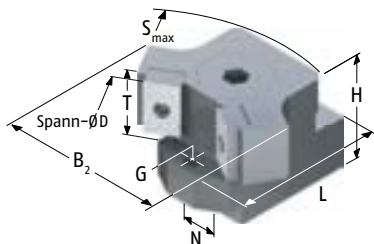
20) Please check the connecting dimensions.

Notizen | Notes



Spitzverzahnung 1/16" x 90°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 1/16" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|--|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| KFD 200 | 60 - 81 | 208 | PNS-Z 200-1 | 0190138 | PT 17-3 | 0191108 | PB 200-1 | 0192126 |
| | 72 - 86 | 208 | PNS-Z 200-2 | 0190139 | PT 17-3 | 0191108 | PB 200-2 | 0192127 |
| | 91 - 109 | 230 | PNS-Z 200-3 | 0190140 | PT 17-4 | 0191109 | PB 200-3 | 0192128 |
| | 120 - 139 | 230 | PNS-Z 200-4 | 0190141 | PT 17-4 | 0191109 | PB 200-4 | 0192129 |
| KFD 250 | 67 - 91 | 256 | PNS-Z 250-21-1 | 0190105 | PT 21-1 | 0191102 | PB 250-1 | 0192100 |
| | 74 - 103 | 263 | PNS-Z 250-21-2 | 0190106 | PT 21-1 | 0191102 | PB 250-2 | 0192101 |
| | 95 - 107 | 263 | PNS-Z 250-21-3 | 0190107 | PT 21-1 | 0191102 | PB 250-3 | 0192102 |
| | 129 - 159 | 281 | PNS-Z 250-21-4 | 0190108 | PT 21-2 | 0191103 | PB 250-4 | 0192103 |
| | 138 - 168 | 281 | PNS-Z 250-21-5 | 0190109 | PT 21-2 | 0191103 | PB 250-5 | 0192104 |
| KFD-HS 250 ²⁰⁾ | 62 - 101 | 256 | PNS-Z 250-17-1 | 0190100 | PT 17-1 | 0191100 | PB 250-1 | 0192100 |
| | 74 - 109 | 269 | PNS-Z 250-17-2 | 0190101 | PT 17-1 | 0191100 | PB 250-2 | 0192101 |
| | 85 - 103 | 269 | PNS-Z 250-17-3 | 0190102 | PT 17-1 | 0191100 | PB 250-3 | 0192102 |
| | 111 - 162 | 285 | PNS-Z 250-17-4 | 0190103 | PT 17-2 | 0191101 | PB 250-4 | 0192103 |
| | 121 - 171 | 285 | PNS-Z 250-17-5 | 0190104 | PT 17-2 | 0191101 | PB 250-5 | 0192104 |
| KFD 315 KFD-HS 315-108 ²⁰⁾ KFD-HS 315-86 ²⁰⁾ | 68 - 112 | 291 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 105 - 157 | 326 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 145 - 215 | 339 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 163 - 226 | 347 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |

20) Bitte überprüfen Sie die Anschlussmaße.

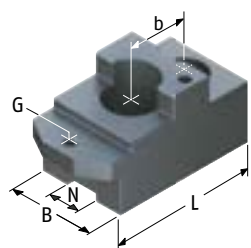
20) Please check the connecting dimensions.



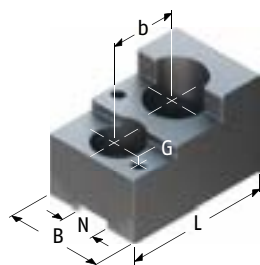
Passende Nutensteine finden Sie ab Seite 466.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



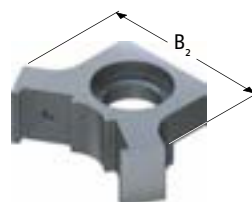
For suitable T-nuts see page 466.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



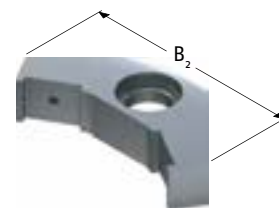
PT ...-1



PT ...-2 - 4



PB ...-1

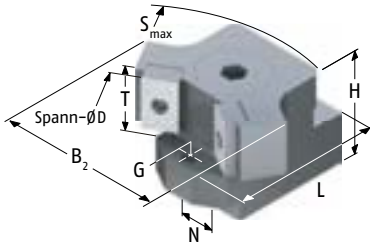


PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 200-1 | 0194140 | 17 | 40 | 80 | 56 | 74 | 30 | M6 | 30 | M12 | 1.2 |
| SP 200-3 | 0194142 | 17 | 40 | 100 | 56 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-5 | 0194144 | 17 | 40 | 102 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.4 |
| SP 200-5 | 0194144 | 17 | 40 | 130 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-2 | 0194101 | 17 | 50 | 85 | 56 | 90 | 35 | M6 | 32 | M12 | 1.6 |
| SP 250-2 | 0194101 | 17 | 50 | 97 | 56 | 90 | 35 | M6 | 32 | M12 | 1.7 |
| SP 250-2 | 0194101 | 17 | 50 | 103 | 56 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-4 | 0194103 | 17 | 50 | 131 | 56 | 75 | 35 | M6 | 32 | M12 | 2.2 |
| SP 250-4 | 0194103 | 17 | 50 | 145 | 56 | 75 | 35 | M6 | 32 | M12 | 2.4 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |

Spitzverzahnung 3/32" x 90°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 3/32" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

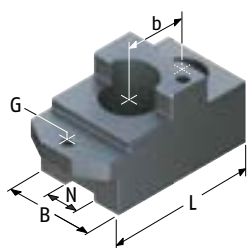
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| KFD 400 | 119 - 183 | 406 | PNS-Z 400-1 | 0190115 | PT 25-1 | 0191104 | PB 400-1 | 0192110 |
| | 176 - 243 | 432 | PNS-Z 400-2 | 0190116 | PT 25-2 | 0191105 | PB 400-2 | 0192111 |
| | 235 - 273 | 432 | PNS-Z 400-3 | 0190117 | PT 25-2 | 0191105 | PB 400-3 | 0192112 |
| | 276 - 348 | 528 | PNS-Z 400-4 | 0190118 | PT 25-3 | 0191106 | PB 400-4 | 0192113 |
| KFD-HS 400 | 114 - 185 | 408 | PNS-Z 400-1 | 0190115 | PT 25-1 | 0191104 | PB 400-1 | 0192110 |
| | 179 - 245 | 435 | PNS-Z 400-2 | 0190116 | PT 25-2 | 0191105 | PB 400-2 | 0192111 |
| | 225 - 275 | 435 | PNS-Z 400-3 | 0190117 | PT 25-2 | 0191105 | PB 400-3 | 0192112 |
| | 279 - 350 | 531 | PNS-Z 400-4 | 0190118 | PT 25-3 | 0191106 | PB 400-4 | 0192113 |



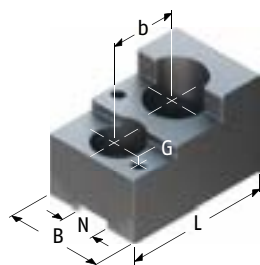
Passende Nutensteine finden Sie ab Seite 466.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



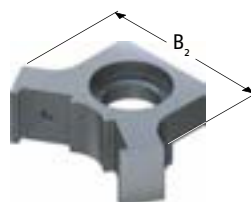
For suitable T-nuts see page 466.
For suitable hard and soft clamping inserts see catalog chapter "Accessories".



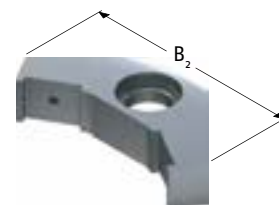
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

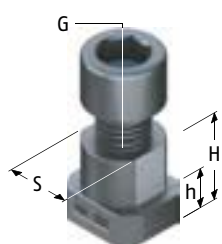
| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|------|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 400-2 | 0194109 | 25.5 | 65 | 150 | 85 | 138 | 45 | M8 | 45 | M20 | 4.7 |
| SP 400-4 | 0194111 | 25.5 | 65 | 205 | 85 | 110 | 45 | M8 | 48 | M20 | 6 |
| SP 400-4 | 0194111 | 25.5 | 65 | 240 | 85 | 110 | 45 | M8 | 48 | M20 | 6.2 |
| SP 400-4 | 0194111 | 25.5 | 70 | 250 | 90 | 150 | 45 | M8 | 45 | M20 | 7.3 |
| SP 400-2 | 0194109 | 25.5 | 65 | 150 | 85 | 138 | 45 | M8 | 45 | M20 | 4.7 |
| SP 400-4 | 0194111 | 25.5 | 65 | 205 | 85 | 110 | 45 | M8 | 48 | M20 | 6 |
| SP 400-4 | 0194111 | 25.5 | 65 | 240 | 85 | 110 | 45 | M8 | 48 | M20 | 6.2 |
| SP 400-4 | 0194111 | 25.5 | 70 | 250 | 90 | 150 | 45 | M8 | 45 | M20 | 7.3 |

Einzel-Nutensteine

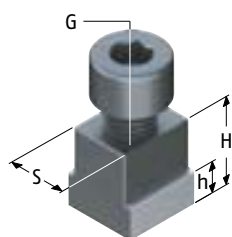
- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen

Single T-Nuts

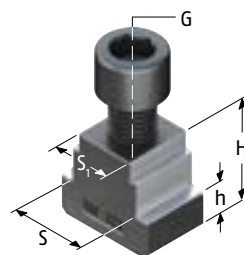
- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| KFN 105 | NSK 105 | 0144100 | 2 | 10 | | 15.5 | 6.5 | M8 | M8x20 | 30 |
| LVE 125 KFD 130 | NS 80 | 0140100 | 1 | 12 | | 17.2 | 7 | M8 | M8x22 | 30 |
| KFD-HE 130 | NSK 105 | 0144100 | 2 | 10 | | 15.5 | 6.5 | M8 | M8x20 | 30 |
| KFM 130 KFN 130 KFN 135 | NSK 130/160 | 0144101 | 2 | 11 | | 15.5 | 6.5 | M8 | M8x20 | 30 |
| KFD-HE 140 | NSK 105 | 0144100 | 2 | 10 | | 15.5 | 6.5 | M8 | M8x20 | 30 |
| KFH 140 | NS 80 | 0140100 | 1 | 12 | | 17.2 | 7 | M8 | M8x22 | 30 |
| KFD 160 KFD-AF 160 KFD-HF 160 | NS 124 | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| KFD-HS 160 | NS 80 | 0140100 | 1 | 12 | | 17.2 | 7 | M8 | M8x22 | 30 |
| KFG 160 | NSK 130/160 | 0144101 | 2 | 11 | | 15.5 | 6.5 | M8 | M8x20 | 30 |
| KFH 160 KFH-F 160 KFH-G 160 KFH-NC 160 | NS 124 | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| KFM 160 KFN 160 | NSK 130/160 | 0144101 | 2 | 11 | | 15.5 | 6.5 | M8 | M8x20 | 30 |
| LVE 160 | NS 80 | 0140100 | 1 | 12 | | 17.2 | 7 | M8 | M8x22 | 30 |
| SPD 160 SPO 160 | NS 124 | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| KFE 170 | NSK 130/160 | 0144101 | 2 | 11 | | 15.5 | 6.5 | M8 | M8x20 | 30 |
| KFD-HS 175 | NS 80 | 0140100 | 1 | 12 | | 17.2 | 7 | M8 | M8x22 | 30 |
| KFA 200 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFD 200 KFD-AF 200 | NS 124 | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| KFD-G 200 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |

Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| KFD-HF 200 KFD-HS 200 KFH 200 KFH-F 200 KFH-G 200 KFH-NC 200 LVE 200 KFD-HE 210 | NS 124 | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| KFE 215 KFG 215 KFM 215 KFN 215 | NSK 215 | 0144103 | 2 | 14 | | 16.5 | 6.5 | M10 | M10x20 | 50 |
| SPD 215 SPO 215 | NS 124 | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| KFA 250 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| KFD 250 KFD-AF 250 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFD-G 250 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| KFD-HF 250 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFD-HS 250 | NS 122 | 0140107 | 3 | 21 | 17 | 25.5 | 11 | M12 | M12x30 | 70 |
| | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFH 250 KFH-F 250 KFH-G 250 KFH-NC 250 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFL 250 | NS 124 | 0142101 | 1 | 17 | | 22 | 9 | M12 | M12x25 | 70 |
| KFN 250 | NSK 250/280 | 0144104 | 2 | 20 | | 21.5 | 8.5 | M12 | M12x30 | 70 |
| LVE 250 KFD-HE 254 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFE 280 KFG 280 KFM 280 KFN 280 | NSK 250/280 | 0144104 | 2 | 20 | | 21.5 | 8.5 | M12 | M12x30 | 70 |
| SPD 300 SPO 300 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFA 315 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| KFD 315 KFD-AF 315 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFD-G 315 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| KFD-HE 315-121 KFD-HE 315-91 KFD-HF 315 KFD-HS 315-108 KFD-HS 315-86 KFH 315 KFH-F 315 KFH-G 315 KFH-NC 315 KFL 315 LVE 315 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| KFE 350 KFG 350 KFM 350 KFN 350 | NSK 350 | 0144107 | 2 | 21 | | 23 | 8.5 | M16 | M16x35 | 150 |

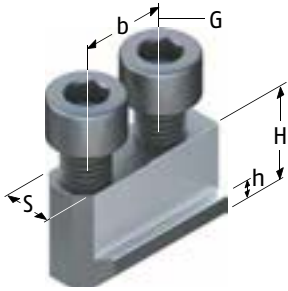
Einzel-Nutensteine

Single T-Nuts

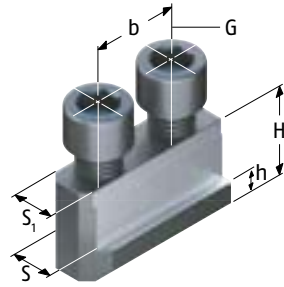
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| KFD 400 KFD-G 400 KFD-HE 400 KFD-HF 400 KFD-HS 400 KFH 400 KFH-F 400 KFH-G 400 KFH-NC 400 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| KFL 400 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| LVE 400 KFD 500 KFD-HF 500 KFD-HS 500 KFH 500 KFH-F 500 KFH-G 500 KFH-NC 500 KFL 500 LVE 500 KFL 600 KFD 630 KFD-HF 630 LVE 630 KFD 800 LVE 800 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| KFD 1000 KFD 1200 KFD 1250 | NS 240 | 0140104 | 1 | 30 | | 41 | 15 | M24 | M24x50 | 450 |

Kombi-Nutensteine

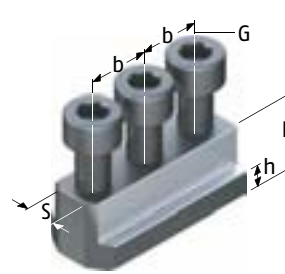
- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

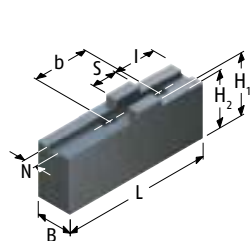
Combi T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

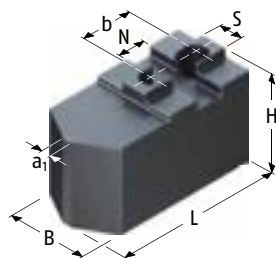
| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube Cyl.-Screw | Max. zul. Anzieh- drehmoment Max. adm. tight- ening torque [Nm] |
|--|----------------------------|---------|-----------------------|-----------|------------|-----------|-----------|-----------|-----|---------------------------------|---|
| KFD 110 | NK 60 | 0147104 | 3 | 10 | | 13.7 | 5.5 | 12 | M6 | M6x18 | 16 |
| KFD-HS 110 | NK 40 | 0147112 | 1 | 10 | | 15.7 | 6.5 | 15 | M8 | M8x20 | 30 |
| KFD 125 KFD-HS 125 KFD-HS 130 KFD 140 KFD-HS 140 | NK 60 | 0147104 | 3 | 10 | | 13.7 | 5.5 | 12 | M6 | M6x18 | 16 |
| KFD-HS 160 | NK 81 | 0147106 | 3 | 12 | | 17.2 | 7 | 15 | M8 | M8x22 | 30 |
| KFD-HE 170 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| | NK 81 | 0147106 | 3 | 12 | | 17.2 | 7 | 15 | M8 | M8x22 | 30 |
| KFD-HS 175 | NK 81 | 0147106 | 3 | 12 | | 17.2 | 7 | 15 | M8 | M8x22 | 30 |
| KFD-HS 200 | NK 122 | 0147108 | 1 | 17 | | 21.5 | 9 | 19 | M12 | M12x25 | 70 |
| KFD-HE 210 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| KFD-HS 250 | NK 161 | 0147109 | 2 | 21 | 17 | 25.5 | 11 | 19 | M12 | M12x30 | 70 |
| | NK 162 | 0147110 | 1 | 21 | | 25.5 | 11 | 25 | M16 | M16x30 | 150 |
| KFD-HE 254 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| KFD-HE 315-121 KFD-HE 315-91 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| KFD-HS 315-108 KFD-HS 315-86 | NK 162 | 0147110 | 1 | 21 | | 25.5 | 11 | 25 | M16 | M16x30 | 150 |

Metrischer Kreuzversatz

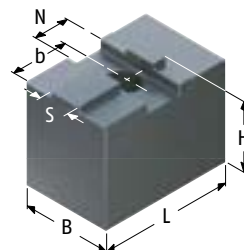
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsehärtbar



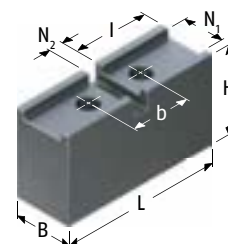
Ausführung 1 | Version 1



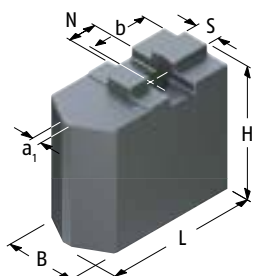
Ausführung 2 | Version 2



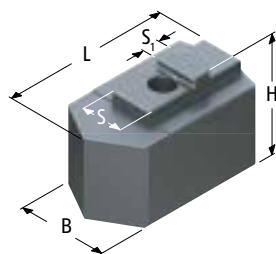
Ausführung 3 | Version 3



Ausführung 4 | Version 4



Ausführung 5 | Version 5



Ausführung 6 | Version 6

Metric tongue and groove

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | S1 [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben Screws | m/Set m/Set | m/Set [kg] |
|---------------------------|----------------------------|---------|-----------------------|-----------|-----------|------------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|---------------------|----------------|---------------|
| KFN 80 | SRK 90 | 0136116 | 6 | | 12 | 5 | 25 | 22.2 | | | 44 | | | | M6 | 0.52 | |
| | SRK 91 | 0136119 | 6 | | 12 | 5 | 25 | 45.2 | | | 44 | | | | M6 | 1 | |
| KFD 85 | SBK 85 | 0135103 | 5 | 8 | 8 | | 22 | 30 | | | 40 | 3 | 11 | M8 | 0.42 | | |
| KFN 90 | SRK 90 | 0136116 | 6 | | 12 | 5 | 25 | 22.2 | | | 44 | | | | M6 | 0.52 | |
| | SRK 91 | 0136119 | 6 | | 12 | 5 | 25 | 45.2 | | | 44 | | | | M6 | 1 | |
| KFD 95 | SBK 95 | 0135104 | 5 | 8 | 8 | | 22 | 40 | | | 44.5 | 3 | 15.5 | M8 | 0.69 | | |
| KFN 95 | SRK 90 | 0136116 | 6 | | 12 | 5 | 25 | 22.2 | | | 44 | | | | M6 | 0.52 | |
| | SRK 91 | 0136119 | 6 | | 12 | 5 | 25 | 45.2 | | | 44 | | | | M6 | 1 | |
| KFD-HS 98 | SRK 98 | 0136111 | 2 | 8 | 10 | | 20 | 30 | | | 45 | 3 | 18 | M6 | 0.42 | | |
| KFD 110 | SRK 110 | 0136100 | 2 | 8 | 8 | | 25 | 30 | | | 51 | 3 | 15 | M6 | 0.67 | | |
| | SRK 114 | 0136115 | 2 | 8 | 8 | | 22 | 47 | | | 55.3 | 1 | 17 | M8 | 0.9 | | |
| KFD-HS 110 | SRK 111 | 0136102 | 2 | 10 | 10 | | 22 | 30 | | | 53 | 3 | 17 | M8 | 0.6 | | |
| KFD 112 | SRK 112 | 0136103 | 2 | 8 | 10 | | 25 | 30 | | | 53 | 4 | 18 | M8 | 0.67 | | |
| DURO 125 | SFA 125 | 0153099 | 4 | 14 | 5 | | 20 | 30 | 30 | | 55 | 25 | | 20 | M6 | 0.6 | |
| KFA 125 | 2 SWKK 125 | 0126100 | 3 | 16 | 14 | | 40 | 48 | | | 60 | | | 29 | M12 | 1.5 | |
| KFD 125 | SRK 110 | 0136100 | 2 | 8 | 8 | | 25 | 30 | | | 51 | 3 | 15 | M6 | 0.67 | | |
| KFD-G 125 | 2 SWKK 125 | 0126100 | 3 | 16 | 14 | | 40 | 48 | | | 60 | | | 29 | M12 | 1.5 | |
| KFD 130 | SBK 130 | 0135100 | 5 | 13 | 8 | | 30 | 45 | | | 60 | 4 | 26.5 | M12 | 1.36 | | |
| KFD-HS 130 ²⁰⁾ | SRK 132 | 0136112 | 2 | 8 | 10 | | 25 | 30 | | | 60 | 3 | 22 | M8 | 0.76 | | |

Passende Grundbacken finden Sie ab Seite 492.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 492.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | S1 [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| DURO-NC 140 | SFA 140 | 0153098 | 1 | 8 | 18 | | 20 | | 40 | 36 | 69 | 25 | | 32 | M8 | 0.9 |
| | SFA 140-C1 | 0154129 | 1 | 8 | 18 | | 30 | | 45 | 41 | 63 | 19 | | 32 | M8 | 1.7 |
| KFD 140 ²⁰⁾ KFD-HS 140 ²⁰⁾ | SBK 130 | 0135100 | 5 | 13 | 8 | | 30 | 45 | | | 60 | | 4 | 26.5 | M12 | 1.36 |
| DURO 160 DURO-NC 160 DURO-NCE 160 | SFA 160 | 0153100 | 1 | 8 | 18 | | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 |
| KFA 160 | 2 SWKK 160 | 0126101 | 3 | 18 | 18 | | 60 | 60 | | | 76 | | | 35 | M16 | 3.5 |
| KFD 160 | SRK 160 | 0136105 | 2 | 10 | 16 | | 40 | 60 | | | 76 | | 4 | 25 | M12 | 2.9 |
| KFD-G 160 | 2 SWKK 160 | 0126101 | 3 | 18 | 18 | | 60 | 60 | | | 76 | | | 35 | M16 | 3.5 |
| KFD-HS 160 ²⁰⁾ | SRK 160 | 0136105 | 2 | 10 | 16 | | 40 | 60 | | | 76 | | 4 | 25 | M12 | 2.9 |
| DURO-NC 168 | SFA 140 | 0153098 | 1 | 8 | 18 | | 20 | | 40 | 36 | 69 | 25 | | 32 | M8 | 0.9 |
| | SFA 140-C1 | 0154129 | 1 | 8 | 18 | | 30 | | 45 | 41 | 63 | 19 | | 32 | M8 | 1.7 |
| DURO-NC 175 DURO-NCES 175 | SFA 160 | 0153100 | 1 | 8 | 18 | | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 |
| DURO 200 DURO-NC 200 DURO-NCE 200 DURO-NCES 200 | SFA 200 | 0153101 | 1 | 10 | 20 | | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 |
| | SFA 200-C5 | 0154132 | 1 | 10 | 20 | | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 |
| KFD 200 KFD-F-EC 200 KFD-HS 200 KFD-HN 220 | SRK 200 | 0136106 | 2 | 12 | 16 | | 40 | 60 | | | 94 | | 8 | 30 | M12 | 3.9 |
| DURO-NC 225 | SFA 200 | 0153101 | 1 | 10 | 20 | | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 |
| | SFA 200-C5 | 0154132 | 1 | 10 | 20 | | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 |


Passende Grundbacken finden Sie ab Seite 492.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.


For suitable base jaw see page 492.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | S1 [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| DURO 250 DURO-NC 250 DURO-NCE 250 DURO-NCES 250 | SFA 250 | 0153102 | 1 | 12 | 20 | | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| KFD 250 KFD-F-EC 250 KFD-HS 250 ²⁰⁾ KFD-HN 280 | SRK 250 | 0136107 | 2 | 16 | 20 | | 50 | 80 | | | 117 | | 12 | 40 | M16 | 8.2 |
| DURO 315 DURO-NC 315 | SFA 315 | 0153103 | 1 | 12 | 26 | | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| DURO-NCE 315 DURO-NCES 315 | SFA 250 | 0153102 | 1 | 12 | 20 | | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| KFD 315 KFD-F-EC 315 KFD-HN 350 | SRK 315 | 0136109 | 2 | 16 | 20 | | 50 | 80 | | | 149 | | 6 | 50 | M16 | 10.9 |
| DURO 400 DURO-NC 400 | SFA 400 | 0153104 | 1 | 18 | 30 | | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |

 Passende Grundbacken finden Sie ab Seite 492.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable base jaw see page 492.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


Metrischer Kreuzversatz


Metric tongue and groove

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | S1 [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|------------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|---------------------|-------------------------|
| DURO-NCE 400 DURO-NCES 400 | SFA 315 | 0153103 | 1 | 12 | 26 | | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| | SFA 315-C8 | 0154115 | 1 | 12 | 26 | | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| DURO 500 DURO-NC 500 DURO-NCE 500 | SFA 400 | 0153104 | 1 | 18 | 30 | | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| DURO 630 DURO-NC 630 | SFA 400-C1 ¹⁴⁾ | 0154116 | 1 | 18 | 30 | | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 ¹⁴⁾ | 0154118 | 1 | 18 | 30 | | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 ¹⁴⁾ | 0154119 | 1 | 18 | 30 | | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 ¹⁴⁾ | 0154120 | 1 | 18 | 30 | | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 ¹⁴⁾ | 0154125 | 1 | 18 | 30 | | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 ¹⁴⁾ | 0154135 | 1 | 18 | 30 | | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| | SFA 630 | 0153106 | 1 | 24 | 40 | | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 39.6 |

14) In Verbindung mit den Grundbacken SFG 630-400
20) Bitte überprüfen Sie die Anschlussmaße.

14) In combination with base jaws SFG 630-400
20) Please check the connecting dimensions.

 Passende Grundbacken finden Sie ab Seite 492.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

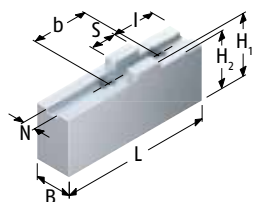
 For suitable base jaw see page 492.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

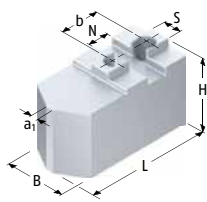
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Metric tongue and groove

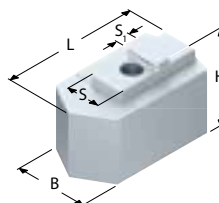
- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 6 | Version 6

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | S1 [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | I [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|------------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| KFN 80 KFN 90 KFN 95 | SRK-AL 90 | 0136140 | 6 | | 12 | 5 | 25 | 22.2 | | | 44 | | | | M6 | 0.2 |
| KFD 110 | SRK-AL 114 | 0136141 | 2 | 8 | 8 | | 22 | 47 | | | 55.3 | | 1 | 17 | M8 | 0.3 |
| DURO 160 DURO-NC 160 DURO-NCE 160 DURO-NC 175 DURO-NCES 175 | SFA-AL 160 | 0172100 | 1 | 8 | 18 | | 25 | | 50 | 46 | 85 | 25 | | 32 | M8 | 0.7 |
| DURO 200 DURO-NC 200 DURO-NCE 200 DURO-NCES 200 DURO-NC 225 | SFA-AL 200 | 0172102 | 1 | 10 | 20 | | 25 | | 50 | 46 | 105 | 35 | | 40 | M8 | 0.9 |
| DURO 250 DURO-NC 250 DURO-NCE 250 DURO-NCES 250 | SFA-AL 250 | 0172103 | 1 | 12 | 20 | | 40 | | 60 | 55 | 125 | 35 | | 40 | M12 | 2.1 |
| DURO 315 DURO-NC 315 | SFA-AL 315 | 0172104 | 1 | 12 | 26 | | 40 | | 60 | 54 | 145 | 45 | | 54 | M12 | 2.4 |
| DURO-NCE 315 DURO-NCES 315 | SFA-AL 250 | 0172103 | 1 | 12 | 20 | | 40 | | 60 | 55 | 125 | 35 | | 40 | M12 | 2.1 |
| DURO 400 DURO-NC 400 | SFA-AL 400 | 0172105 | 1 | 18 | 30 | | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 5.1 |
| DURO-NCE 400 DURO-NCES 400 | SFA-AL 315 | 0172104 | 1 | 12 | 26 | | 40 | | 60 | 54 | 145 | 45 | | 54 | M12 | 2.4 |
| DURO 500 DURO-NC 500 DURO-NCE 500 | SFA-AL 400 | 0172105 | 1 | 18 | 30 | | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 5.1 |
| DURO 630 DURO-NC 630 | SFA-AL 630 | 0172106 | 1 | 24 | 40 | | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 14.8 |



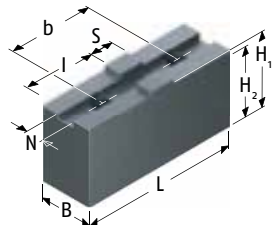
Passende Grundbacken finden Sie ab Seite 492.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 492.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Amerikanischer Kreuzversatz

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



American standard tongue and groove

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|-----------------------------------|
| ZGF 125 ZGU 125 ZSU 125 | WA-RN 125 | 0151108 | 7.96 | 12.67 | 26 | 38 | 35 | 62 | 25.6 | 32 | M8 | 0.35 |
| ZGU 140 ZSU 140 ZGF 160 ZGU 160 ZSU 160 | WA-RN 160 | 0151100 | 7.96 | 12.67 | 30 | 45 | 42 | 74 | 32.2 | 38.1 | M8 | 0.64 |
| UGU 200 USU 200 ZGD 200 ZGF 200 ZGU 200 ZSU 200 ZGD 230 | WA-RN 200 | 0151101 | 7.96 | 12.67 | 30 | 50 | 47 | 87 | 38.7 | 44.5 | M8 | 0.84 |
| ZGD 250 ZGF 250 ZGU 250 ZSU 250 UGU 260 USU 260 ZGD 270 | WA-RN 250 | 0151102 | 12.72 | 19.02 | 35 | 60 | 57 | 103 | 43.5 | 54 | M12 | 1.33 |
| UGU 310 USU 310 ZGD 315 ZGF 315 ZGU 315 ZSU 315 UGU 350 USU 350 | WA-RN 315 | 0151103 | 12.72 | 19.02 | 40 | 60 | 57 | 120 | 53 | 63.5 | M12 | 1.84 |
| ZGF 350 ZGU 350 ZSU 350 UGU 400 USU 400 ZGD 400 ZGF 400 ZGU 400 ZSU 400 UGU 450 USU 450 | WA-RN 350/400 | 0151104 | 12.72 | 19.02 | 50 | 80 | 73.7 | 137 | 62 | 76.2 | M16 | 3.36 |

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Amerikanischer Kreuzversatz

American standard tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | b [mm] | Schrauben <i>Screws</i> | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|-----------------------------------|
| UGU 500 USU 500 ZGD 500 ZGU 500 ZSU 500 UGU 560 USU 560 UGU 600 USU 600 | WA-RN 500/630 | 0151106 | 12.72 | 19.02 | 50 | 80 | 73.7 | 140 | 63.5 | 76.2 | M20 | 3.16 |
| HS 630 | WA-RN 800 | 0151109 | 12.72 | 19.02 | 60 | 100 | 93.7 | 210 | 70 | 76.2 | M20 | 8 |
| UGU 630 USU 630 ZGU 630 ZSU 630 | WA-RN 500/630 | 0151106 | 12.72 | 19.02 | 50 | 80 | 73.7 | 140 | 63.5 | 76.2 | M20 | 3.16 |
| HS 700 | WA-RN 800 | 0151109 | 12.72 | 19.02 | 60 | 100 | 93.7 | 210 | 70 | 76.2 | M20 | 8 |
| ZGU 700 ZSU 700 UGU 710 USU 710 | WA-RN 500/630 | 0151106 | 12.72 | 19.02 | 50 | 80 | 73.7 | 140 | 63.5 | 76.2 | M20 | 3.16 |
| HS 800 UGU 800 USU 800 ZGU 800 ZSU 800 HS 1000 ZGU 1000 ZSU 1000 HS 1250 ZGU 1250 ZSU 1250 | WA-RN 800 | 0151109 | 12.72 | 19.02 | 60 | 100 | 93.7 | 210 | 70 | 76.2 | M20 | 8 |



Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



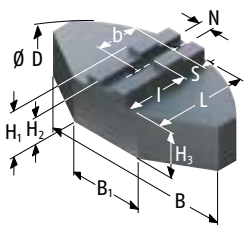
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

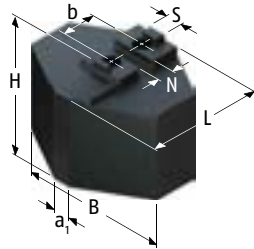
- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Metric tongue and groove

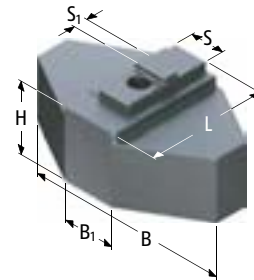
- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | S [mm] | S1 [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|------------|-----------|------------|-----------|-----------|------------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| KFN 80 KFN 90 KFN 95 | SRK-SM 90 | 0136150 | 3 | | 12 | 5 | 70 | 18 | | 25 | | | | 40 | | | M6 | 1.1 |
| KFD 110 | SRK-SM 114 | 0136151 | 2 | 8 | 8 | | 70 | 8 | | 47 | | | | 53 | | 17 | M8 | 2.5 |
| DURO 160 DURO-NC 160 DURO-NCE 160 DURO-NC 175 DURO-NCES 175 | SFA-SM 160 | 0173100 | 1 | 8 | 18 | | 120 | 40 | 160 | | 50 | 46 | 40 | 60 | 23 | 32 | M8 | 4.8 |
| DURO 200 DURO-NC 200 DURO-NCE 200 DURO-NCES 200 DURO-NC 225 | SFA-SM 200 | 0173101 | 1 | 10 | 20 | | 140 | 64 | 200 | | 60 | 56 | 50 | 70 | 27 | 40 | M8 | 9 |
| DURO 250 DURO-NC 250 DURO-NCE 250 DURO-NCES 250 | SFA-SM 250 | 0173102 | 1 | 12 | 20 | | 180 | 70 | 250 | | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| DURO 250 DURO-NC 250 DURO-NCE 250 DURO-NCES 250 | SFA-SM 251 | 0173106 | 1 | 12 | 20 | | 180 | 70 | 250 | | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| DURO 315 DURO-NC 315 | SFA-SM 315 | 0173103 | 1 | 12 | 26 | | 240 | 120 | 320 | | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| DURO-NCE 315 DURO-NCES 315 | SFA-SM 250 | 0173102 | 1 | 12 | 20 | | 180 | 70 | 250 | | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| DURO-NCE 315 DURO-NCES 315 | SFA-SM 251 | 0173106 | 1 | 12 | 20 | | 180 | 70 | 250 | | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| DURO 400 DURO-NC 400 | SFA-SM 400 | 0173104 | 1 | 18 | 30 | | 330 | 150 | 440 | | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |
| DURO-NCE 400 DURO-NCES 400 | SFA-SM 315 | 0173103 | 1 | 12 | 26 | | 240 | 120 | 320 | | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| DURO 500 DURO-NC 500 DURO-NCE 500 | SFA-SM 400 | 0173104 | 1 | 18 | 30 | | 330 | 150 | 440 | | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |

Passende Grundbacken finden Sie ab Seite 492.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

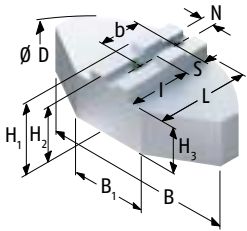
For suitable base jaw see page 492.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| DURO 160 DURO-NC 160 DURO-NCE 160 DURO-NC 175 DURO-NCES 175 | SFA-SA 160 | 0174100 | 8 | 18 | 120 | 40 | 165 | 50 | 46 | 40 | 59.5 | 23 | 32 | M8 | 1.8 |
| DURO 200 DURO-NC 200 DURO-NCE 200 DURO-NCES 200 DURO-NC 225 | SFA-SA 200 | 0174101 | 10 | 20 | 140 | 50 | 200 | 58 | 54 | 48 | 72.5 | 32 | 40 | M8 | 3.5 |
| | SFA-SA 201 | 0174105 | 10 | 20 | 140 | 50 | 200 | 80 | 76 | 70 | 72.5 | 32 | 40 | M8 | 4.7 |
| DURO 250 DURO-NC 250 DURO-NCE 250 DURO-NCES 250 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| DURO 315 DURO-NC 315 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| DURO-NCE 315 DURO-NCES 315 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| DURO 400 DURO-NC 400 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |
| DURO-NCE 400 DURO-NCES 400 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| DURO 500 DURO-NC 500 DURO-NCE 500 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |



Passende Grundbacken finden Sie ab Seite 492.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



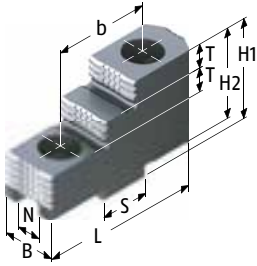
*For suitable base jaw see page 492.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".*

Metrischer Kreuzversatz

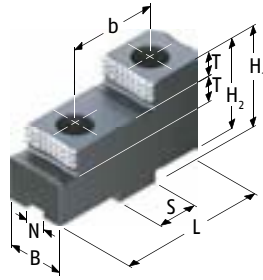
- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | Version 1

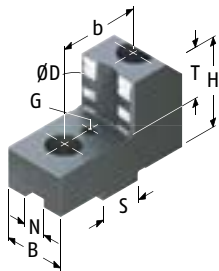


Ausführung 2 | Version 2

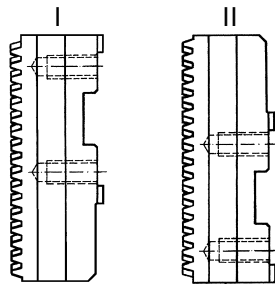
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| DURO-NC 140 DURO 160 DURO-NC 160 DURO-NCE 160 DURO-NC 168 DURO-NC 175 DURO-NCES 175 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| DURO 200 DURO-NC 200 DURO-NCE 200 DURO-NCES 200 DURO-NC 225 | SHF 200 | 0155101 | 1 | 10 | 20 | 22 | 42 | 38 | 71.7 | 10 | 40 | M8 | 0.8 |
| DURO 250 DURO-NC 250 DURO-NCE 250 DURO-NCES 250 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| DURO 315 DURO-NC 315 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| DURO-NCE 315 DURO-NCES 315 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| DURO 400 DURO-NC 400 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| DURO-NCE 400 DURO-NCES 400 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| DURO 500 DURO-NC 500 DURO-NCE 500 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| DURO 630 DURO-NC 630 | SHF 630 | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| DURO 160 | 28 - 53 | 210 | II | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 43 - 87 | 209 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 56 - 101 | 210 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 90 - 135 | 216 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 107 - 151 | 213 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| DURO-NC 160 | 28 - 53 | 209 | II | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 51 - 97 | 219 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 64 - 100 | 209 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 99 - 145 | 226 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 114 - 151 | 212 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| DURO-NCE 160 | 48 - 93 | 215 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 62 - 107 | 216 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 96 - 141 | 222 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 112 - 158 | 219 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| DURO-NC 175 | 42 - 105 | 227 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 59 - 124 | 233 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 90 - 153 | 234 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 110 - 175 | 236 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| DURO-NCES 175 | 28 - 72 | 193 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 57 - 102 | 193 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 74 - 119 | 200 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 107 - 153 | 214 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 125 - 170 | 232 | I | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |


Passende Grundbacken finden Sie ab Seite 492.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.


For suitable base jaw see page 492.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| DURO 200 | 30 - 90 | 257 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 64 - 136 | 276 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 104 - 165 | 257 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 139 - 200 | 262 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| DURO-NC 200 | 37 - 114 | 281 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 64 - 140 | 280 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 112 - 189 | 281 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 147 - 224 | 286 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| DURO-NCE 200 | 34 - 90 | 257 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 64 - 119 | 259 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 109 - 165 | 257 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 144 - 200 | 262 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| DURO-NCES 200 | 27 - 100 | 268 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 64 - 138 | 268 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 136 - 211 | 273 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| DURO-NC 225 | 40 - 126 | 293 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 68 - 154 | 294 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 115 - 201 | 293 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 150 - 236 | 299 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| DURO 250 | 31 - 103 | 327 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 80 - 161 | 328 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 155 - 236 | 331 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 189 - 270 | 345 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NC 250 | 31 - 125 | 350 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 80 - 183 | 350 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 159 - 252 | 346 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 192 - 285 | 360 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NCE 250 | 31 - 90 | 314 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 79 - 147 | 314 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 161 - 230 | 324 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 194 - 263 | 338 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NCES 250 | 31 - 103 | 315 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 75 - 161 | 315 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 137 - 224 | 318 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 171 - 258 | 332 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO 315 | 44 - 118 | 385 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 97 - 195 | 385 | I | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 128 - 226 | 385 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 205 - 304 | 392 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |


 Passende Grundbacken finden Sie ab Seite 492.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 492.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| DURO-NC 315 | 44 - 115 | 382 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 96 - 194 | 385 | I | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 124 - 223 | 382 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 204 - 302 | 391 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| DURO-NCE 315 | 50 - 177 | 402 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 140 - 268 | 402 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 200 - 329 | 404 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NCES 315 | 31 - 137 | 372 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 120 - 228 | 372 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 204 - 314 | 388 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO 400 | 50 - 160 | 500 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 124 - 261 | 500 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 242 - 381 | 500 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| DURO-NC 400 | 50 - 149 | 489 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 122 - 250 | 489 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 249 - 385 | 504 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| DURO-NCE 400 | 94 - 230 | 498 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 202 - 338 | 498 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 248 - 385 | 474 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| DURO-NCES 400 | 53 - 182 | 450 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 159 - 290 | 450 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 237 - 368 | 457 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| DURO 500 | 64 - 249 | 590 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 162 - 351 | 590 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 279 - 468 | 588 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| DURO-NC 500 | 50 - 184 | 524 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 122 - 285 | 524 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 250 - 421 | 540 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| DURO-NCE 500 | 74 - 255 | 596 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 189 - 372 | 594 | I | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 291 - 747 | 594 | I | SZKA 412 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| DURO 630 | 77 - 350 | 832 | II | SZKA 409 ¹⁴⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 86 - 324 | 799 | II | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 204 - 496 | 799 | I | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 210 - 485 | 799 | II | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 280 - 522 | 746 | I | SZKA 409 ¹⁴⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 364 - 656 | 799 | I | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |

 Passende Grundbacken finden Sie ab Seite 492.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 492.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


Metrischer Kreuzversatz


Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| DURO-NC 630 | 57 - 323 | 805 | II | SZKA 409 ¹⁴⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 82 - 298 | 772 | II | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 205 - 458 | 772 | II | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |
| | 279 - 482 | 785 | I | SZKA 631 | 0139200 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 13 |
| | 304 - 508 | 732 | I | SZKA 409 ¹⁴⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 439 - 642 | 785 | I | SZKA 632 | 0139201 | 24 | 40 | 65 | 97 | 42 | M8 | 82 | M20 | 11.8 |

14) In Verbindung mit den Grundbacken SFG 630-400

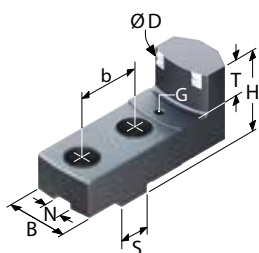
14) In combination with base jaws SFG 630-400

 Passende Grundbacken finden Sie ab Seite 492.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

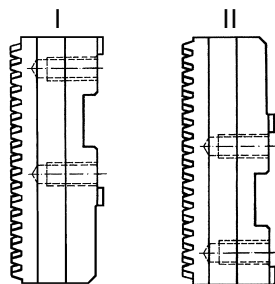
 For suitable base jaw see page 492.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Schwing- kreis Swing diameter [mm] | Grundba- ckenstel- lung Position of base jaws | Bezeichnung Description | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--------------------------|--|--|---|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|---------------------|-------------------------|
| DURO 200 | 53 - 104 | 256 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 144 | 275 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 114 - 174 | 256 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| DURO-NC 200 | 54 - 127 | 280 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 148 | 279 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 120 - 197 | 280 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| DURO-NCE 200 | 53 - 104 | 256 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 127 | 258 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 118 - 174 | 256 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| DURO-NCES 200 | 53 - 114 | 267 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 110 - 184 | 267 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| DURO-NC 225 | 55 - 140 | 293 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 162 | 293 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 124 - 210 | 292 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| DURO 250 | 75 - 155 | 327 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 117 - 198 | 326 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 192 - 262 | 316 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NC 250 | 79 - 170 | 342 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 116 - 220 | 349 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 196 - 277 | 331 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NCE 250 | 81 - 148 | 320 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 116 - 185 | 313 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 198 - 267 | 321 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NCES 250 | 69 - 142 | 314 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 - 198 | 314 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 174 - 261 | 315 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |

Passende Grundbacken finden Sie ab Seite 492.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable base jaw see page 492.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| DURO 315 | 95 - 192 | 384 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 125 - 223 | 384 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 202 - 301 | 384 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| DURO-NC 315 | 93 - 191 | 383 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 122 - 220 | 381 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 201 - 300 | 383 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| DURO-NCE 315 | 86 - 213 | 386 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 144 - 272 | 401 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 204 - 333 | 387 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO-NCES 315 | 90 - 198 | 371 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 124 - 232 | 371 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 208 - 318 | 372 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| DURO 400 | 103 - 190 | 499 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 280 | 499 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 261 - 400 | 499 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| DURO-NC 400 | 103 - 179 | 488 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 269 | 488 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 268 - 404 | 503 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| DURO-NCE 400 | 137 - 274 | 466 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 245 - 382 | 466 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| DURO-NCES 400 | 126 - 256 | 449 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 234 - 365 | 449 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| DURO 500 | 103 - 280 | 589 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 182 - 370 | 589 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 298 - 487 | 587 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| DURO-NC 500 | 103 - 214 | 523 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 304 | 523 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 269 - 440 | 539 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| DURO-NCE 500 | 104 - 286 | 595 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 192 - 376 | 595 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 219 - 403 | 593 | I | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 309 - 493 | 593 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| DURO 630 | 106 - 381 | 831 | II | SZKI 409 ¹⁴⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 195 - 471 | 831 | II | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 311 - 553 | 745 | I | SZKI 409 ¹⁴⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 401 - 643 | 745 | I | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| DURO-NC 630 | 103 - 354 | 804 | II | SZKI 409 ¹⁴⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 174 - 444 | 804 | II | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 335 - 539 | 731 | I | SZKI 409 ¹⁴⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 425 - 629 | 731 | I | SZKI 411 ¹⁴⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |

14) In Verbindung mit den Grundbacken SFG 630-400

14) In combination with base jaws SFG 630-400



Passende Grundbacken finden Sie ab Seite 492.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



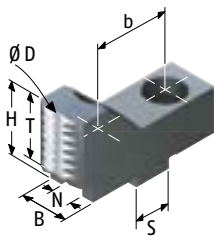
For suitable base jaw see page 492.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

Metrischer Kreuzversatz

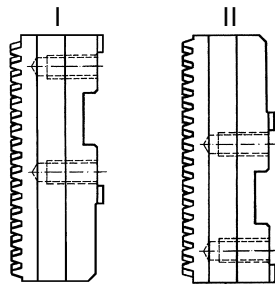
- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| DURO 160 | 10 – 43 | 210 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| DURO-NC 160 | 10 – 43 | 209 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| DURO-NCE 160 | 10 – 49 | 216 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| DURO-NC 175 | 10 – 66 | 233 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| DURO-NCES 175 | 10 – 44 | 193 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| DURO 200 | 12 – 87 | 276 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| DURO-NC 200 | 16 – 91 | 280 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| DURO-NCE 200 | 15 – 70 | 259 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| DURO-NCES 200 | 15 – 89 | 268 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| DURO-NC 225 | 20 – 105 | 294 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| DURO 250 | 13 – 86 | 327 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| DURO-NC 250 | 13 – 109 | 350 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| DURO-NCE 250 | 13 – 73 | 314 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| DURO-NCES 250 | 13 – 86 | 315 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| DURO 315 | 14 – 102 | 385 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| DURO-NC 315 | 14 – 99 | 382 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| DURO-NCE 315 | 32 – 161 | 402 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| DURO-NCES 315 | 14 – 120 | 372 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| DURO-NCE 400 | 78 – 215 | 498 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| DURO-NCES 400 | 36 – 166 | 450 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |

Passende Grundbacken finden Sie ab Seite 492.

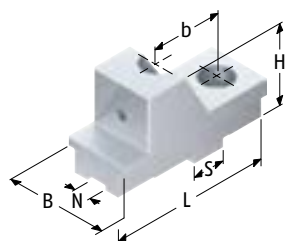
For suitable base jaw see page 492.

Metrischer Kreuzversatz

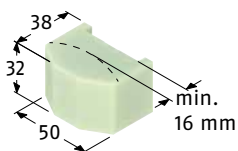
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung

Metric tongue and groove

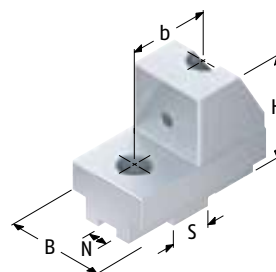
- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 – 0.4
- Gentle clamping



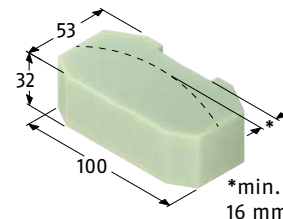
TRQK ...-1



QUENTES 10



TRQK ...-2

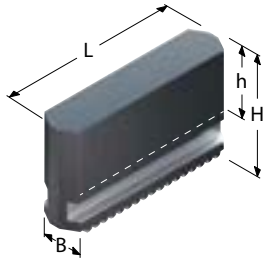


QUENTES 20

| Futtertype Chuck type | Spannbe- reich Clamping range [mm] | Bezeichnung Description | ID | Spanneinsatz ID Clamping insert | N [mm] | S [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] | |
|--|--|----------------------------|---------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|------|
| DURO 160 DURO-NC 160 DURO-NC 168 DURO-NC 175 DURO-NCE 175 DURO-NCES 175 | 20 – 85 | TRQK 160 | 0150024 | QUENTES 10 | 0150100 | 8 | 18 | 38 | 54 | 56 | 32 | M8 | 0.5 |
| DURO 200 DURO-NC 200 DURO-NCE 200 DURO-NC 225 | 20 – 71 | TRQK 200-1 | 0150009 | QUENTES 10 | 0150100 | 10 | 20 | 38 | 54 | 91 | 40 | M8 | 0.74 |
| | 55 – 149 | TRQK 200-2 | 0150010 | QUENTES 20 | 0150200 | 10 | 20 | 40 | 58 | 72 | 40 | M8 | 0.76 |
| DURO 250 DURO-NC 250 DURO-NCE 250 | 20 – 115 | TRQK 250-1 | 0150011 | QUENTES 10 | 0150100 | 12 | 20 | 38 | 53 | 98 | 40 | M12 | 0.8 |
| | 55 – 201 | TRQK 250-2 | 0150012 | QUENTES 20 | 0150200 | 12 | 20 | 40 | 57 | 72 | 40 | M12 | 0.7 |

Schräge Verzahnung


- Verzahnung und Nuten induktiv gehärtet und geschliffen
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: C45, vergütet




Angled serration

- Serration and slots inductive hardened and ground
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: C45, tempered

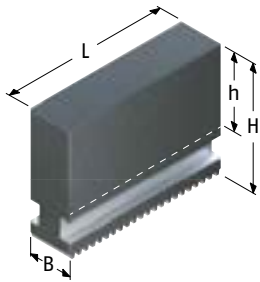
| Futtertype Chuck type | Bezeichnung Description | ID | B [mm] | H [mm] | L [mm] | h [mm] | m/Satz m/Set [kg] |
|-----------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-------------------------|
| DURO 160 DURO-NC 160 | SMB 160 | 0163100 | 20 | 45 | 79 | 24 | 1.5 |
| DURO-NCE 160 DURO-NC 175 | SMB-H 160 | 0163200 | 20 | 60 | 79 | 39 | 2 |
| DURO 200 DURO-NC 200 | SMB 200 | 0163101 | 22 | 60 | 94 | 35 | 2.6 |
| DURO-NCE 200 DURO-NC 225 | SMB-H 200 | 0163201 | 22 | 80 | 94 | 55 | 3.6 |
| DURO 250 DURO-NC 250 | SMB 250 | 0163102 | 26 | 70 | 115 | 40 | 4.4 |
| DURO-NCE 250 | SMB-H 250 | 0163202 | 26 | 100 | 115 | 70 | 6.5 |
| DURO 315 DURO-NC 315 | SMB 315 | 0163103 | 32 | 81 | 140 | 46 | 7.5 |
| | SMB-H 315 | 0163203 | 32 | 135 | 140 | 100 | 13 |
| DURO-NCE 315 | SMB 250 | 0163102 | 26 | 70 | 115 | 40 | 4.4 |
| | SMB-H 250 | 0163202 | 26 | 100 | 115 | 70 | 6.5 |
| DURO 400 DURO-NC 400 | SMB 400 | 0163104 | 45 | 93 | 176 | 53 | 15 |
| | SMB 500 | 0163105 | 45 | 130 | 176 | 90 | 21.6 |
| DURO-NCE 400 | SMB 315 | 0163103 | 32 | 81 | 140 | 46 | 7.5 |
| | SMB-H 315 | 0163203 | 32 | 135 | 140 | 100 | 13 |
| DURO 500 DURO-NC 500 | SMB 400 | 0163104 | 45 | 93 | 176 | 53 | 15 |
| DURO-NCE 500 | SMB 500 | 0163105 | 45 | 130 | 176 | 90 | 21.6 |
| DURO 630 DURO-NC 630 | SMB 630/800 | 0163106 | 65 | 130 | 230 | 88 | 40 |

 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

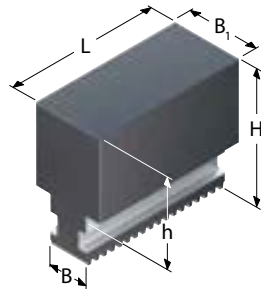
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Gerade Verzahnung

- Verzahnung und Nuten induktiv gehärtet und geschliffen
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: C45, vergütet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Straight serration

- Serration and slots inductive hardened and ground
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: C45, tempered

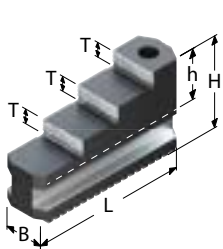
| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | B [mm] | B1 [mm] | H [mm] | L [mm] | h [mm] | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------------------|-----------|------------|-----------|-----------|-----------|-------------------------|
| DURO-NCES 175 | UVB 160 | 0164106 | 1 | 20 | | 55.5 | 65 | 35 | 1.6 |
| | UVB 200 | 0164100 | 1 | 22 | | 65 | 84 | 40 | 2.7 |
| DURO-NCES 200 | UVB-B 200 | 0164113 | 2 | 22 | 40 | 65 | 84 | 38 | 3.9 |
| | UVB-H 200 | 0164116 | 1 | 22 | | 85 | 84 | 60 | 3.2 |
| DURO-NCES 250 | UVB 250 | 0164101 | 1 | 26 | | 84 | 99 | 55 | 4.8 |
| | UVB-B 250 | 0164114 | 2 | 26 | 46 | 84 | 99 | 52 | 7.2 |
| | UVB-H 250 | 0164117 | 1 | 26 | | 115 | 99 | 86 | 6.6 |
| DURO-NCES 315 | UVB 315 | 0164102 | 1 | 32 | | 90 | 121 | 56 | 7.6 |
| | UVB-B 315 | 0164115 | 2 | 32 | 46 | 90 | 121 | 52 | 9.6 |
| | UVB-H 315 | 0164118 | 1 | 32 | | 135 | 121 | 101 | 11.3 |
| DURO-NCES 400 | UVB 400 | 0164103 | 1 | 32 | | 100 | 148 | 66 | 10 |

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

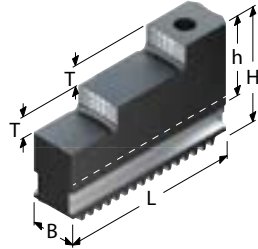
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Schräge Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, einsatzgehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

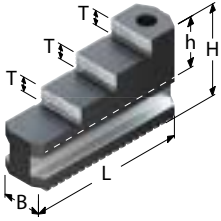
Angled serration

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, case-hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|--------------------------------|
| DURO 160 DURO-NC 160 DURO-NCE 160 DURO-NC 175 | STF 160 | 0161100 | 1 | 20 | 45 | 79 | 7.5 | 24 | 1.1 |
| DURO 200 DURO-NC 200 DURO-NCE 200 DURO-NC 225 | STF 200 | 0161101 | 1 | 22 | 60 | 94 | 10 | 35 | 1.9 |
| DURO 250 DURO-NC 250 DURO-NCE 250 | STF 250 | 0161102 | 2 | 26 | 70 | 114 | 14 | 40 | 3.3 |
| DURO 315 DURO-NC 315 | STF 315 | 0161103 | 2 | 32 | 81 | 129 | 15 | 46 | 5.5 |
| DURO-NCE 315 | STF 250 | 0161102 | 2 | 26 | 70 | 114 | 14 | 40 | 3.3 |
| DURO 400 DURO-NC 400 | STF 400 | 0161104 | 2 | 45 | 93 | 167 | 20 | 52 | 10.8 |
| DURO-NCE 400 | STF 315 | 0161103 | 2 | 32 | 81 | 129 | 15 | 46 | 5.5 |
| DURO 500 DURO-NC 500 DURO-NCE 500 | STF 400 | 0161104 | 2 | 45 | 93 | 167 | 20 | 52 | 10.8 |

Gerade Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, einsatzgehärtet



Straight serration

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, case-hardened

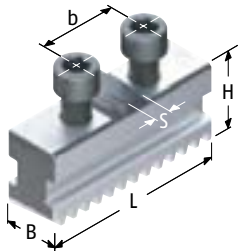
| Futtertype Chuck type | Bezeichnung Description | ID | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz m/Set [kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-------------------------|
| DURO-NCES 175 | GST 175 | 0162099 | 20 | 46 | 66.6 | 7 | 24 | 0.9 |
| DURO-NCES 200 | GST 201 | 0162106 | 22 | 54 | 84.8 | 8 | 29 | 1.6 |
| DURO-NCES 250 | GST 251 | 0162105 | 26 | 65 | 107.4 | 10 | 36 | 2.8 |
| DURO-NCES 315 | GST 315 | 0162102 | 32 | 66 | 116.3 | 10 | 32 | 3.5 |
| DURO-NCES 400 | GST 400 | 0162103 | 32 | 70 | 136.4 | 11 | 36 | 4.6 |

Schräge Verzahnung

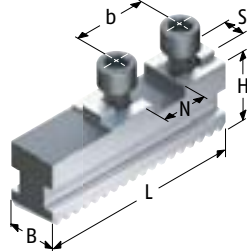
- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben (außer Type EWB-TG)

Angled serration

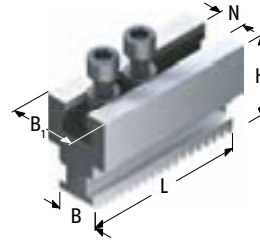
- Base Jaws for Top Jaws
- Hardened and precision ground
- Delivery unit: 1 set = 3 pieces
- Including screws (except type EWB-TG)



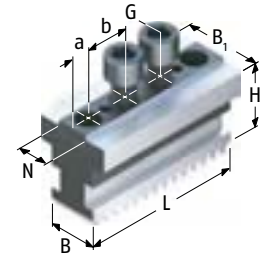
Ausführung 1 | Version 1



Ausführung 2 | Version 2




Ausführung 3 | Version 3



Ausführung 4 | Version 4

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung N Version | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-------------|-------------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| DURO 125 | SFG 125 | 0157099 | MT* | 1 | 5 | 14 | | 19.5 | 47 | | 20 | M6 | 0.3 |
| DURO 160 | SFG 160 | 0157100 | MT* | 2 | 18 | 8 | 20 | 27 | 74 | | 32 | M8x1 | 0.8 |
| DURO-NC 160 | SFGK 160 | 0157500 | MT* | 2 | 18 | 8 | 20 | 27 | 64 | | 32 | M8x1 | 0.7 |
| DURO-NC 160 | SFG-V 160 ⁽¹³⁾ | 0157150 | MT* | 2 | 18 | 8 | 20 | 27 | 74 | | 32 | M8x1 | 0.8 |
| DURO-NC 175 | SFG-V 160 ⁽¹³⁾ | 0157150 | MT* | 2 | 18 | 8 | 20 | 27 | 74 | | 32 | M8x1 | 0.8 |
| DURO 200 | SFG 200 | 0157101 | MT* | 2 | 20 | 10 | 22 | 32 | 90 | | 40 | M8x1 | 1.2 |
| | SFGK 200 | 0157501 | MT* | 2 | 20 | 10 | 22 | 32 | 80 | | 40 | M8x1 | 1.1 |
| | SFGL 200 | 0157121 | MT* | 2 | 20 | 10 | 22 | 32 | 110 | | 40 | M8x1 | 1.5 |
| | SFG-V 200 ⁽¹³⁾ | 0157151 | MT* | 2 | 20 | 10 | 22 | 32 | 88 | | 40 | M8x1 | 1.2 |
| | STB 200 | 0156099 | 1/16" x 90° | 3 | 17 | | 22 | 45 | 61 | 80 | | M12 | 3.4 |
| DURO-NC 200 DURO-NCE 200 DURO-NC 225 | SFG 200 | 0157101 | MT* | 2 | 20 | 10 | 22 | 32 | 90 | | 40 | M8x1 | 1.2 |
| | SFGK 200 | 0157501 | MT* | 2 | 20 | 10 | 22 | 32 | 80 | | 40 | M8x1 | 1.1 |
| | SFGL 200 | 0157121 | MT* | 2 | 20 | 10 | 22 | 32 | 110 | | 40 | M8x1 | 1.5 |
| | SFG-V 200 ⁽¹³⁾ | 0157151 | MT* | 2 | 20 | 10 | 22 | 32 | 88 | | 40 | M8x1 | 1.2 |
| | STB 200 | 0156099 | 1/16" x 90° | 3 | 17 | | 22 | 45 | 61 | 80 | | M12 | 3.4 |
| DURO 250 | SFG 250 | 0157102 | MT* | 2 | 20 | 12 | 26 | 37 | 110 | | 40 | M12x1,5 | 2 |
| | SFGK 250 | 0157502 | MT* | 2 | 20 | 12 | 26 | 37 | 91 | | 40 | M12x1,5 | 1.6 |
| | SFGL 250 | 0157112 | MT* | 2 | 20 | 12 | 26 | 37 | 122 | | 40 | M12x1,5 | 2.3 |
| | SFG-V 250 ⁽¹³⁾ | 0157152 | MT* | 2 | 20 | 12 | 26 | 37 | 110 | | 40 | M12x1,5 | 2 |
| | STB 250-1 | 0156100 | 1/16" x 90° | 3 | 17 | | 26 | 45 | 65 | 110 | | M12x1,5 | 4.9 |
| | STB 250-2 | 0156101 | 1/16" x 90° | 3 | 21 | | 26 | 54 | 70 | 110 | | M16x1,5 | 5.2 |
| | STN 250-4 | 0160501 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16x1,5 |

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

 For suitable jaw mounting spare screws see catalog chapter "Accessories".


Schräge Verzahnung


Angled serration

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set [kg] |
|---|----------------------------|---------|-------------|-----------------------|------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|---------------------|
| DURO-NC 250 DURO-NCE 250 | SFG 250 | 0157102 | MT* | 2 | 20 | 12 | 26 | | 37 | 110 | | 40 | M12x1,5 | 2 |
| | SFGK 250 | 0157502 | MT* | 2 | 20 | 12 | 26 | | 37 | 91 | | 40 | M12x1,5 | 1.6 |
| | SFGL 250 | 0157112 | MT* | 2 | 20 | 12 | 26 | | 37 | 122 | | 40 | M12x1,5 | 2.3 |
| | SFG-V 250 ¹³⁾ | 0157152 | MT* | 2 | 20 | 12 | 26 | | 40 | 110 | | 40 | M12x1,5 | 2 |
| | STB 250-1 | 0156100 | 1/16" x 90° | 3 | 17 | | 26 | 45 | 65 | 110 | | | M12x1,5 | 4.9 |
| | STB 250-2 | 0156101 | 1/16" x 90° | 3 | 21 | | 26 | 54 | 70 | 110 | | | M16 | 5.2 |
| | STN 250-4 | 0160501 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4.2 |
| DURO 315 | SFG 315 | 0157103 | MT* | 2 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | SFGL 315 | 0157123 | MT* | 2 | 26 | 12 | 32 | | 43 | 160 | | 54 | M12x1,5 | 4 |
| | SFG-V 315 ¹³⁾ | 0157153 | MT* | 2 | 26 | 12 | 32 | | 46 | 125 | | 54 | M12 | 3.1 |
| | STB 315-2 | 0156103 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| DURO-NC 315 | SFG 315 | 0157103 | MT* | 2 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | SFGL 315 | 0157123 | MT* | 2 | 26 | 12 | 32 | | 43 | 160 | | 54 | M12x1,5 | 4 |
| | SFG-V 315 ¹³⁾ | 0157153 | MT* | 2 | 26 | 12 | 32 | | 46 | 125 | | 54 | M12 | 3.1 |
| | STB 315-2 | 0156103 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| DURO-NCE 315 | SFG 250 | 0157102 | MT* | 2 | 20 | 12 | 26 | | 37 | 110 | | 40 | M12x1,5 | 2 |
| | SFGK 250 | 0157502 | MT* | 2 | 20 | 12 | 26 | | 37 | 91 | | 40 | M12x1,5 | 1.6 |
| | SFGL 250 | 0157112 | MT* | 2 | 20 | 12 | 26 | | 37 | 122 | | 40 | M12x1,5 | 2.3 |
| | SFG-V 250 ¹³⁾ | 0157152 | MT* | 2 | 20 | 12 | 26 | | 40 | 110 | | 40 | M12x1,5 | 2 |
| | STB 250-1 | 0156100 | 1/16" x 90° | 3 | 17 | | 26 | 45 | 65 | 110 | | | M12x1,5 | 4.9 |
| | STB 250-2 | 0156101 | 1/16" x 90° | 3 | 21 | | 26 | 54 | 70 | 110 | | | M16 | 5.2 |
| | STN 250-4 | 0160501 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16x1,5 | 4.2 |
| DURO 400 DURO-NC 400 | SFG 400 | 0157104 | MT* | 2 | 30 | 18 | 45 | | 51 | 160 | | 60 | M16x1.5 | 7.2 |
| | SFGL 400 | 0157124 | MT* | 2 | 30 | 18 | 45 | | 51 | 200 | | 60 | M16x1.5 | 8.6 |
| | STB 400-1 | 0156104 | 1/16" x 90° | 3 | 21 | | 45 | 54 | 80 | 160 | | | M16 | 12 |
| | STB 400-2 | 0156105 | 3/32" x 90° | 3 | 25.5 | | 45 | 64 | 82 | 160 | | | M20 | 12.2 |
| DURO-NCE 400 | SFG 315 | 0157103 | MT* | 2 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | SFGL 315 | 0157123 | MT* | 2 | 26 | 12 | 32 | | 43 | 160 | | 54 | M12x1,5 | 4 |
| | SFG-V 315 ¹³⁾ | 0157153 | MT* | 2 | 26 | 12 | 32 | | 46 | 125 | | 54 | M12x1,5 | 3.1 |
| | STB 315-2 | 0156103 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| DURO 500 DURO-NC 500 DURO-NCE 500 | SFG 400 | 0157104 | MT* | 2 | 30 | 18 | 45 | | 51 | 160 | | 60 | M16x1.5 | 7.2 |
| | SFGL 400 | 0157124 | MT* | 2 | 30 | 18 | 45 | | 51 | 200 | | 60 | M16x1.5 | 8.6 |
| | STB 400-1 | 0156104 | 1/16" x 90° | 3 | 21 | | 45 | 54 | 80 | 160 | | | M16 | 12 |
| | STB 400-2 | 0156105 | 3/32" x 90° | 3 | 25.5 | | 45 | 64 | 82 | 160 | | | M20 | 12.2 |
| DURO 630 DURO-NC 630 | SFG 630 | 0157106 | MT* | 2 | 40 | 24 | 65 | | 58 | 230 | | 82 | M20 | 17.1 |
| | SFG 630-400 | 0157109 | MT* | 2 | 30 | 18 | 65 | | 58 | 230 | | 60 | M16x1.5 | 16.2 |

* MT = Metrischer Kreuzversatz
13) 1/2 Zahnversatz

* MT = Metric tongue and groove
13) 1/2 Tooth pitch

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

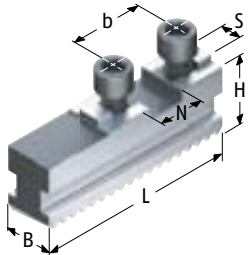
 For suitable jaw mounting spare screws see catalog chapter "Accessories".

Gerade Verzahnung

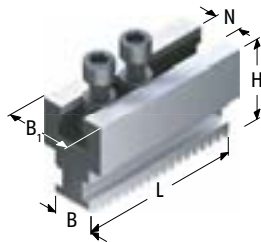
- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben (außer Type EWB-TG)

Straight serration

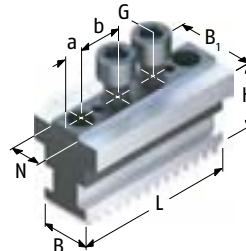
- Base Jaws for Top Jaws
- Hardened and precision ground
- Delivery unit: 1 set = 3 pieces
- Including screws (except t type EWB-TG)



Ausführung 1 | Version 1



Ausführung 2 | Version 2




Ausführung 3 | Version 3

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set |
|--------------------------|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|----------------|
| DURO-NCES 175 | GBK 160 | 0159106 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 65 | | 32 | M8 | 0.6 |
| | GBK-V 160 ¹³⁾ | 0159156 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 65 | | 32 | M8 | 0.6 |
| DURO-NCES 200 | GBK 200 | 0159100 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | GBKL 200 | 0159120 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 105 | | 40 | M8 | 1.2 |
| | GBK-V 200 ¹³⁾ | 0159150 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | STB-G 200-1 | 0160655 | 1/16" x 90° | 2 | 17 | | 22 | 45 | 56 | 85 | | | M12 | 3 |
| | STNJ 200-5 | 0160650 | 1,5mm x 60° | 3 | 14 | | 22 | 40 | 47 | 95 | 10 | 25 | M12 | 2.6 |
| DURO-NCES 250 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STB-G 250-2 | 0160657 | 1/16" x 90° | 2 | 21 | | 26 | 50 | 68 | 104 | | | M16 | 5.2 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 3 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 3 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| | STNJ 250-5 | 0160651 | 1,5mm x 60° | 3 | 16 | | 26 | 40 | 47 | 110 | 10 | 30 | M12 | 2.9 |
| DURO-NCES 315 | GBK 315 | 0159102 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | GBKL 315 | 0159122 | MT* | 1 | 20 | 12 | 32 | | 43 | 137 | | 40 | M12 | 3.5 |
| | GBK-V 315 ¹³⁾ | 0159152 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | STB-G 315-2 | 0160659 | 1/16" x 90° | 2 | 21 | | 32 | 54 | 75 | 115 | | | M16 | 7.5 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 3 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 3 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 3 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| DURO-NCES 400 | GBK 400 | 0159103 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |
| | GBK-V 400 ¹³⁾ | 0159158 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |

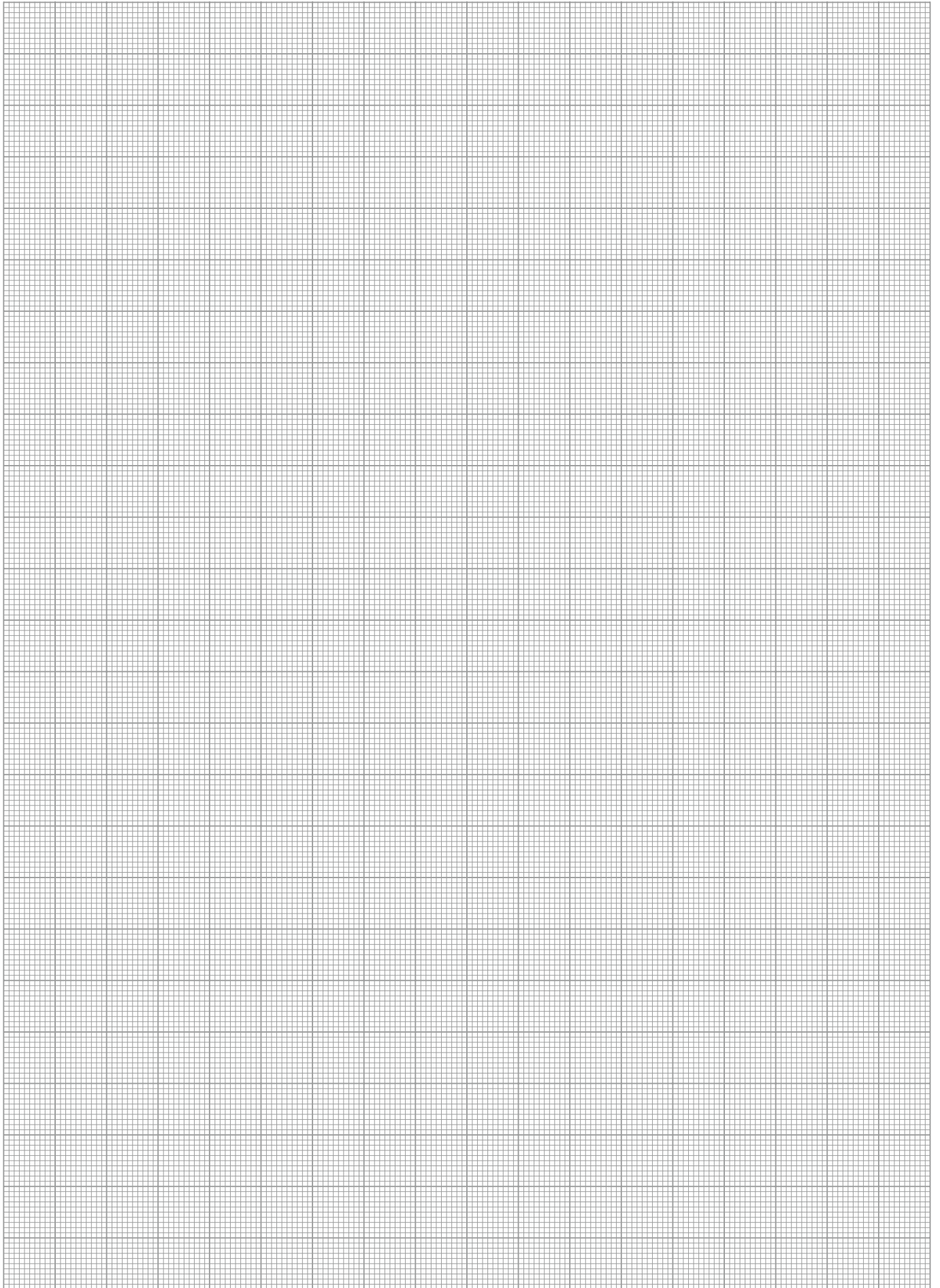
* MT = Metrischer Kreuzversatz
13) 1/2 Zahnversatz

* MT = Metric tongue and groove
13) 1/2 Tooth pitch

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

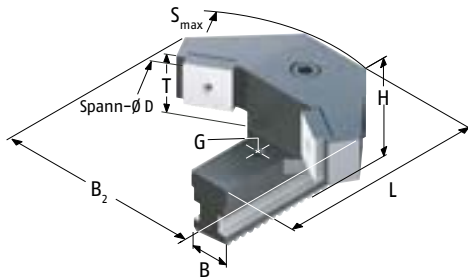
 For suitable jaw mounting spare screws see catalog chapter "Accessories".

Notizen | Notes



Schräge Verzahnung

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke



Angled serration

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.

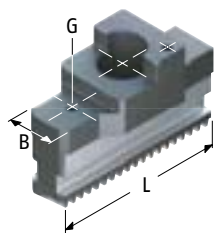
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|---|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| DURO 200 | 47 - 86 | 255 | PNK-S 200-2 | 0190651 | PT-FR 200-1 | 0191533 | PB 200-1 | 0192126 |
| | 48 - 138 | 273 | PNK-S 200-6 | 0190655 | PT-FR 200-2 | 0191534 | PB 200-3 | 0192128 |
| | 108 - 168 | 274 | PNK-S 200-8 | 0190657 | PT-FR 200-2 | 0191534 | PB 200-4 | 0192129 |
| DURO-NC 200 DURO-NCE 200 | 47 - 86 | 225 | PNK-S 200-2 | 0190651 | PT-FR 200-1 | 0191533 | PB 200-1 | 0192126 |
| | 78 - 138 | 273 | PNK-S 200-6 | 0190655 | PT-FR 200-2 | 0191534 | PB 200-3 | 0192128 |
| | 108 - 168 | 274 | PNK-S 200-8 | 0190657 | PT-FR 200-2 | 0191534 | PB 200-4 | 0192129 |
| DURO 250 DURO-NC 250 DURO-NCE 250 | 45 - 91 | 274 | PNK-S 250-2 | 0190551 | PT-FR 250-1 | 0191509 | PB 250-1 | 0192100 |
| | 89 - 117 | 293 | PNK-S 250-6 | 0190555 | PT-FR 250-1 | 0191509 | PB 250-3 | 0192102 |
| | 120 - 184 | 310 | PNK-S 250-8 | 0190557 | PT-FR 250-2 | 0191510 | PB 250-4 | 0192103 |
| | 128 - 197 | 314 | PNK-S 250-10 | 0190559 | PT-FR 250-2 | 0191510 | PB 250-5 | 0192104 |
| DURO 315 DURO-NC 315 | 113 - 191 | 357 | PNK-S 400-1 | 0190568 | PT-FR 400-1 | 0191513 | PB 400-1 | 0192110 |
| | 185 - 263 | 460 | PNK-S 400-3 | 0190570 | PT-FR 400-2 | 0191514 | PB 400-2 | 0192111 |
| DURO 400 DURO-NC 400 | 120 - 202 | 470 | PNK-S 500-1 | 0190574 | PT-FR 500-1 | 0191515 | PB 400-1 | 0192110 |
| | 220 - 287 | 482 | PNK-S 500-5 | 0190578 | PT-FR 500-2 | 0191516 | PB 400-2 | 0192111 |
| | 254 - 349 | 519 | PNK-S 500-7 | 0190580 | PT-FR 500-2 | 0191516 | PB 400-3 | 0192112 |
| DURO-NCE 400 | 184 - 201 | 364 | PNK-S 400-1 | 0190568 | PT-FR 400-1 | 0191513 | PB 400-1 | 0192110 |
| | 257 - 287 | 482 | PNK-S 400-3 | 0190570 | PT-FR 400-2 | 0191514 | PB 400-2 | 0192111 |
| | 287 - 351 | 512 | PNK-S 400-5 | 0190572 | PT-FR 400-2 | 0191514 | PB 400-3 | 0192112 |

Bei Kraftspannfuttern können Spannlücken entstehen. Um diese Spannlücken zu überbrücken sind im Lieferumfang 2 verschiedene Spanneinsätze enthalten.

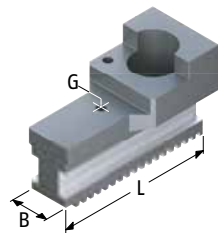
If pendulum jaws are used on power lathe chucks, gaps may occur. For covering these gaps, we are supplying 2 different clamping inserts, which belong to the scope of delivery.

 Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.

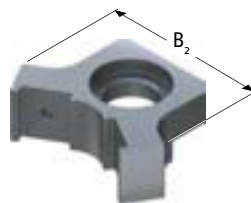
 For suitable hard and soft clamping inserts see catalog chapter "Accessories".



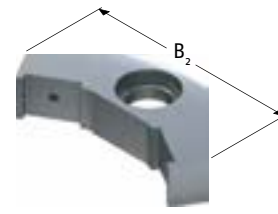
PT-FR / PT-S ...-1



PT-FR / PT-S ...-2 - 4

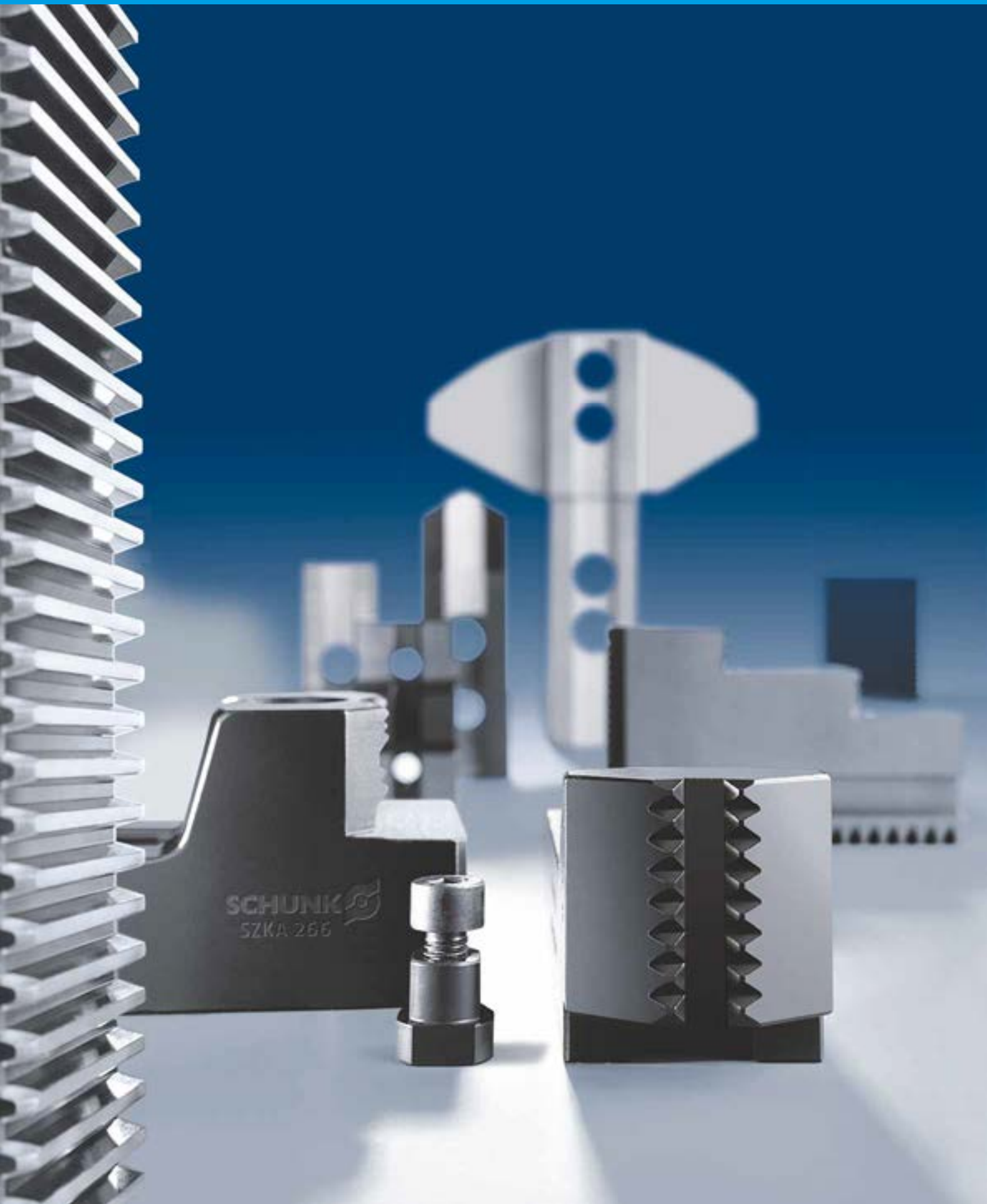


PB ...-1



PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | Spanneinsatz Clamping insert | ID | B | B2 | H [mm] | L [mm] | T [mm] | G | m/Stück m/piece [kg] |
|---------------------------------|---------|---------------------------------|---------|----|-----|-----------|-----------|-----------|----|----------------------------|
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.3 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.7 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 2 |
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.3 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.7 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 2 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 2.4 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.7 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.6 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 145 | 83 | 104 | 40 | M6 | 2.7 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 32 | 150 | 99 | 125 | 50 | M8 | 3.7 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 32 | 205 | 99 | 165 | 50 | M8 | 5.5 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 45 | 150 | 118 | 167 | 50 | M8 | 5.4 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 205 | 118 | 180 | 50 | M8 | 8.2 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 45 | 240 | 118 | 180 | 50 | M8 | 8.4 |
| SP 400-1 | 0194108 | SP 400-2 | 0194109 | 32 | 150 | 99 | 125 | 50 | M8 | 3.7 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 32 | 205 | 99 | 165 | 50 | M8 | 5.5 |
| SP 400-3 | 0194110 | SP 400-4 | 0194111 | 32 | 240 | 99 | 165 | 50 | M8 | 5.7 |



SCHUNK
SZKA 266



SAMCHULLY Spannbacken

SAMCHULLY Chuck Jaws

Spitzverzahnung Seite

| Rohteilspannung | | |
|---------------------------|--|-----|
| Harte Stufenaufsatzbacken | Außenspannung | 513 |
| | Innenspannung | 513 |
| Harte Krallenbacken | Außenspannung | 515 |
| | Innenspannung | 520 |
| | Stangenspannung | 524 |
| Pendelbacken | Außenspannung, mit harten Spanneinsätzen | 530 |

| Fertigteilspannung | | |
|-----------------------------|---|-----|
| Weiche Aufsatzbacken | Universell | 502 |
| Weiche Segmentaufsatzbacken | Universell | 506 |
| Backenrohlinge | Gebohrt | 500 |
| | Ungebohrt | 500 |
| Pendelbacken | Außenspannung, mit weichen Spanneinsätzen | 530 |
| Quentes | Außenspannung | 528 |

| Deformationsarmes Spannen | | |
|-----------------------------|---------------|-----|
| Pendelbacken | Außenspannung | 530 |
| Weiche Segmentaufsatzbacken | | 506 |
| Quentes | Außenspannung | 528 |

| Schnellwechsel | | |
|-----------------------------|---------------|-----|
| Backen-Schnellwechselsystem | Außenspannung | 526 |

| Nutensteine | | |
|-------------|--|-----|
| Nutensteine | | 532 |

Zubehör ab Seite 694

Fine Serration Page

| Raw part clamping | | |
|-----------------------|--|-----|
| Hard stepped top jaws | O.D. clamping | 513 |
| | I.D. clamping | 513 |
| Hard claw jaws | O.D. clamping | 515 |
| | I.D. clamping | 520 |
| | Bar clamping | 524 |
| Pendulum jaws | O.D. clamping with hard clamping inserts | 530 |

| Finished parts clamping | | |
|-------------------------|--|-----|
| Soft top jaws | universally | 502 |
| Soft full grip top jaws | universally | 506 |
| Jaw blanks | with bolt holes | 500 |
| | without bolt holes | 500 |
| Pendulum jaws | O.D. clamping with soft clamping inserts | 530 |
| Quentes | O.D. clamping | 528 |

| Low-deformation clamping | | |
|--------------------------|---------------|-----|
| Pendulum jaws | O.D. clamping | 530 |
| Soft full grip top jaws | | 506 |
| Quentes | O.D. clamping | 528 |

| Quick change | | |
|-------------------------|---------------|-----|
| Jaw quick-change system | O.D. clamping | 526 |

| T-nuts | | |
|--------|--|-----|
| T-nuts | | 532 |

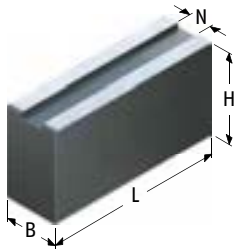
Available accessories from page 694

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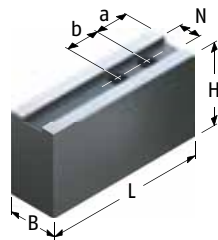
Backenrohlinge | Jaw Blanks

Spitzverzahnung 1,5 mm x 60°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1,5 mm x 60°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| HC 04 HCL 04 HCT 04 HC 05 HS 05 | SBMJ 50 | 0132149 | 0133149 | 10 | 22 | 47 | 55 | 8 | 14 | M8 | 0.4 |
| HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206 | SBMJ 70 | 0132150 | 0133150 | 12 | 35 | 60 | 80 | 12 | 20 | M10 | 1.3 |
| HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208 | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 |
| | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 |
| | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 |
| | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 |
| | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 |
| | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10 | JBM 100 | 0114412 | 0114442 | 16 | 40 | 80 | 120 | 13 | 30 | M12 | 3 |
| | JBM 101 | 0114410 | 0114440 | 16 | 40 | 60 | 90 | 13 | 30 | M12 | 1.6 |
| | JBM 102 | 0114411 | 0114441 | 16 | 40 | 60 | 110 | 13 | 30 | M12 | 2.1 |
| | JBM 103 | 0114413 | 0114443 | 16 | 40 | 100 | 110 | 13 | 30 | M12 | 3.4 |
| | JBM 104 | 0114414 | 0114444 | 16 | 50 | 120 | 110 | 13 | 30 | M12 | 5 |
| | JBM 105 | 0114415 | 0114445 | 16 | 60 | 60 | 95 | 13 | 30 | M12 | 2.7 |
| | JBM 106 | 0114416 | 0114446 | 16 | 60 | 90 | 95 | 13 | 30 | M12 | 4 |
| | JBM 107 | 0114417 | 0114447 | 16 | 80 | 60 | 95 | 13 | 30 | M12 | 3.5 |



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


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Backenrohlinge | Jaw Blanks

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|-------------------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| MH 212 HS 12 HSF 12 HSL 12 | JBM 120 | 0114420 | 0114450 | 21 | 50 | 60 | 130 | 15 | 30 | M16 | 3.1 |
| | JBM 121 | 0114421 | 0114451 | 21 | 50 | 80 | 130 | 15 | 30 | M16 | 4.1 |
| | JBM 122 | 0114422 | 0114452 | 21 | 50 | 120 | 130 | 15 | 30 | M16 | 6 |
| | JBM 123 | 0114423 | 0114453 | 21 | 60 | 150 | 130 | 15 | 30 | M16 | 8.8 |
| | JBM 124 | 0114424 | 0114454 | 21 | 80 | 80 | 130 | 15 | 30 | M16 | 6.2 |

 Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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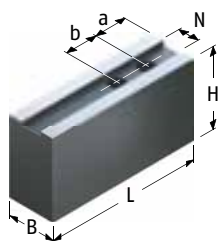
Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1,5 mm x 60°

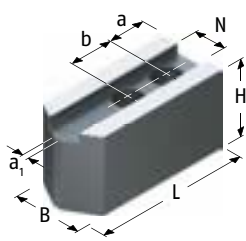
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

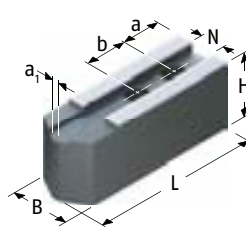
- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*



Ausführung 3 | *Version 3*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| HC 04 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| HCH 04 | KM-WB 44 | 0132101 | 2 | 8 | 20 | 40 | 48 | 4 | 8 | 15 | M6 | 0.7 |
| HCL 04 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| HC 05 | KM-WB 56 | 0132137 | 2 | 10 | 22 | 47 | 55 | 4 | 10 | 19 | M8 | 1 |
| HS 05 | KM-WB 45 | 0132102 | 2 | 10 | 25 | 32 | 55 | 4 | 13 | 14 | M8 | 0.8 |
| | KM-WB 46 | 0132103 | 2 | 10 | 22 | 47 | 55 | 4 | 13 | 14 | M8 | 1 |
| HC 06 | KM-WB 61 | 0130128 | 1 | 12 | 35 | 60 | 72 | | 15 | 20 | M10 | 2.9 |
| HCH 06 | KM-WB 66 | 0132138 | 1 | 12 | 32 | 32 | 72 | | 15 | 20 | M10 | 1.4 |
| HCL 06 | | | | | | | | | | | | |
| MH 206 | KM-WBL 60 | 0132600 | 3 | 12 | 32 | 32 | 82 | 4 | 15 | 20 | M10 | 1.5 |
| HS 06 | | | | | | | | | | | | |
| HSL 06 | KM-WBL 62 | 0132606 | 3 | 12 | 35 | 60 | 82 | 4 | 15 | 20 | M10 | 3.6 |
| HC 08 HCH 08 HCL 08 MH 208 HS 08 HSL 08 | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 |
| | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 |
| | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 |
| | KM-WBL 80 | 0132601 | 3 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 |
| | KM-WBL 81 | 0132607 | 3 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 |
| | KM-WBL 82 | 0132615 | 3 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 |
| HC 10 HCH 10 HCL 10 MH 210 HS 10 HSL 10 | KM-WB 102 | 0132104 | 1 | 16 | 40 | 60 | 90 | | 15 | 30 | M12 | 4.3 |
| | KM-WB 103 | 0132105 | 1 | 16 | 40 | 60 | 110 | | 30 | 30 | M12 | 5.2 |
| | KM-WB 104 | 0132106 | 1 | 16 | 50 | 80 | 90 | | 15 | 30 | M12 | 7.3 |
| | KM-WB 105 | 0132129 | 1 | 16 | 40 | 80 | 110 | | 30 | 30 | M12 | 7.2 |
| | KM-WB 106 | 0132152 | 1 | 16 | 40 | 100 | 120 | | 30 | 30 | M12 | 9.9 |
| | KM-WB 110 | 0132140 | 1 | 16 | 40 | 42 | 110 | | 30 | 30 | M12 | 3.8 |
| | KM-WB 111 | 0132147 | 1 | 16 | 50 | 50 | 120 | | 30 | 30 | M12 | 6.2 |
| | KM-WBL 100 | 0132602 | 3 | 16 | 40 | 42 | 125 | 4 | 30 | 30 | M12 | 4.1 |
| | KM-WBL 101 | 0132608 | 3 | 16 | 40 | 100 | 125 | 4 | 30 | 30 | M12 | 9.8 |
| KM-WBL 103 | 0132609 | 3 | 16 | 40 | 60 | 125 | 4 | 30 | 30 | M12 | 5.7 | |

Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| HC 12 HCH 12 HCL 12 | KM-WB 121 | 0132107 | 1 | 18 | 50 | 50 | 130 | | 40 | 30 | M14 | 6.8 |
| | KM-WB 123 | 0132109 | 1 | 18 | 50 | 80 | 130 | | 40 | 30 | M14 | 10.5 |
| | KM-WB 125 | 0132130 | 1 | 18 | 50 | 120 | 130 | | 40 | 30 | M14 | 15.9 |
| | KM-WBL 120 | 0132603 | 3 | 18 | 50 | 50 | 145 | 10 | 30 | 30 | M14 | 7 |
| | KM-WBL 123 | 0132617 | 3 | 18 | 50 | 100 | 145 | 10 | 30 | 30 | M14 | 14.5 |
| MH 212 HS 12 HSL 12 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 3 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| | KM-WBL 125 | 0132618 | 3 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| HC 15 HCH 15 ¹⁾ HC 18 ¹⁾ HCH 18 ¹⁾ | KM-WB 153 | 0132132 | 1 | 22 | 60 | 80 | 165 | | 37 | 43 | M20 | 16.1 |
| | KM-WB 155 | 0132156 | 1 | 22 | 60 | 120 | 165 | | 37 | 43 | M20 | 24.2 |
| | KM-WBL 150 | 0132605 | 3 | 22 | 60 | 60 | 185 | 10 | 30 | 43 | M20 | 12.6 |

1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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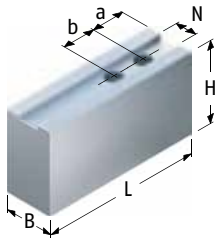
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HC 06 HCH 06 HCL 06 MH 206 HS 06 HSL 06 | KM-WBAL 70 | 0132521 | 12 | 35 | 50 | 72 | 15 | 20 | M10 | 0.9 |
| HC 08 HCH 08 HCL 08 MH 208 HS 08 HSL 08 | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 |
| HC 10 HCH 10 HCL 10 MH 210 HS 10 HSL 10 | KM-WBAL 100 | 0132523 | 16 | 40 | 60 | 110 | 25 | 30 | M12 | 1.9 |
| HC 12 HCH 12 HCL 12 | KM-WBAL 120 | 0132524 | 18 | 50 | 80 | 130 | 40 | 30 | M14 | 3.8 |
| MH 212 HS 12 HSL 12 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| HC 15 HCH 15 ¹¹⁾ HC 18 ¹¹⁾ HCH 18 ¹¹⁾ | KM-WBAL 150 | 0132526 | 22 | 60 | 80 | 145 | 30 | 43 | M20 | 5.1 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



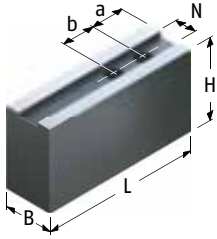
For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 3,0 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3,0 mm x 60°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|------|
| MH 218 | KM-WB 160 | 0132134 | 22 | 60 | 80 | 150 | 45 | 50 | M20 | 13.8 | |
| HC 21 ¹¹⁾ | KM-WB 160 | 0132134 | 22 | 60 | 80 | 150 | 45 | 50 | M20 | 13.8 | |
| | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 | |
| | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 | |
| | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 | |
| HCH 21 ¹¹⁾ MH 221 | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 | |
| | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 | |
| | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 | |
| HC 24 ¹¹⁾ | KM-WB 160 | 0132134 | 22 | 60 | 80 | 150 | 45 | 50 | M20 | 13.8 | |
| | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 | |
| | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 | |
| | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 | |
| HCH 24 ¹¹⁾ MH 224 | KM-WB 211 | 0132114 | 25 | 80 | 80 | 195 | 50 | 60 | M20 | 26.3 | |
| | KM-WB 213 | 0132155 | 25 | 75 | 115 | 180 | 50 | 60 | M20 | 31.7 | |
| | KM-WB 214 | 0132200 | 25 | 75 | 155 | 180 | 50 | 60 | M20 | 42.9 | |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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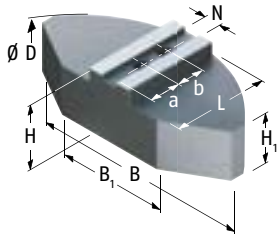
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|--------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HC 06 HCH 06 HCL 06 MH 206 HS 06 HSL 06 | KMWB-SM 165 | 0132700 | 12 | 119 | 50 | 160 | 50 | 40 | 60 | 25 | 20 | M10 | 4.9 |
| HC 08 HCH 08 HCL 08 MH 208 HS 08 HSL 08 | KMWB-SM 210 KMWB-SM 211 | 0132701 0132705 | 14 | 140 | 70 | 200 | 60 80 | 50 70 | 70 | 30 | 25 | M12 | 8.8 11.7 |
| HC 10 HCH 10 HCL 10 MH 210 HS 10 HSL 10 | KMWB-SM 250 KMWB-SM 251 | 0132702 0132706 | 16 | 180 | 100 | 250 | 60 80 | 45 70 | 80 | 30 | 30 | M12 | 12 18.5 |
| HC 12 HCH 12 HCL 12 | KMWB-SM 300 | 0132703 | 18 | 240 | 120 | 300 | 70 | 55 | 110 | 40 | 30 | M14 | 26.6 |
| MH 212 HS 12 HSL 12 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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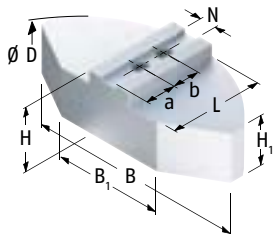
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|--------------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HC 06 HCH 06 HCL 06 MH 206 HS 06 HSL 06 | KMWB-SA 165 | 0132800 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 2.2 |
| HC 08 HCH 08 HCL 08 MH 208 HS 08 HSL 08 | KMWB-SA 210 KMWB-SA 211 | 0132801 0132805 | 14 | 140 | 50 | 200 | 58 80 | 48 70 | 72.5 | 35 | 25 | M12 | 3.3 4.5 |
| HC 10 HCH 10 HCL 10 MH 210 HS 10 HSL 10 | KMWB-SA 250 KMWB-SA 251 | 0132802 0132806 | 16 | 180 | 70 | 250 | 58 80 | 43 65 | 87.5 | 40 | 30 | M12 | 4.7 6.6 |
| HC 12 HCH 12 HCL 12 | KMWB-SA 300 | 0132803 | 18 | 240 | 80 | 320 | 78 | 63 | 117 | 40 | 30 | M14 | 10.5 |
| MH 212 HS 12 HSL 12 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



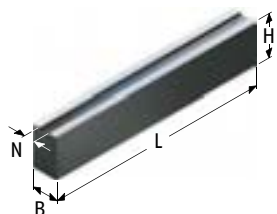
For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| HC 04 HCL 04 HCT 04 HC 05 HS 05 | JBM-ST 100 | 0114500 | 10 | 32 | 32 | 420 | 3.1 |
| HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208 | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 |
| | | | | | | | |
| | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 |
| HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10 | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 |
| | JBM-ST 161 | 0114531 | 16 | 40 | 120 | 420 | 15.4 |
| | | | | | | | |
| | JBM-ST 162 | 0114532 | 16 | 60 | 60 | 420 | 11.4 |
| MH 212 HS 12 HSF 12 HSL 12 | JBM-ST 210 | 0114540 | 21 | 50 | 80 | 420 | 12.7 |
| | JBM-ST 211 | 0114541 | 21 | 60 | 120 | 420 | 23.2 |



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SAMCHULLY

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| HC 15 HCH 15 ¹¹⁾ HC 18 ¹¹⁾ HCH 18 ¹¹⁾ | JBM-ST 220 | 0114550 | 22 | 60 | 120 | 420 | 23.2 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SAMCHULLY

Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| HC 04 HCL 04 HCT 04 HC 05 HS 05 | JBM-STA 100 | 0114501 | 10 | 30 | 40 | 420 | 1.3 |
| HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10 | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| MH 212 HS 12 HSF 12 HSL 12 | JBM-STA 210 | 0114542 | 21 | 50 | 80 | 420 | 4.6 |



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SAMCHULLY

Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*


Spitzverzahnung 1,5 mm x 60°


Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| HC 15 HCH 15 ¹¹⁾ HC 18 ¹¹⁾ HCH 18 ¹¹⁾ | JBM-STA 220 | 0114552 | 22 | 60 | 100 | 420 | 7 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!

 Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

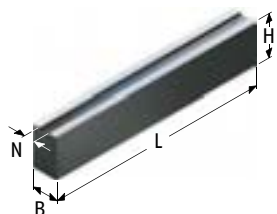
 For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

SAMCHULLY

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 3,0 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3,0 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| HC 21 ¹⁾ HCH 21 ¹⁾ MH 221 | JBM-ST 250 | 0114180 | 25 | 80 | 80 | 420 | 20.3 |
| HC 24 ¹⁾ HCH 24 ¹⁾ MH 224 | JBM-ST 251 | 0114181 | 25 | 75 | 115 | 420 | 27.8 |

1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



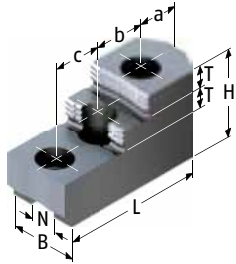
For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SAMCHULLY

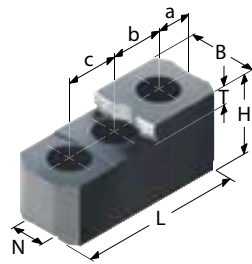
Harte Stufenaufsatzbacken | Hard Stepped Top Jaws

Spitzverzahnung 1,5 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Fine serration 1,5 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|----------------------------|---------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| HC 06 HCH 06 HCL 06 MH 206 HS 06 HSL 06 | SHB-J 60 ⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| HC 08 HCH 08 HCL 08 MH 208 HS 08 HSL 08 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| | SHB-J 82 ⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| HC 10 HCH 10 HCL 10 MH 210 HS 10 HSL 10 | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| HC 12 HCH 12 HCL 12 | SHB-J 123 | 0133103 | 1 | 18 | 50 | 62 | 106 | 15 | 26 | 30 | 30 | M14 | 4.2 |
| MH 212 HS 12 HSL 12 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| HC 15 HCH 15 ¹¹⁾ HC 18 ¹¹⁾ HCH 18 ¹¹⁾ | SHB-J 150 | 0133114 | 1 | 22 | 60 | 86 | 143 | 20 | 27 | 43 | 43 | M20 | 9 |

7) Gewichtserleichterte Ausführung für max. Drehzahlen.

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutzensteine verwenden.

7) Reduced weight for higher RPM's.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutzensteine finden Sie ab Seite 532.



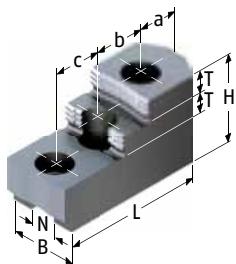
For suitable T-nuts see page 532.

SAMCHULLY

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 3,0 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3,0 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|------|
| MH 218 HC 21 ¹¹⁾ HCH 21 ¹¹⁾ MH 221 HC 24 ¹¹⁾ HCH 24 ¹¹⁾ MH 224 | SHB-J 152 | 0133106 | 22 | 60 | 75 | 144.5 | 17.5 | 66 | 50 | M20 | 9.8 | |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

SHB-J 152 hat 2 Befestigungsbohrungen.

11) Please control the slot width and if necessary please use stepped T-nuts!

SHB-J 152 with 2 mounting holes.



Passende Nutensteine finden Sie ab Seite 532.



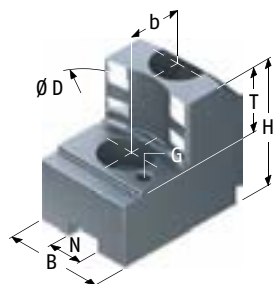
For suitable T-nuts see page 532.

SAMCHULLY

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HC 06 | 31 – 46 | 166 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 46 – 61 | 166 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 62 – 77 | 166 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 77 – 93 | 166 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 93 – 107 | 166 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HCH 06 | 28 – 49 | 169 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 36 – 64 | 169 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 52 – 81 | 169 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 66 – 94 | 169 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 82 – 111 | 169 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HCL 06 | 35 – 51 | 171 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 50 – 66 | 171 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 66 – 82 | 171 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 80 – 96 | 171 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 96 – 112 | 171 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| MH 206 | 41 – 67 | 172 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 – 83 | 172 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 – 97 | 172 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 – 113 | 172 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HS 06 | 41 – 67 | 172 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 – 83 | 172 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 – 97 | 172 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 – 113 | 172 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |

Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

SAMCHULLY

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HSL 06 | 28 - 54 | 174 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 41 - 70 | 174 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 57 - 86 | 174 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 71 - 100 | 174 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 87 - 116 | 174 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HC 08 | 41 - 65 | 211 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 68 - 93 | 211 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 99 - 123 | 211 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 129 - 153 | 211 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 151 - 175 | 231 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HCH 08 | 30 - 62 | 210 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 55 - 89 | 210 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 85 - 120 | 210 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 115 - 150 | 210 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 136 - 172 | 228 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HCL 08 | 37 - 65 | 212 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 65 - 93 | 212 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 95 - 123 | 212 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 125 - 154 | 212 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 147 - 176 | 232 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| MH 208 | 36 - 65 | 211 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 63 - 92 | 211 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 93 - 123 | 211 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 124 - 153 | 211 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 145 - 174 | 231 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HS 08 | 36 - 65 | 211 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 63 - 92 | 211 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 93 - 123 | 211 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 124 - 153 | 211 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 145 - 174 | 231 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HSL 08 | 38 - 75 | 222 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 66 - 103 | 222 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 96 - 133 | 222 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 126 - 163 | 222 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 148 - 185 | 242 | SZAJ 20-16 | 0138143 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| HC 10 | 37 - 77 | 254 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 77 - 119 | 254 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 121 - 163 | 258 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 166 - 208 | 274 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 201 - 244 | 306 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |



Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SAMCHULLY

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HCH 10 | 37 - 78 | 255 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 78 - 120 | 255 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 122 - 164 | 259 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 167 - 209 | 275 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 202 - 244 | 307 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| HCL 10 | 37 - 81 | 258 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 75 - 123 | 258 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 119 - 167 | 262 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 199 - 248 | 310 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| MH 210 | 42 - 83 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 83 - 125 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 127 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 172 - 214 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 207 - 249 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| HS 10 | 42 - 83 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 83 - 125 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 127 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 172 - 214 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 207 - 249 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| HSL 10 | 38 - 90 | 268 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 79 - 132 | 268 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 123 - 177 | 272 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 168 - 222 | 288 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 203 - 254 | 316 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| HC 12 | 42 - 116 | 328 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 101 - 176 | 342 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 167 - 243 | 334 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 230 - 304 | 374 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| HCH 12 | 42 - 110 | 322 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 95 - 170 | 336 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 161 - 237 | 328 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 224 - 301 | 372 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| HCL 12 | 42 - 114 | 325 | SZAJ 30-1 | 0138124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.8 |
| | 101 - 173 | 339 | SZAJ 30-2 | 0138126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.1 |
| | 167 - 240 | 331 | SZAJ 30-3 | 0138128 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.4 |
| | 231 - 305 | 375 | SZAJ 30-4 | 0138130 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.8 |
| MH 212 | 47 - 111 | 322 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 107 - 171 | 336 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 173 - 238 | 328 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 237 - 302 | 372 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |



Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SAMCHULLY

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HS 12 | 47 - 111 | 322 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 107 - 171 | 336 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 173 - 238 | 328 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 237 - 302 | 372 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| HSL 12 | 43 - 122 | 334 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 103 - 182 | 348 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 169 - 249 | 339 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 233 - 304 | 373 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| HC 15 | 44 - 102 | 385 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 100 - 160 | 391 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 159 - 220 | 391 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 220 - 281 | 412 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 280 - 341 | 428 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 340 - 381 | 460 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| HCH 15 ¹¹⁾ | 41 - 101 | 384 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 104 - 159 | 390 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 164 - 219 | 390 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 224 - 280 | 411 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 284 - 340 | 427 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 344 - 381 | 460 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| HC 18 ¹¹⁾ | 101 - 162 | 446 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 157 - 220 | 452 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 219 - 280 | 452 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 280 - 342 | 473 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 340 - 402 | 489 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 400 - 450 | 529 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| HCH 18 ¹¹⁾ | 48 - 169 | 453 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 104 - 227 | 459 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 164 - 287 | 459 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 224 - 348 | 480 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 284 - 408 | 496 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 344 - 450 | 529 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



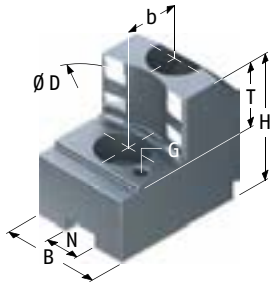
For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SAMCHULLY

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 3,0 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3,0 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HC 21 ¹⁾ | 134 - 273 | 530 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 261 - 402 | 556 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 388 - 530 | 620 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| HCH 21 ¹⁾ | 152 - 286 | 543 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 279 - 415 | 569 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 407 - 530 | 621 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| MH 221 | 178 - 283 | 540 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 306 - 412 | 566 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 433 - 530 | 620 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| HC 24 ¹⁾ | 210 - 351 | 608 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 338 - 480 | 634 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 466 - 608 | 698 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| HCH 24 ¹⁾ | 171 - 364 | 622 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 298 - 494 | 648 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 426 - 610 | 700 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |
| MH 224 | 193 - 363 | 621 | SZAJ 53-1 | 0138306 | 25 | 65 | 94 | 155 | 42 | M8 | 60 | M20 | 11.6 |
| | 321 - 493 | 647 | SZAJ 53-2 | 0138307 | 25 | 65 | 94 | 153 | 42 | M8 | 60 | M20 | 12.4 |
| | 449 - 610 | 700 | SZAJ 53-3 | 0138308 | 25 | 65 | 94 | 188 | 42 | M8 | 60 | M20 | 13.9 |

1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please control the slot width and if necessary please use stepped T-nuts!

Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

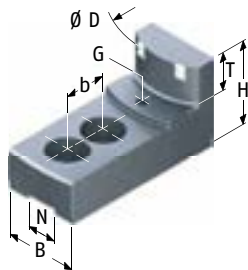
For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SAMCHULLY

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HC 08 | 57 - 80 | 214 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 86 - 110 | 214 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 116 - 140 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 145 - 170 | 220 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HCH 08 | 57 - 77 | 211 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 107 | 211 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 102 - 137 | 207 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 131 - 167 | 217 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HCL 08 | 57 - 80 | 215 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 82 - 110 | 215 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 112 - 140 | 211 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 142 - 170 | 221 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| MH 208 | 57 - 80 | 214 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 80 - 109 | 214 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 111 - 140 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 140 - 170 | 220 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HS 08 | 57 - 80 | 214 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 80 - 109 | 214 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 111 - 140 | 210 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 140 - 170 | 220 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HSL 08 | 57 - 90 | 225 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 83 - 120 | 225 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 113 - 150 | 221 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 143 - 180 | 231 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |

Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SAMCHULLY

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HC 10 | 60 - 94 | 255 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 93 - 134 | 255 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 130 - 171 | 254 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 163 - 206 | 261 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| HCH 10 | 60 - 95 | 256 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 94 - 135 | 256 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 130 - 172 | 254 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 164 - 206 | 262 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| HCL 10 | 60 - 98 | 259 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 138 | 259 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 128 - 176 | 258 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 162 - 210 | 266 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| MH 210 | 60 - 99 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 98 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 135 - 177 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 169 - 211 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| HS 10 | 60 - 99 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 98 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 135 - 177 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 169 - 211 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| HSL 10 | 60 - 107 | 269 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 94 - 147 | 269 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 131 - 185 | 265 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 165 - 219 | 275 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| HC 12 | 78 - 145 | 321 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 130 - 206 | 326 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 194 - 270 | 311 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 246 - 322 | 363 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| HCH 12 | 78 - 139 | 315 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 124 - 200 | 321 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 188 - 264 | 305 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 240 - 316 | 357 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| HCL 12 | 78 - 142 | 318 | SZIJ 30-9 | 0179122 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 5 |
| | 130 - 203 | 324 | SZIJ 30-10 | 0179124 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.6 |
| | 195 - 268 | 308 | SZIJ 30-11 | 0179126 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 3.6 |
| | 246 - 320 | 360 | SZIJ 30-12 | 0179127 | 18 | 50 | 65 | 25 | M8 | 30 | M14 | 4.5 |
| MH 212 | 78 - 139 | 315 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 136 - 201 | 322 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 200 - 265 | 305 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 252 - 317 | 357 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |

 Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SAMCHULLY

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HS 12 | 78 - 139 | 315 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 136 - 201 | 322 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 200 - 265 | 305 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 252 - 317 | 357 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| HSL 12 | 78 - 150 | 327 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 132 - 212 | 334 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 196 - 276 | 317 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 248 - 328 | 369 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| HC 15 | 99 - 157 | 381 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 153 - 213 | 386 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 208 - 268 | 381 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 277 - 338 | 391 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 337 - 398 | 441 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| HCH 15 ¹⁾ | 103 - 156 | 381 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 157 - 212 | 385 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 212 - 267 | 381 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 281 - 337 | 390 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 341 - 397 | 440 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| HC 18 ¹⁾ | 156 - 217 | 450 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 212 - 273 | 450 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 267 - 329 | 442 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 337 - 399 | 452 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 397 - 459 | 502 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| HCH 18 ¹⁾ | 103 - 224 | 450 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 157 - 280 | 454 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 212 - 336 | 450 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 281 - 406 | 459 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 341 - 466 | 509 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |

1) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

1) Please control the slot width and if necessary please use stepped T-nuts!



Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



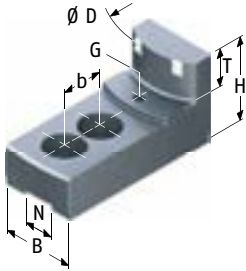
For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

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Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 3,0 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3,0 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HC 21 ¹¹⁾ | 149 - 289 | 544 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 280 - 421 | 550 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| HCH 21 ¹¹⁾ | 167 - 301 | 557 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 298 - 434 | 563 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| MH 221 | 193 - 298 | 552 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 325 - 431 | 560 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| HC 24 ¹¹⁾ | 225 - 366 | 622 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 357 - 499 | 628 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| HCH 24 ¹¹⁾ | 185 - 386 | 642 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 317 - 519 | 648 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |
| MH 224 | 208 - 379 | 635 | SZIJ 53-1 | 0179200 | 25 | 65 | 94 | 178 | 42 | M8 | 60 | M20 | 12.9 |
| | 340 - 512 | 641 | SZIJ 53-2 | 0179201 | 25 | 65 | 94 | 158 | 42 | M8 | 60 | M20 | 12 |

11) Bitte Nutbreite prüfen und ggf. abgesetzte Nutensteine verwenden.

11) Please control the slot width and if necessary please use stepped T-nuts!

Passende Nutensteine finden Sie ab Seite 532.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 532.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

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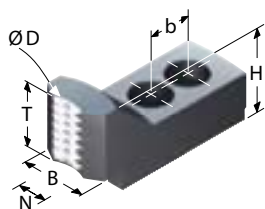
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HC 06 | 13 - 27 | 166 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| HCH 06 | 13 - 30 | 169 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| HCL 06 | 16 - 32 | 171 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| MH 206 | 12 - 33 | 172 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| HS 06 | 12 - 33 | 172 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| HSL 06 | 13 - 35 | 174 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| HC 08 | 20 - 43 | 215 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| HCH 08 | 17 - 40 | 212 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| HCL 08 | 17 - 44 | 216 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| MH 208 | 17 - 43 | 215 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| HS 08 | 17 - 43 | 215 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| HSL 08 | 18 - 53 | 226 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| HC 10 | 16 - 55 | 254 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| HCH 10 | 17 - 56 | 255 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| HCL 10 | 17 - 59 | 258 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| MH 210 | 20 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| HS 10 | 20 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| HSL 10 | 17 - 69 | 268 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| HC 12 | 20 - 89 | 312 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| HCH 12 | 20 - 83 | 306 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| HCL 12 | 20 - 86 | 309 | SZAJ-ST 30-1 | 0175510 | 18 | 50 | 50 | 43 | 30 | M14 | 3.5 |
| MH 212 | 22 - 84 | 306 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| HS 12 | 22 - 84 | 306 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| HSL 12 | 22 - 95 | 318 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |

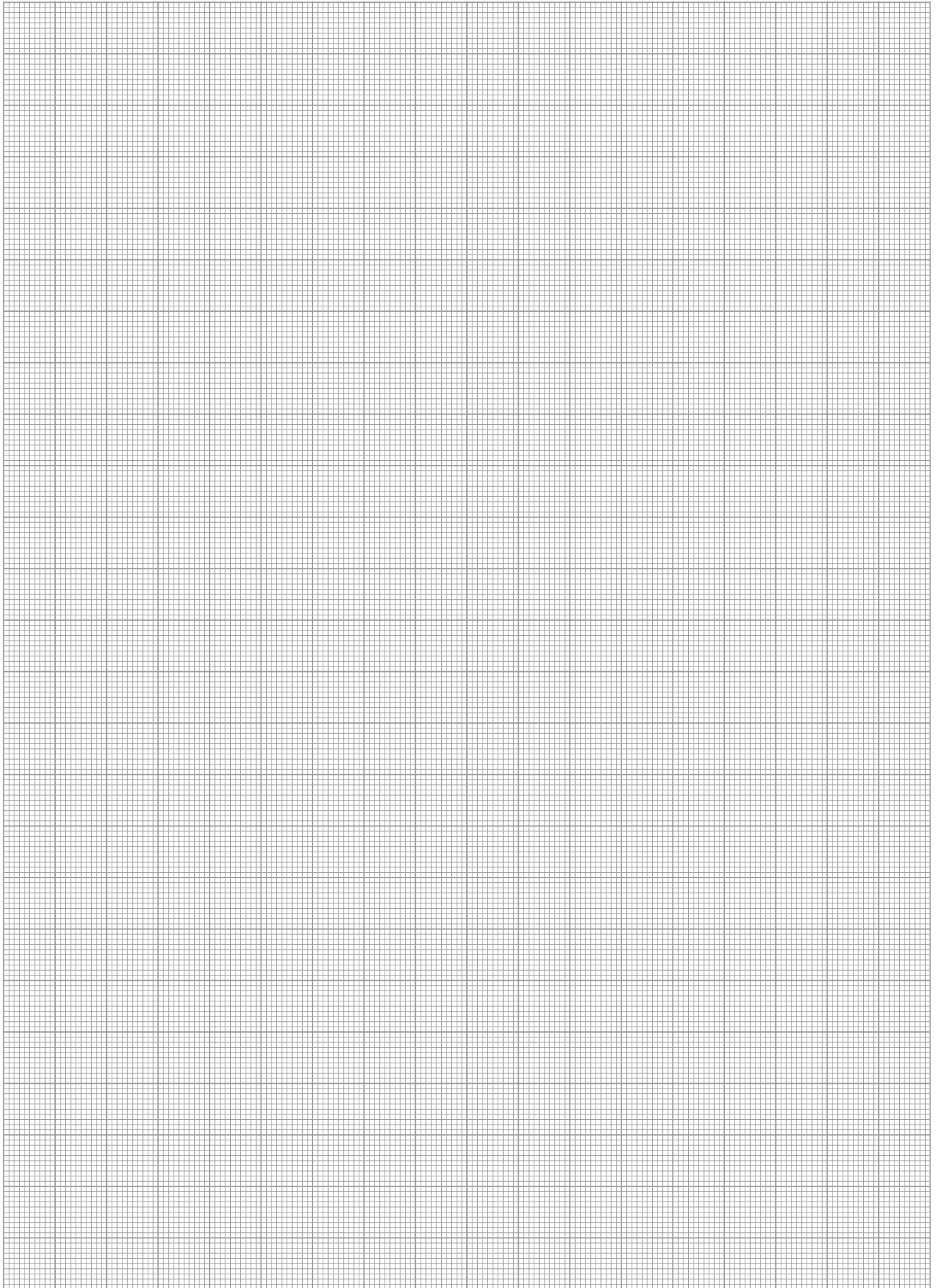


Passende Nutensteine finden Sie ab Seite 532.



For suitable T-nuts see page 532.

Notizen | Notes

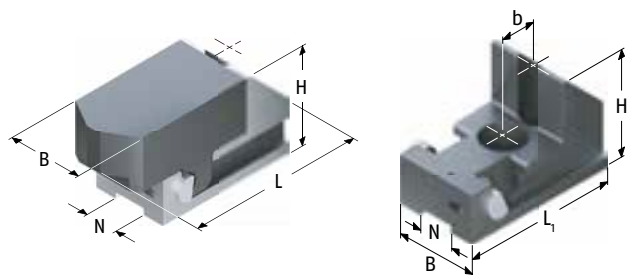


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Backen-Schnellwechselsystem | Jaw quick-change System

Spitzverzahnung 1,5 mm x 60°

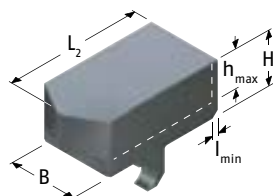
- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- max. Spannbereich durch Versetzen der Trägerbacke möglich



Schnellwechselbacke, komplett Ausführung 2 | Version 2
Quick Change Jaw, complete

Fine serration 1,5 mm x 60°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW
Soft insert BWW

| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Trägerbacke Support jaw | ID | Wechselbacke Soft insert | ID | Spannkraft Clamping force [kN] |
|------------------------------------|--|--|----------------------------|---------|-----------------------------|---------|--------------------------------------|
| HC 08 HCH 08 MH 208 HS 08 | 8 - 140 | 218 | BWTJ-K-210-14 | 0105210 | BWW 200 | 0105306 | 90 |
| HC 10 HCH 10 MH 210 HS 10 | 15 - 180 | 258 | BWTJ-K-250-16 | 0105211 | BWW 200 | 0105306 | 90 |
| HC 12 HCH 12 | 30 - 224 | 312 | BWTJ-K-305-18 | 0105212 | BWW 250 | 0105307 | 120 |
| MH 212 HS 12 | 25 - 222 | 310 | BWTJ-K-305-21 | 0105213 | BWW 250 | 0105307 | 120 |



Passende Nutensteine finden Sie ab Seite 532.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 532.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

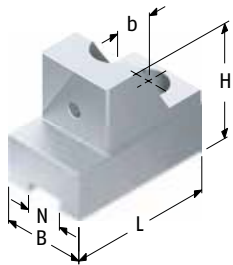
| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| 14 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 25 | M12 | 1.9 |
| 16 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 30 | M12 | 1.91 |
| 18 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M14 | 3.75 |
| 21 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M16 | 3.8 |

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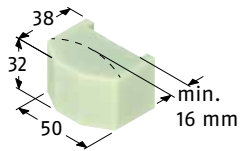
QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Spitzverzahnung 1,5 mm x 60°

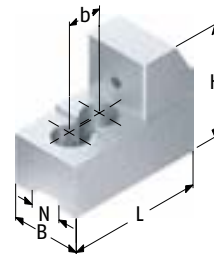
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung



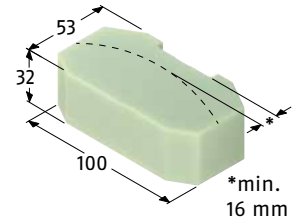
TRQ ...-1



QUENTES 10



TRQ ...-2



QUENTES 20

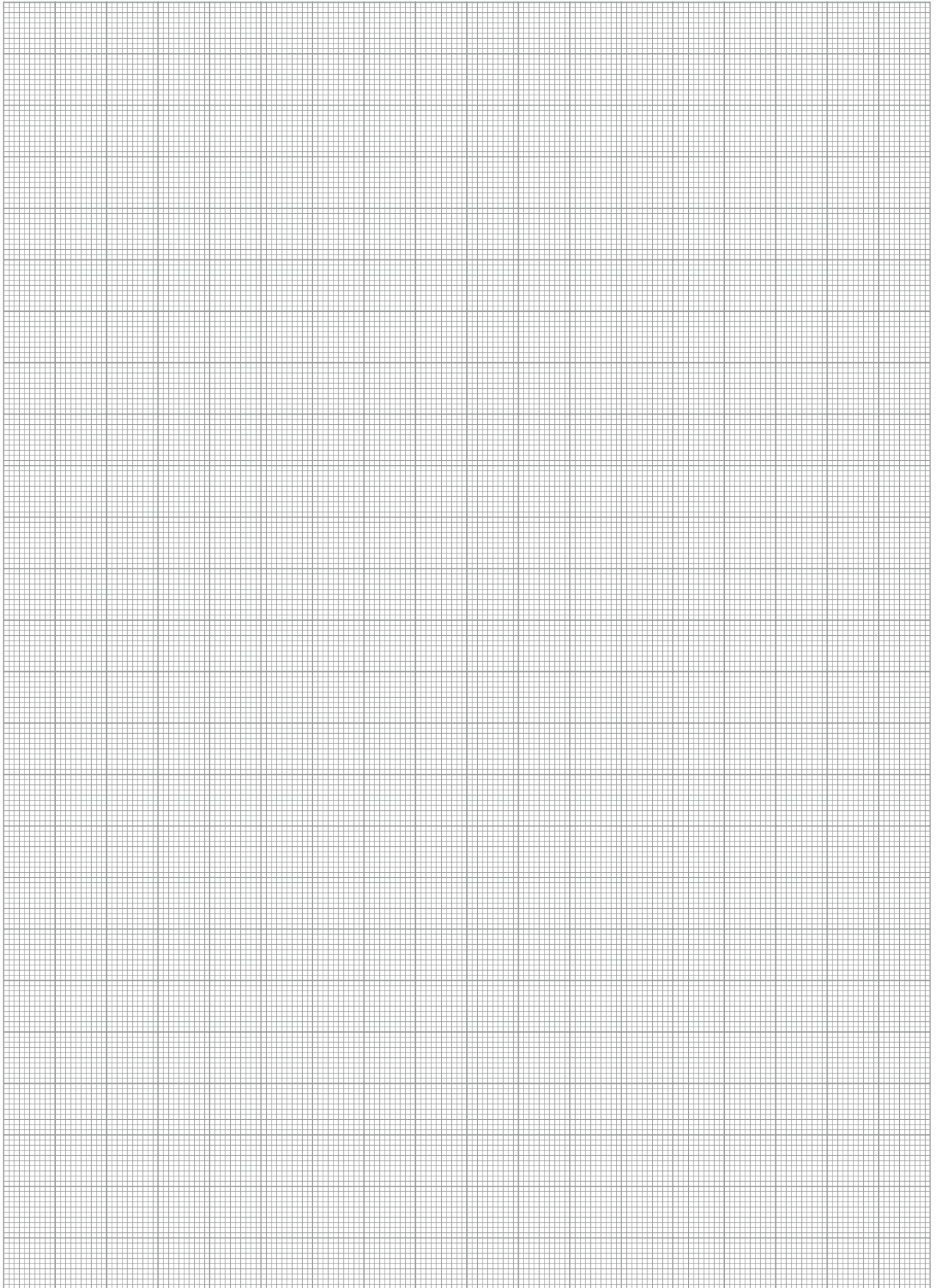
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|---------------------------------|---|-----------------------------------|---------|---|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|------|
| HC 06 HCH 06 | 20 – 47 | TRQJ 160-1 | 0150022 | QUENTES 10 | 0150100 | 12 | 40 | 55 | 65 | 20 | M10 | 0.6 |
| MH 206 | 20 – 34 | TRQJ 160-1 | 0150022 | QUENTES 10 | 0150100 | 12 | 40 | 55 | 65 | 20 | M10 | 0.6 |
| HS 06 | 20 – 47 | TRQJ 160-1 | 0150022 | QUENTES 10 | 0150100 | 12 | 40 | 55 | 65 | 20 | M10 | 0.6 |
| HC 08 HCH 08 | 20 – 65 | TRQJ 200-1 | 0150005 | QUENTES 10 | 0150100 | 14 | 40 | 55 | 76 | 25 | M12 | 0.77 |
| MH 208 HS 08 | 98 – 167 | TRQJ 200-2 | 0150006 | QUENTES 20 | 0150200 | 14 | 40 | 64 | 82 | 25 | M12 | 1 |
| HC 10 HCH 10 | 20 – 81 | TRQJ 250-1 | 0150007 | QUENTES 10 | 0150100 | 16 | 40 | 58 | 85 | 30 | M12 | 0.87 |
| MH 210 HS 10 | 127 – 175 | TRQJ 250-2 | 0150008 | QUENTES 20 | 0150200 | 16 | 40 | 67 | 92 | 30 | M12 | 1.15 |



Passende Nutensteine finden Sie ab Seite 532.

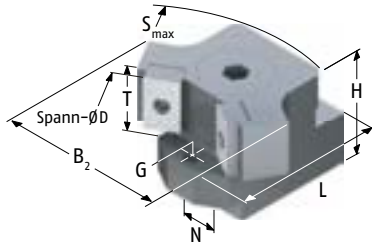


For suitable T-nuts see page 532.



Spitzverzahnung 1,5 mm x 60°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 1,5 mm x 60°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

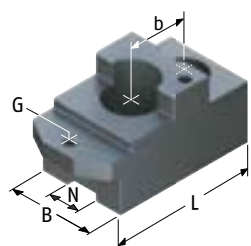
| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | SCHUNK-Type komplett complete | ID komplett complete | Trägerbacke Support jaw | ID | Pendelbrücke Pendulum body | ID |
|--------------------------|--|--|-------------------------------------|----------------------------|----------------------------|---------|-------------------------------|---------|
| HCH 08 | 61 - 75 | 213 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 92 - 107 | 235 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 122 - 137 | 235 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| MH 208 HS 08 | 57 - 74 | 210 | PNS-M 200-14-1 | 0160232 | PT 14-1 | 0160006 | PB 200-1 | 0192126 |
| | 88 - 105 | 232 | PNS-M 200-14-2 | 0160233 | PT 14-2 | 0160007 | PB 200-3 | 0192128 |
| | 118 - 135 | 232 | PNS-M 200-14-3 | 0160234 | PT 14-2 | 0160007 | PB 200-4 | 0192129 |
| HC 10 HCH 10 | 65 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 74 - 102 | 261 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 106 | 261 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 118 - 148 | 276 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 133 - 163 | 276 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| MH 210 HS 10 | 70 - 91 | 256 | PNS-M 250-16-1 | 0160218 | PT 16-1 | 0160000 | PB 250-1 | 0192100 |
| | 76 - 106 | 266 | PNS-M 250-16-2 | 0160219 | PT 16-1 | 0160000 | PB 250-2 | 0192101 |
| | 95 - 110 | 266 | PNS-M 250-16-3 | 0160220 | PT 16-1 | 0160000 | PB 250-3 | 0192102 |
| | 122 - 153 | 281 | PNS-M 250-16-4 | 0160221 | PT 16-2 | 0160001 | PB 250-4 | 0192103 |
| | 137 - 168 | 281 | PNS-M 250-16-5 | 0160222 | PT 16-2 | 0160001 | PB 250-5 | 0192104 |
| HC 12 HCH 12 | 68 - 112 | 291 | PNS-M 315-18-1 | 0160210 | PT 18-1 | 0160002 | PB 315-1 | 0192105 |
| | 105 - 144 | 312 | PNS-M 315-18-2 | 0160211 | PT 18-1 | 0160002 | PB 315-2 | 0192106 |
| | 146 - 202 | 330 | PNS-M 315-18-3 | 0160212 | PT 18-2 | 0160003 | PB 315-3 | 0192107 |
| | 163 - 213 | 332 | PNS-M 315-18-4 | 0160213 | PT 18-2 | 0160003 | PB 315-4 | 0192108 |
| MH 212 HS 12 | 79 - 112 | 291 | PNS-M 315-21-1 | 0160223 | PT 21-3 | 0160004 | PB 315-1 | 0192105 |
| | 105 - 139 | 306 | PNS-M 315-21-2 | 0160224 | PT 21-3 | 0160004 | PB 315-2 | 0192106 |
| | 156 - 202 | 325 | PNS-M 315-21-3 | 0160225 | PT 21-4 | 0160005 | PB 315-3 | 0192107 |
| | 163 - 208 | 326 | PNS-M 315-21-4 | 0160226 | PT 21-4 | 0160005 | PB 315-4 | 0192108 |



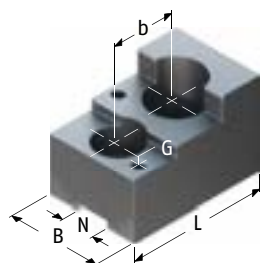
Passende Nutensteine finden Sie ab Seite 532.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



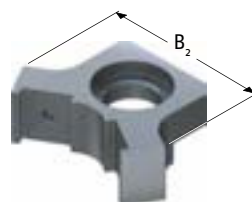
For suitable T-nuts see page 532.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



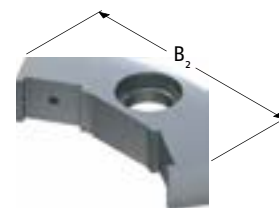
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

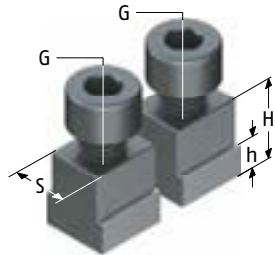
| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 200-2 | 0194141 | 14 | 40 | 80 | 55 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-6 | 0194145 | 14 | 40 | 102 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-6 | 0194145 | 14 | 40 | 130 | 55 | 69.5 | 30 | M6 | 30 | M12 | 1.6 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 250-2 | 0194101 | 16 | 50 | 85 | 64 | 90 | 35 | M6 | 32 | M12 | 2 |
| SP 250-2 | 0194101 | 16 | 50 | 97 | 64 | 90 | 35 | M6 | 32 | M12 | 1.9 |
| SP 250-2 | 0194101 | 16 | 50 | 103 | 64 | 90 | 35 | M6 | 32 | M12 | 2.4 |
| SP 250-4 | 0194103 | 16 | 50 | 131 | 64 | 75 | 35 | M6 | 32 | M12 | 2.3 |
| SP 250-4 | 0194103 | 16 | 50 | 145 | 64 | 75 | 35 | M6 | 32 | M12 | 2.35 |
| SP 315-2 | 0194105 | 18 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M14 | 2.4 |
| SP 315-2 | 0194105 | 18 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M14 | 2.45 |
| SP 315-4 | 0194107 | 18 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M14 | 2.65 |
| SP 315-4 | 0194107 | 18 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M14 | 3 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 68 | 97 | 35 | M6 | 34 | M16 | 2.35 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 68 | 97 | 35 | M6 | 34 | M16 | 2.45 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 68 | 75 | 35 | M6 | 34 | M16 | 2.6 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 68 | 75 | 35 | M6 | 34 | M16 | 2.9 |

SAMCHULLY

Nutensteine | T-Nuts

Einzel-Nutensteine

- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Single T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

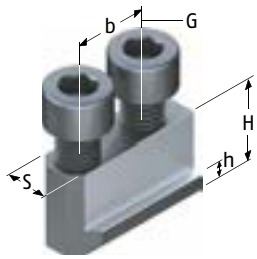
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | S [mm] | H [mm] | h [mm] | G | Zyl.-Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---------------------------------|---|---------|-----------|-----------|-----------|-----|------------------------------------|---|
| HCH 08 | NJ 80 ¹⁶⁾ gesägt <i>sawn</i> | 0146004 | 14 | 24.5 | 8.5 | M12 | M12x35 | 70 |
| MH 208 HS 08 | NJ 82 ¹⁶⁾ gesägt <i>sawn</i> | 0146005 | 14 | 20.5 | 8.5 | M12 | M12x30 | 70 |
| HC 10 HCH 10 | NJ 100 ¹⁶⁾ gesägt <i>sawn</i> | 0146003 | 16 | 24.5 | 8.5 | M12 | M12x35 | 70 |
| MH 210 HS 10 | NJ 103 ¹⁶⁾ gesägt <i>sawn</i> | 0146002 | 16 | 21.5 | 8.5 | M12 | M12x30 | 70 |
| HC 12 HCH 12 | NJ 121 ¹⁶⁾ gesägt <i>sawn</i> | 0146001 | 18 | 33.5 | 13.5 | M14 | M14x45 | 130 |
| MH 212 HS 12 | NJ 124 ¹⁶⁾ gesägt <i>sawn</i> | 0146000 | 21 | 28 | 11.5 | M16 | M16x40 | 150 |

16) Für Pendelbacken mit 1,5X60° (1 Stück Kombi-Nutenstein = 2 Einzel-Nutensteine).

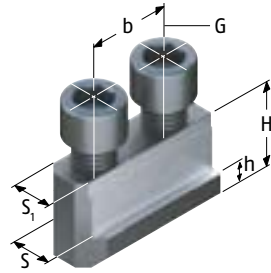
16) For pendulum jaws 1,5X60° (1 Piece Combi-T-nut = 2 Single T-nuts).

Kombi-Nutensteine

- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Ausführung 1 | Version 1



Ausführung 2 | Version 2

Combi T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube Cyl.-Screw | Max. zul. Anzieh- drehmoment Max. adm. tight- ening torque [Nm] |
|--|----------------------------|---------|-----------------------|-----------|------------|-----------|-----------|-----------|-----|---------------------------------|---|
| HC 04 | NJ 41 | 0146116 | 1 | 10 | | 18 | 5.5 | 14 | M8 | M8x22 | 30 |
| HCH 04 | NJ 42 | 0146129 | 1 | 8 | | 13.5 | 4.5 | 15 | M6 | M6x18 | 16 |
| HCL 04 | NJ 41 | 0146116 | 1 | 10 | | 18 | 5.5 | 14 | M8 | M8x22 | 30 |
| HCT 04 | NJ 43 | 0146113 | 1 | 10 | | 15 | 5 | 14 | M8 | M8x20 | 30 |
| HC 05 | NJ 51 | 0146117 | 1 | 10 | | 18 | 5.5 | 19 | M8 | M8x22 | 30 |
| HS 05 | NJ 43 | 0146113 | 1 | 10 | | 15 | 5 | 14 | M8 | M8x20 | 30 |
| HC 06 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| HCH 06 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| HCL 06 HCLT 06 HCT 06 | NJ 61 | 0146100 | 1 | 12 | | 22 | 7 | 20 | M10 | M10x25 | 50 |
| MH 206 HS 06 HSL 06 MHT 206 | NJ 62 | 0146133 | 1 | 12 | | 18.5 | 7.5 | 20 | M10 | M10x25 | 50 |
| HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 | NJ 80 | 0146101 | 1 | 14 | | 24.5 | 8.5 | 25 | M12 | M12x35 | 70 |
| MH 208 HS 08 HSF 08 HSL 08 MHT 208 | NJ 82 | 0146131 | 1 | 14 | | 20.5 | 8.5 | 25 | M12 | M12x30 | 70 |
| HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 | NJ 100 | 0146102 | 1 | 16 | | 24.5 | 8.5 | 30 | M12 | M12x35 | 70 |
| MH 210 HS 10 HSF 10 HSL 10 | NJ 103 | 0146132 | 1 | 16 | | 21.5 | 8.5 | 30 | M12 | M12x30 | 70 |
| HC 12 HCH 12 HCL 12 | NJ 121 | 0146103 | 1 | 18 | | 33.5 | 13.5 | 30 | M14 | M14x45 | 130 |

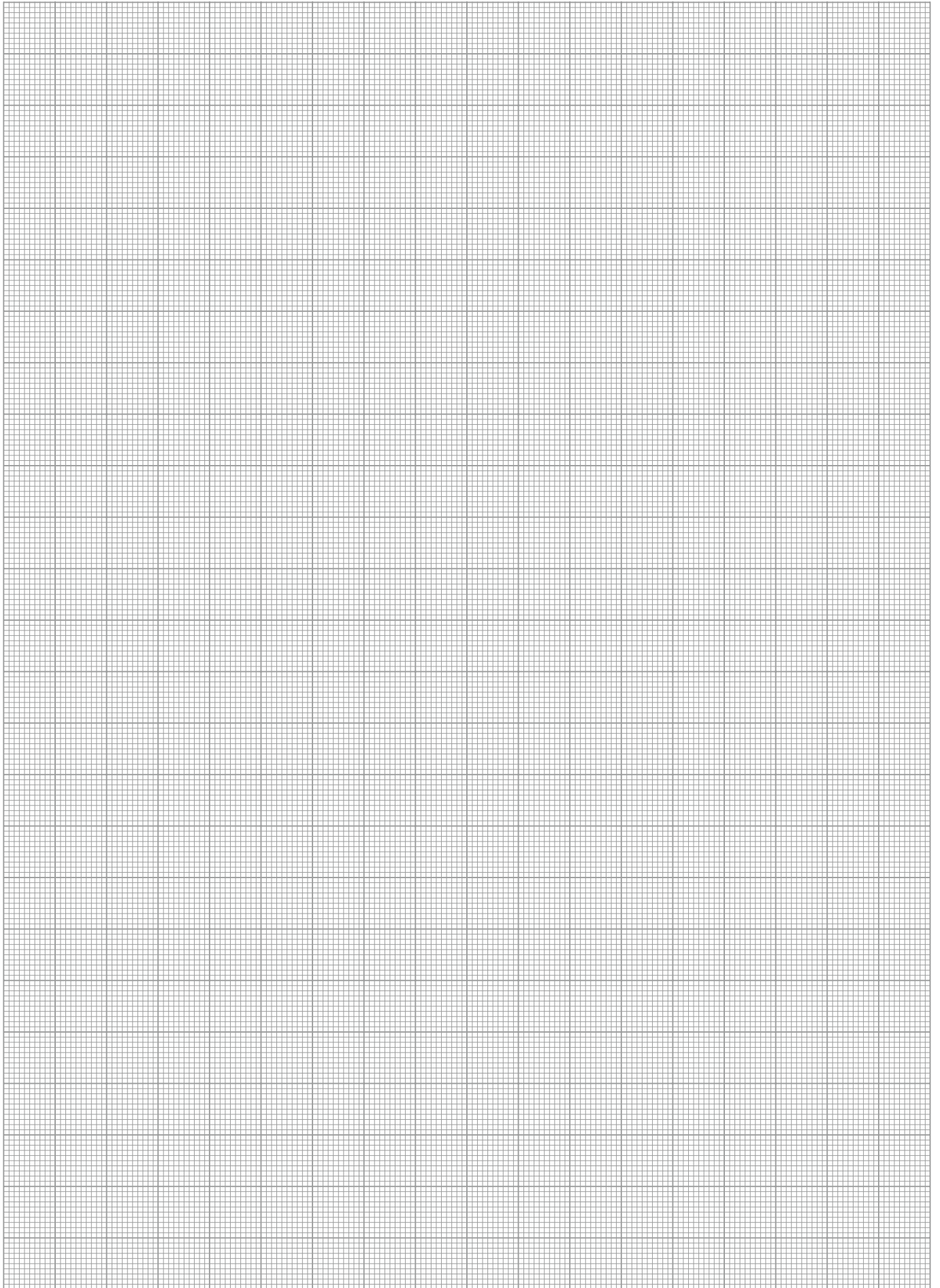
SAMCHULLY

Nutensteine | T-Nuts

Kombi-Nutensteine

Combi T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|-------------------------------------|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| MH 212 HS 12 HSF 12 HSL 12 | NJ 124 | 0146123 | 1 | 21 | | 28 | 11.5 | 30 | M16 | M16x40 | 150 |
| HC 15 | NJ 212 | 0146138 | 2 | 25.5 | 22 | 39.5 | 19 | 43 | M20 | M20x50 | 300 |
| HCH 15 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| | NJ 156 | 0146136 | 2 | 24 | 21 | 42.5 | 16.5 | 30 | M16 | M16x60 | 150 |
| HC 18 | NJ 212 | 0146138 | 2 | 25.5 | 22 | 39.5 | 19 | 43 | M20 | M20x50 | 300 |
| HCH 18 | NJ 152 | 0146125 | 2 | 24 | 22 | 45.5 | 16.5 | 43 | M20 | M20x60 | 300 |
| | NJ 156 | 0146136 | 2 | 24 | 21 | 42.5 | 16.5 | 30 | M16 | M16x60 | 150 |
| HC 21 HCH 21 MH 221 | NJ 210 | 0146126 | 1 | 25 | | 45 | 19 | 60 | M20 | M20x60 | 300 |
| HC 24 HCH 24 MH 224 | NJ 213 | 0146140 | 2 | 25 | 22 | 45 | 19 | 50 | M20 | M20x55 | 300 |



SMW-AUTOBLOK

SMW-AUTOBLOK

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|---------------------------------------|--|-----|
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| Quentes | O.D. clamping | 679 |
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|--------------------------|---------------|-----|
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| Quentes | O.D. clamping | 679 |

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|-------------------------|---------------|-----|
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| | I.D. clamping | 665 |
| Pendulum jaws | O.D. clamping | 690 |
| Quentes | O.D. clamping | 679 |
| Block jaws | | 680 |
| Hard Stepped Block Jaws | O.D. clamping | 683 |
| | I.D. clamping | 683 |

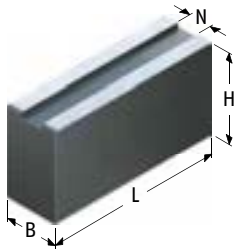
Available accessories from page 694

SMW-AUTOBLOK

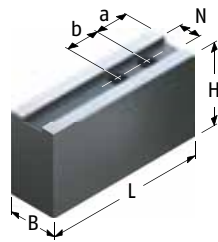
Backenrohlinge | Jaw Blanks

Spitzverzahnung 1/16" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1/16" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|---|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| HFK 160 HFKS 160 KDV 160 KDVG 160 KFMF 160 KFV 160 CD 200 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| HDL 200 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Backenrohlinge | Jaw Blanks

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|---|-----------------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| HDN 200 HFK 200-48 HFKS 200 KDV 200 KDBG 200 KFMF 200 KFV 200 ODL 200 ODN 200 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| | CL-D 200 KZF 200 KZF-ES 200 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 |
| SBM 42 | | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| SBM 4210 | | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| SBM 4212 | | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| SBM 4215 | | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| SBM 428 | | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| SBM 4281 | | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| SBM 43 | | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| SBM 44 | | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| SBM 45 | | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| SBM 46 | | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| SBM 47 | | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| SBM 48 | | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| SBM 498 | | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Backenrohlinge | Jaw Blanks

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ungebohrt <i>undrilled</i> ID | gebohrt <i>drilled</i> ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a <i>min. distance a</i> [mm] | min. Abstand b <i>min. distance b</i> [mm] | Schrauben <i>Screws</i> | m/Stück <i>m/piece</i> [kg] |
|---------------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------|-----------|-----------|-----------|--|--|----------------------------|-----------------------------------|
| LP 205 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| AL-D 210 | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| AN-D 210 | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| BB-D 210 | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| BH-D 210 | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| BHD-FC 210 | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| GHD-FC 210 | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| GHDN 210 | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| HFKN-D 210 | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| HYND-S 210 | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| AP-D 215 | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| APL-D 215 | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| NT-D 215 | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| HD-B 220 | SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 |
| HDN 220 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| ODL 220 | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| ODN 220 | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| HYND-S 226 | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| SP 240 | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| HDN 250S | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| KDV 250 | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| KDVG 250 | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| AL-D 250 | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| AN-D 250 | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| BB-D 250 | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| BH-D 250 | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| CD 250 | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| GHD-FC 250 | SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |
| GHDN 250 | | | | | | | | | | | |
| HDL 250 | | | | | | | | | | | |
| HDN 250 | | | | | | | | | | | |
| HFK 250 | | | | | | | | | | | |
| HFKS 250 | | | | | | | | | | | |
| HYND-S 250 | | | | | | | | | | | |
| KFMF 250 | | | | | | | | | | | |
| KFV 250 | | | | | | | | | | | |
| LP 250 | | | | | | | | | | | |
| ODL 250 | | | | | | | | | | | |
| ODN 250 | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Backenrohlinge | Jaw Blanks

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| AP-D 260 APL-D 260 NT-D 260 | SBM 31 | 0112100 | 0113100 | 17 | 40 | 40 | 70 | 12 | 22 | M12 | 0.9 |
| | SBM 32 | 0112101 | 0113101 | 17 | 40 | 40 | 90 | 12 | 22 | M12 | 1.1 |
| | SBM 33 | 0112102 | 0113102 | 17 | 40 | 40 | 105 | 12 | 22 | M12 | 1.2 |
| | SBM 34 | 0112103 | 0113103 | 17 | 40 | 60 | 70 | 12 | 22 | M12 | 1.3 |
| | SBM 35 | 0112104 | 0113104 | 17 | 40 | 60 | 90 | 12 | 22 | M12 | 1.7 |
| | SBM 36 | 0112105 | 0113105 | 17 | 40 | 60 | 105 | 12 | 22 | M12 | 2 |
| | SBM 361 | 0112136 | 0113136 | 17 | 40 | 60 | 120 | 12 | 22 | M12 | 2.2 |
| | SBM 3610 | 0112107 | 0113107 | 17 | 40 | 100 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 3612 | 0112108 | 0113108 | 17 | 40 | 120 | 90 | 12 | 22 | M12 | 3.4 |
| | SBM 3615 | 0112139 | 0113139 | 17 | 50 | 80 | 90 | 12 | 22 | M12 | 2.7 |
| | SBM 368 | 0112106 | 0113106 | 17 | 40 | 80 | 90 | 12 | 22 | M12 | 2.3 |
| | SBM 37 | 0112109 | 0113109 | 17 | 60 | 60 | 70 | 12 | 22 | M12 | 1.9 |
| | SBM 38 | 0112110 | 0113110 | 17 | 60 | 60 | 90 | 12 | 22 | M12 | 2.4 |
| SBM 40 | 0112111 | 0113111 | 17 | 80 | 60 | 90 | 12 | 22 | M12 | 3.3 | |
| HFKN-D 260 SP 280 HD-B 300 GHD-FC 305 GHDN 305 AL-D 315 AN-D 315 AP-D 315 APL-D 315 BB-D 315 BH-D 315 BHD-FC 315 CD 315 GHD-FC 315 GHDN 315 HDL 315 HDN 315 HFK 315 HFKN-D 315 HFKS 315 HYND-S 315 KDV 315 KDBG 315 KFMF 315 KFV 315 NT-D 315 ODL 315 ODN 315 SP 350 GHD 400 GHD-FC 400 GHDN 400 HDL 400 HDN 400 KDV 400 KDBG 400 ODL 400 ODN 400 | SBM 41 | 0112112 | 0113112 | 21 | 50 | 60 | 90 | 15 | 28 | M16 | 2.1 |
| | SBM 42 | 0112113 | 0113113 | 21 | 50 | 60 | 105 | 15 | 28 | M16 | 2.4 |
| | SBM 4210 | 0112115 | 0113115 | 21 | 50 | 100 | 120 | 15 | 28 | M16 | 5 |
| | SBM 4212 | 0112116 | 0113116 | 21 | 50 | 120 | 120 | 15 | 28 | M16 | 5.6 |
| | SBM 4215 | 0112117 | 0113117 | 21 | 50 | 150 | 120 | 15 | 28 | M16 | 7 |
| | SBM 428 | 0112114 | 0113114 | 21 | 50 | 80 | 120 | 15 | 28 | M16 | 3.7 |
| | SBM 4281 | 0112137 | 0113137 | 21 | 50 | 80 | 150 | 15 | 28 | M16 | 4.6 |
| | SBM 43 | 0112118 | 0113118 | 21 | 60 | 60 | 90 | 15 | 28 | M16 | 2.4 |
| | SBM 44 | 0112119 | 0113119 | 21 | 60 | 60 | 105 | 15 | 28 | M16 | 2.9 |
| | SBM 45 | 0112120 | 0113120 | 21 | 60 | 80 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 46 | 0112121 | 0113121 | 21 | 60 | 80 | 105 | 15 | 28 | M16 | 3.8 |
| | SBM 47 | 0112122 | 0113122 | 21 | 60 | 80 | 120 | 15 | 28 | M16 | 4.4 |
| | SBM 48 | 0112123 | 0113123 | 21 | 80 | 60 | 90 | 15 | 28 | M16 | 3.2 |
| | SBM 498 | 0112125 | 0113125 | 21 | 80 | 80 | 120 | 15 | 28 | M16 | 5.9 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



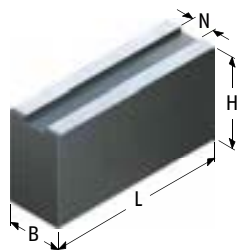
For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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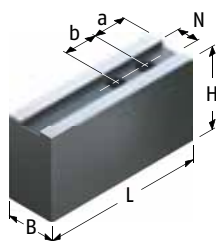
Backenrohlinge | Jaw Blanks

Spitzverzahnung 3/32" x 90°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 3/32" x 90°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| BB-AZ ES 500/590 | SBM 50 | 0112126 | 0113126 | 25.5 | 60 | 60 | 140 | 20 | 35 | M20 | 4 |
| BB-N ES 460/470 | SBM 51 | 0112127 | 0113127 | 25.5 | 60 | 80 | 140 | 20 | 35 | M20 | 5 |
| KZF 250 | SBM 52 | 0112128 | 0113128 | 25.5 | 60 | 100 | 140 | 20 | 35 | M20 | 6.5 |
| KZF-ES 250 | SBM 53 | 0112129 | 0113129 | 25.5 | 60 | 100 | 155 | 20 | 35 | M20 | 7.2 |
| KZF 315 | SBM 531 | 0112138 | 0113138 | 25.5 | 60 | 100 | 195 | 20 | 35 | M20 | 9.1 |
| KZF-ES 315 | SBM 5312 | 0112130 | 0113130 | 25.5 | 60 | 120 | 155 | 20 | 35 | M20 | 8.7 |
| LP 380 | SBM 5315 | 0112131 | 0113131 | 25.5 | 58 | 160 | 155 | 20 | 35 | M20 | 11.5 |
| AL-D 400 | SBM 5320 | 0112132 | 0113132 | 25.5 | 58 | 200 | 155 | 20 | 35 | M20 | 14.2 |
| AN-D 400 | SBM 57 | 0112134 | 0113134 | 25.5 | 80 | 80 | 155 | 20 | 35 | M20 | 7.2 |
| AP-D 400 | | | | | | | | | | | |
| APL-D 400 | | | | | | | | | | | |
| BB-N 400 | | | | | | | | | | | |
| BB-N ES 400 | | | | | | | | | | | |
| BH-D 400 | | | | | | | | | | | |
| BHD-FC 400 | | | | | | | | | | | |
| HFK 400 | SBM 58 | 0112135 | 0113135 | 25.5 | 100 | 100 | 155 | 20 | 35 | M20 | 11.6 |
| HFKN-D 400 | | | | | | | | | | | |
| HFKS 400 | | | | | | | | | | | |
| HYD-S 400 | | | | | | | | | | | |
| KFV 400 | | | | | | | | | | | |
| NT-D 400 | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Backenrohlinge | Jaw Blanks

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ungebohrt <i>undrilled</i> ID | gebohrt <i>drilled</i> ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a <i>min. distance a</i> [mm] | min. Abstand b <i>min. distance b</i> [mm] | Schrauben <i>Screws</i> | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|-------------------------------------|---------------------------------|-----------|-----------|-----------|-----------|--|--|----------------------------|-----------------------------------|
| BH-D 450 | SBM 50 | 0112126 | 0113126 | 25.5 | 60 | 60 | 140 | 20 | 35 | M20 | 4 |
| BB-N 460 LP 460 | SBM 51 | 0112127 | 0113127 | 25.5 | 60 | 80 | 140 | 20 | 35 | M20 | 5 |
| BB-N 500 | SBM 52 | 0112128 | 0113128 | 25.5 | 60 | 100 | 140 | 20 | 35 | M20 | 6.5 |
| BB-N ES 500 BH-D 500 | SBM 53 | 0112129 | 0113129 | 25.5 | 60 | 100 | 155 | 20 | 35 | M20 | 7.2 |
| BHD-FC 500 GHD 500 HFK 500 | SBM 531 | 0112138 | 0113138 | 25.5 | 60 | 100 | 195 | 20 | 35 | M20 | 9.1 |
| | SBM 5312 | 0112130 | 0113130 | 25.5 | 60 | 120 | 155 | 20 | 35 | M20 | 8.7 |
| HFKN-D 500 HFKS 500 HYDL-S 500 | SBM 5315 | 0112131 | 0113131 | 25.5 | 58 | 160 | 155 | 20 | 35 | M20 | 11.5 |
| | SBM 5320 | 0112132 | 0113132 | 25.5 | 58 | 200 | 155 | 20 | 35 | M20 | 14.2 |
| HYD-S 500 IL-D 500 IN-D 500 KDV 500 KDBG 500 KFB 500 LP 500 HYDLL-S 550 HYDL-S 550 BB-N 600 BB-N ES 600 GHD 610 BH-D 630 BHD-FC 630 HYDLL-S 630 HYDL-S 630 IL-D 630 IN-D 630 KFB 630 GHD 640 BH-D 800 GHD 800 HYDL-S 800 IL-D 800 IN-D 800 KFB 800 | SBM 57 | 0112134 | 0113134 | 25.5 | 80 | 80 | 155 | 20 | 35 | M20 | 7.2 |
| | SBM 58 | 0112135 | 0113135 | 25.5 | 100 | 100 | 155 | 20 | 35 | M20 | 11.6 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



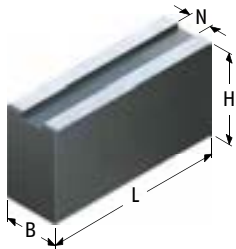
For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

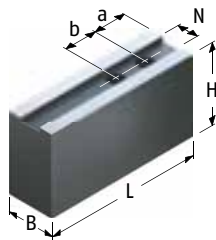
Backenrohlinge | Jaw Blanks

Spitzverzahnung 1,5 mm x 60°

- Lieferbar gebohrt oder ungebohrt
- Bei gebohrter Ausführung bitte Lochabstände a und b angeben
- Abweichende Lochabstände b min. bitte separat anfragen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



ungebohrt 1 | undrilled 1



gebohrt 2 | drilled 2

Fine serration 1,5 mm x 60°

- Available drilled or undrilled
- For drilled version please specify hole spacing a and b
- Please separately request the deviating hole spacing b minimum
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| AL-M 125 AN-M 125 BH-M 130 BB-M 140 AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 AP-M 170 NT-M 170 BB-M 175 | SBMJ 70 | 0132150 | 0133150 | 12 | 35 | 60 | 80 | 12 | 20 | M10 | 1.3 |
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | JBM 80 | 0114404 | 0114434 | 14 | 40 | 80 | 95 | 13 | 25 | M12 | 2.4 |
| | JBM 81 | 0114400 | 0114430 | 14 | 40 | 40 | 70 | 13 | 25 | M12 | 0.9 |
| | JBM 82 | 0114401 | 0114431 | 14 | 40 | 40 | 95 | 13 | 25 | M12 | 1.2 |
| | JBM 83 | 0114402 | 0114432 | 14 | 40 | 60 | 70 | 13 | 25 | M12 | 1.3 |
| | JBM 84 | 0114403 | 0114433 | 14 | 40 | 60 | 95 | 13 | 25 | M12 | 1.7 |
| | JBM 85 | 0114405 | 0114435 | 14 | 40 | 100 | 95 | 13 | 25 | M12 | 2.9 |
| | JBM 86 | 0114406 | 0114436 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| | JBM 87 | 0114407 | 0114437 | 14 | 60 | 60 | 70 | 13 | 25 | M12 | 2 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | JBM 100 | 0114412 | 0114442 | 16 | 40 | 80 | 120 | 13 | 30 | M12 | 3 |
| | JBM 101 | 0114410 | 0114440 | 16 | 40 | 60 | 90 | 13 | 30 | M12 | 1.6 |
| | JBM 102 | 0114411 | 0114441 | 16 | 40 | 60 | 110 | 13 | 30 | M12 | 2.1 |
| | JBM 103 | 0114413 | 0114443 | 16 | 40 | 100 | 110 | 13 | 30 | M12 | 3.4 |
| | JBM 104 | 0114414 | 0114444 | 16 | 50 | 120 | 110 | 13 | 30 | M12 | 5 |
| | JBM 105 | 0114415 | 0114445 | 16 | 60 | 60 | 95 | 13 | 30 | M12 | 2.7 |
| | JBM 106 | 0114416 | 0114446 | 16 | 60 | 90 | 95 | 13 | 30 | M12 | 4 |
| | JBM 107 | 0114417 | 0114447 | 16 | 80 | 60 | 95 | 13 | 30 | M12 | 3.5 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Backenrohlinge | Jaw Blanks

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype Chuck type | Bezeichnung Description | ungebohrt undrilled ID | gebohrt drilled ID | N [mm] | B [mm] | H [mm] | L [mm] | min. Abstand a min. distance a [mm] | min. Abstand b min. distance b [mm] | Schrauben Screws | m/Stück m/piece [kg] |
|--------------------------------------|----------------------------|------------------------------|--------------------------|-----------|-----------|-----------|-----------|---|---|---------------------|----------------------------|
| BB-M 305 AL-M 315 AN-M 315 | JBM 120 | 0114420 | 0114450 | 21 | 50 | 60 | 130 | 15 | 30 | M16 | 3.1 |
| APL-M 315 AP-M 315 BB-M 315 | JBM 121 | 0114421 | 0114451 | 21 | 50 | 80 | 130 | 15 | 30 | M16 | 4.1 |
| BH-M 315 BHM-FC 315 HFKN-M 315 | JBM 122 | 0114422 | 0114452 | 21 | 50 | 120 | 130 | 15 | 30 | M16 | 6 |
| NT-M 315 GH-M 400 | JBM 123 | 0114423 | 0114453 | 21 | 60 | 150 | 130 | 15 | 30 | M16 | 8.8 |
| | JBM 124 | 0114424 | 0114454 | 21 | 80 | 80 | 130 | 15 | 30 | M16 | 6.2 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

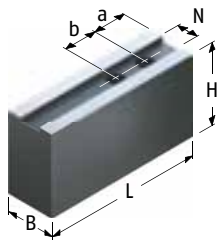
Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1/16" x 90°

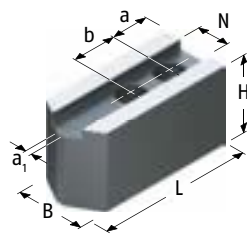
- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einatzhärtbar

Fine serration 1/16" x 90°

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| HFKN-D 110 HFKS 110 | SWB 110 | 0120109 | 1 | 8 | 20 | 40 | 50 | | 11.5 | 12 | M6 | 0.75 |
| AL-D 125 AN-D 125 | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | M8 | 1.2 |
| SP 125 | SP-WB 125 | 0124100 | 1 | 11 | 30 | 40 | 55.5 | | 10 | 18 | M8 | 1.3 |
| | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | M8 | 1.2 |
| BH-D 130 | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | M8 | 1.2 |
| HFKS 130 | SP-WB 125 | 0124100 | 1 | 11 | 30 | 40 | 55.5 | | 10 | 18 | M8 | 1.3 |
| KDV 130 BB-D 140 | SWB 130 | 0120100 | 1 | 12 | 30 | 38 | 55.5 | | 10 | 16 | M8 | 1.2 |
| HFKN 160 HFKS 160 KDV 160 KDVG 160 KFMF 160 KFV 160 | CWB 160 | 0100005 | 1 | 17 | 35 | 40 | 70 | | 15 | 22 | M12 | 1.7 |
| | SWB 160 | 0120102 | 1 | 17 | 40 | 60 | 70 | | 15 | 22 | M12 | 3.1 |
| SP 160 AL-D 165 AN-D 165 BH-D 165 BHD-FC 165 GHD-FC 165 GHDN 165 HFKN-D 165 AP-D 170 NT-D 170 BB-D 175 HYND-S 180 | SWBL 160 | 0120151 | 2 | 17 | 35 | 40 | 78 | 4 | 15 | 22 | M12 | 1.9 |
| | SWB 165 | 0120101 | 1 | 14 | 35 | 60 | 68 | | 15 | 20 | M10 | 2.5 |
| CD 200 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| CL-D 200 | 2 SWK 200 | 0126102 | 1 | 21 | 80 | 80 | 95 | | 22 | 28 | M16 | 8.2 |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


SMW-AUTOBLOK


Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| HDL 200 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| HDN 200 | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| HFK 200-48 | | | | | | | | | | | | |
| HFKS 200 | | | | | | | | | | | | |
| KDV 200 | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| KDVG 200 | | | | | | | | | | | | |
| KFMF 200 | | | | | | | | | | | | |
| KFV 200 | | | | | | | | | | | | |
| KZF 200 | 2 SWK 200 | 0126102 | 1 | 21 | 80 | 80 | 95 | | 22 | 28 | M16 | 8.2 |
| KZF-ES 200 | | | | | | | | | | | | |
| ODL 200 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| ODN 200 | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| LP 205 | | | | | | | | | | | | |
| AL-D 210 | | | | | | | | | | | | |
| AN-D 210 | | | | | | | | | | | | |
| BB-D 210 | | | | | | | | | | | | |
| BH-D 210 | | | | | | | | | | | | |
| BHD-FC 210 | | | | | | | | | | | | |
| GHD-FC 210 | | | | | | | | | | | | |
| GHDN 210 | | | | | | | | | | | | |
| HFKN-D 210 | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| HYND-S 210 | | | | | | | | | | | | |
| AP-D 215 | | | | | | | | | | | | |
| APL-D 215 | | | | | | | | | | | | |
| NT-D 215 | | | | | | | | | | | | |
| HD-B 220 | | | | | | | | | | | | |
| HDN 220 | | | | | | | | | | | | |
| ODL 220 | | | | | | | | | | | | |
| ODN 220 | | | | | | | | | | | | |
| HYND-S 226 | | | | | | | | | | | | |
| SP 240 | | | | | | | | | | | | |
| | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| AL-D 250 | | | | | | | | | | | | |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| AN-D 250 | | | | | | | | | | | | |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| BB-D 250 | | | | | | | | | | | | |
| BH-D 250 | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| CD 250 | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| CL-D 250 | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | M20 | 9 |
| | | | | | | | | | | | | |
| GHD-FC 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| GHDN 250 | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| HDL 250 | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| HDN 250 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| HDN 250S | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Set <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|-------------------------------|
| HFK 250 HFKS 250 HYND-S 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KDV 250 KDVG 250 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| KFMF 250 KfV 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| KZF 250 KZF-ES 250 | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | M20 | 9 |
| LP 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| ODL 250 ODN 250 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| AP-D 260 APL-D 260 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| HFKN-D 260 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| NT-D 260 | CWB 200 | 0100006 | 1 | 17 | 40 | 40 | 90 | | 25 | 22 | M12 | 2.7 |
| | SWB 200 | 0120104 | 1 | 17 | 40 | 60 | 90 | | 25 | 22 | M12 | 4.1 |
| | SWBL 200 | 0120153 | 2 | 17 | 35 | 40 | 98 | 4 | 15 | 22 | M12 | 2.6 |
| SP 280 HD-B 300 GHD-FC 305 GHDN 305 AL-D 315 AN-D 315 AP-D 315 APL-D 315 BB-D 315 BH-D 315 BHD-FC 315 CD 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| CL-D 315 | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | M20 | 9 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| GHD-FC 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| GHDN 315 | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| HDL 315 | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| HDN 315 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| HFK 315 | | | | | | | | | | | | |
| HFKN-D 315 | | | | | | | | | | | | |
| HFKS 315 | | | | | | | | | | | | |
| HYND-S 315 | | | | | | | | | | | | |
| KDV 315 | | | | | | | | | | | | |
| KDVG 315 | | | | | | | | | | | | |
| KFMF 315 | | | | | | | | | | | | |
| KFV 315 | | | | | | | | | | | | |
| KZF 315 | 2 SWK 250 | 0126103 | 1 | 25.5 | 80 | 80 | 110 | | 20 | 35 | M20 | 9 |
| KZF-ES 315 | | | | | | | | | | | | |
| NT-D 315 | CWB 251 | 0100012 | 1 | 21 | 50 | 60 | 95 | | 15 | 28 | M16 | 5.2 |
| ODL 315 | SWB 250 | 0120105 | 1 | 21 | 50 | 80 | 120 | | 30 | 28 | M16 | 9.4 |
| ODN 315 | SWBL 250/21 | 0120155 | 2 | 21 | 50 | 50 | 120 | 4 | 20 | 28 | M16 | 5.6 |
| SP 350 | SWBL 315 | 0120156 | 2 | 21 | 50 | 50 | 140 | 4 | 30 | 28 | M16 | 6.5 |
| GHD 400 | | | | | | | | | | | | |
| GHD-FC 400 | | | | | | | | | | | | |
| GHDN 400 | | | | | | | | | | | | |
| HDL 400 | | | | | | | | | | | | |
| HDN 400 | | | | | | | | | | | | |
| KDV 400 | | | | | | | | | | | | |
| KDVG 400 | | | | | | | | | | | | |
| ODL 400 | | | | | | | | | | | | |
| ODN 400 | | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

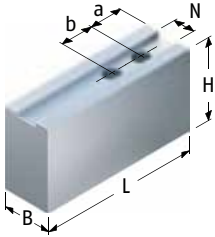
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-D 125 AN-D 125 SP 125 BH-D 130 KDV 130 BB-D 140 | SWB-AL 130 | 0168104 | 12 | 30 | 40 | 55 | 10 | 16 | M8 | 0.45 |
| HFK 160 HFKS 160 KDV 160 KDBG 160 KFMF 160 KFV 160 | SWB-AL 160 | 0168100 | 17 | 40 | 60 | 70 | 15 | 22 | M12 | 1.2 |
| SP 160 AL-D 165 AN-D 165 BH-D 165 BHD-FC 165 GHD-FC 165 GHDN 165 HFKN-D 165 AP-D 170 NT-D 170 BB-D 175 HYND-S 180 | SWB-AL 165 | 0168105 | 14 | 35 | 60 | 80 | 15 | 20 | M10 | 1.2 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


SMW-AUTOBLOK


Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| CD 200 HDL 200 HDN 200 HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDBG 200 KFMF 200 KfV 200 ODL 200 ODN 200 LP 205 AL-D 210 AN-D 210 BB-D 210 BH-D 210 BHD-FC 210 GHD-FC 210 GHDN 210 HFKN-D 210 HYND-S 210 AP-D 215 APL-D 215 NT-D 215 HD-B 220 HDN 220 ODL 220 ODN 220 HYND-S 226 SP 240 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| AL-D 250 AN-D 250 BB-D 250 BH-D 250 CD 250 GHD-FC 250 GHDN 250 HDL 250 HDN 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| HDN 250S | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| HFK 250 HFKS 250 HYND-S 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| KDV 250 KDBG 250 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| KFMF 250 KfV 250 LP 250 ODL 250 ODN 250 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| AP-D 260 APL-D 260 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |
| HFKN-D 260 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| NT-D 260 | SWB-AL 200 | 0168101 | 17 | 40 | 60 | 90 | 25 | 22 | M12 | 1.5 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| SP 280 | | | | | | | | | | |
| HD-B 300 | | | | | | | | | | |
| GHD-FC 305 | | | | | | | | | | |
| GHDN 305 | | | | | | | | | | |
| AL-D 315 | | | | | | | | | | |
| AN-D 315 | | | | | | | | | | |
| AP-D 315 | | | | | | | | | | |
| APL-D 315 | | | | | | | | | | |
| BB-D 315 | | | | | | | | | | |
| BH-D 315 | | | | | | | | | | |
| BHD-FC 315 | | | | | | | | | | |
| CD 315 | | | | | | | | | | |
| GHD-FC 315 | | | | | | | | | | |
| GHDN 315 | | | | | | | | | | |
| HDL 315 | | | | | | | | | | |
| HDN 315 | | | | | | | | | | |
| HFK 315 | | | | | | | | | | |
| HFKN-D 315 | | | | | | | | | | |
| HFKS 315 | SWB-AL 250 | 0168102 | 21 | 50 | 80 | 120 | 30 | 28 | M16 | 3 |
| HYND-S 315 | | | | | | | | | | |
| KDV 315 | | | | | | | | | | |
| KDVG 315 | | | | | | | | | | |
| KFMF 315 | | | | | | | | | | |
| KFV 315 | | | | | | | | | | |
| NT-D 315 | | | | | | | | | | |
| ODL 315 | | | | | | | | | | |
| ODN 315 | | | | | | | | | | |
| SP 350 | | | | | | | | | | |
| GHD 400 | | | | | | | | | | |
| GHD-FC 400 | | | | | | | | | | |
| GHDN 400 | | | | | | | | | | |
| HDL 400 | | | | | | | | | | |
| HDN 400 | | | | | | | | | | |
| KDV 400 | | | | | | | | | | |
| KDVG 400 | | | | | | | | | | |
| ODL 400 | | | | | | | | | | |
| ODN 400 | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



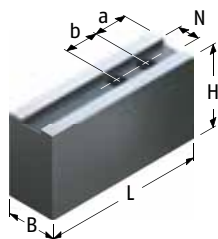
*For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".*

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsetzhärtbar



Fine serration 3/32" x 90°

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| BB-AZ ES 500/590 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| BB-N ES 460/470 | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| LP 380 | SP-WB 400 | 0124105 | 25.5 | 60 | 100 | 155 | 35 | 40 | M18 | 18.8 |
| AL-D 400 AN-D 400 AP-D 400 APL-D 400 BB-N 400 BB-N ES 400 BH-D 400 BHD-FC 400 HFK 400 HFKN-D 400 HFKS 400 HYD-S 400 KFV 400 NT-D 400 BH-D 450 BB-N 460 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| LP 460 | SP-WB 400 | 0124105 | 25.5 | 60 | 100 | 155 | 35 | 40 | M18 | 18.8 |
| BB-N 500 BB-N ES 500 BH-D 500 BHD-FC 500 GHD 500 HFK 500 HFKN-D 500 HFKS 500 HYDL-S 500 HYD-S 500 IL-D 500 IN-D 500 KDV 500 KDVG 500 KFV 500 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| LP 500 | SP-WB 500 | 0124106 | 25.5 | 60 | 100 | 195 | 37 | 40 | M18 | 24.8 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HYDLL-S 550 HYDL-S 550 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| BB-N 600 BB-N ES 600 GHD 610 | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| BB-N 630 | SP-WB 630 | 0124107 | 30 | 75 | 90 | 240 | 42 | 65 | M24 | 32.9 |
| BH-D 630 BHD-FC 630 HYDLL-S 630 HYDL-S 630 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| IL-D 630 IN-D 630 KFV 630 GHD 640 | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |
| BB-AZ ES 750 | SP-WB 630 | 0124107 | 30 | 75 | 90 | 240 | 42 | 65 | M24 | 32.9 |
| BB-N 800 | SP-WB 800 | 0124108 | 30 | 75 | 90 | 300 | 68 | 65 | M24 | 42 |
| BH-D 800 GHD 800 | CWB 400 | 0100008 | 25.5 | 60 | 80 | 140 | 30 | 35 | M20 | 12.6 |
| HYDL-S 800 IL-D 800 IN-D 800 KFV 800 | SWB 400 | 0120107 | 25.5 | 60 | 90 | 155 | 30 | 35 | M20 | 18.3 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

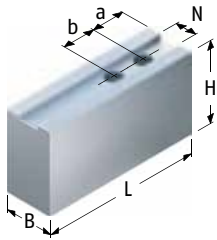
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set | [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|------|
| BB-AZ ES | | | | | | | | | | | |
| 500/590 | | | | | | | | | | | |
| BB-N ES | | | | | | | | | | | |
| 460/470 | | | | | | | | | | | |
| AL-D 400 | | | | | | | | | | | |
| AN-D 400 | | | | | | | | | | | |
| AP-D 400 | | | | | | | | | | | |
| APL-D 400 | | | | | | | | | | | |
| BB-N 400 | | | | | | | | | | | |
| BB-N ES 400 | | | | | | | | | | | |
| BH-D 400 | | | | | | | | | | | |
| BHD-FC 400 | | | | | | | | | | | |
| HFK 400 | | | | | | | | | | | |
| HFKN-D 400 | | | | | | | | | | | |
| HFKS 400 | | | | | | | | | | | |
| HYD-S 400 | | | | | | | | | | | |
| KFV 400 | | | | | | | | | | | |
| NT-D 400 | | | | | | | | | | | |
| BH-D 450 | | | | | | | | | | | |
| BB-N 460 | | | | | | | | | | | |
| BB-N 500 | SWB-AL 400 | 0168103 | 25.5 | 60 | 100 | 155 | 30 | 35 | M20 | 6.4 | |
| BB-N ES 500 | | | | | | | | | | | |
| BH-D 500 | | | | | | | | | | | |
| BHD-FC 500 | | | | | | | | | | | |
| GHD 500 | | | | | | | | | | | |
| HFK 500 | | | | | | | | | | | |
| HFKN-D 500 | | | | | | | | | | | |
| HFKS 500 | | | | | | | | | | | |
| HYDL-S 500 | | | | | | | | | | | |
| HYD-S 500 | | | | | | | | | | | |
| IL-D 500 | | | | | | | | | | | |
| IN-D 500 | | | | | | | | | | | |
| KDV 500 | | | | | | | | | | | |
| KDVG 500 | | | | | | | | | | | |
| KFV 500 | | | | | | | | | | | |
| HYDLL-S 550 | | | | | | | | | | | |
| HYDL-S 550 | | | | | | | | | | | |
| BB-N 600 | | | | | | | | | | | |
| BB-N ES 600 | | | | | | | | | | | |
| GHD 610 | | | | | | | | | | | |
| BH-D 630 | | | | | | | | | | | |
| BHD-FC 630 | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HYDLL-S 630 HYDL-S 630 IL-D 630 IN-D 630 KFV 630 GHD 640 BH-D 800 GHD 800 HYDL-S 800 IL-D 800 IN-D 800 KFV 800 | SWB-AL 400 | 0168103 | 25.5 | 60 | 100 | 155 | 30 | 35 | M20 | 6.4 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



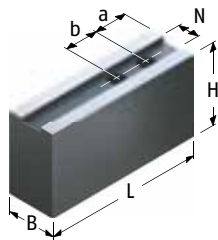
*For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".*

SMW-AUTOBLOK

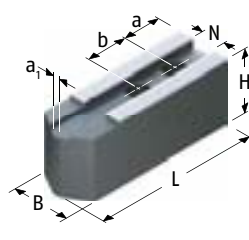
Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einatzhärtbar



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

Fine serration 1,5 mm x 60°

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| AL-M 165 | KM-WB 61 | 0130128 | 1 | 12 | 35 | 60 | 72 | | 15 | 20 | M10 | 2.9 |
| AN-M 165 | KM-WB 66 | 0132138 | 1 | 12 | 32 | 32 | 72 | | 15 | 20 | M10 | 1.4 |
| BH-M 165 | KM-WBL 60 | 0132600 | 2 | 12 | 32 | 32 | 82 | 4 | 15 | 20 | M10 | 1.5 |
| BHM-FC 165 | | | | | | | | | | | | |
| HFKN-M 165 | | | | | | | | | | | | |
| AP-M 170 | KM-WBL 62 | 0132606 | 2 | 12 | 35 | 60 | 82 | 4 | 15 | 20 | M10 | 3.6 |
| NT-M 170 | | | | | | | | | | | | |
| BB-M 175 | | | | | | | | | | | | |
| AL-M 210 | KM-WB 84 | 0132126 | 1 | 14 | 35 | 60 | 95 | | 24 | 25 | M12 | 3.9 |
| AN-M 210 | KM-WB 85 | 0132127 | 1 | 14 | 40 | 80 | 95 | | 24 | 25 | M12 | 6.1 |
| BB-M 210 | KM-WB 88 | 0132139 | 1 | 14 | 35 | 40 | 95 | | 24 | 25 | M12 | 2.7 |
| BH-M 210 | | | | | | | | | | | | |
| BHM-FC 210 | KM-WBL 80 | 0132601 | 2 | 14 | 35 | 40 | 102 | 4 | 20 | 25 | M12 | 2.7 |
| HFKN-M 210 | | | | | | | | | | | | |
| APL-M 215 | KM-WBL 81 | 0132607 | 2 | 14 | 40 | 80 | 102 | 4 | 20 | 25 | M12 | 6 |
| AP-M 215 | | | | | | | | | | | | |
| NT-M 215 | KM-WBL 82 | 0132615 | 2 | 14 | 40 | 100 | 102 | 4 | 20 | 25 | M12 | 7.6 |
| | KM-WB 102 | 0132104 | 1 | 16 | 40 | 60 | 90 | | 15 | 30 | M12 | 4.3 |
| | KM-WB 103 | 0132105 | 1 | 16 | 40 | 60 | 110 | | 30 | 30 | M12 | 5.2 |
| AL-M 250 | KM-WB 104 | 0132106 | 1 | 16 | 50 | 80 | 90 | | 15 | 30 | M12 | 7.3 |
| AN-M 250 | | | | | | | | | | | | |
| BB-M 250 | KM-WB 105 | 0132129 | 1 | 16 | 40 | 80 | 110 | | 30 | 30 | M12 | 7.2 |
| BH-M 250 | KM-WB 106 | 0132152 | 1 | 16 | 40 | 100 | 120 | | 30 | 30 | M12 | 9.9 |
| BHM-FC 250 | KM-WB 110 | 0132140 | 1 | 16 | 40 | 42 | 110 | | 30 | 30 | M12 | 3.8 |
| APL-M 260 | KM-WB 111 | 0132147 | 1 | 16 | 50 | 50 | 120 | | 30 | 30 | M12 | 6.2 |
| AP-M 260 | | | | | | | | | | | | |
| HFKN-M 260 | KM-WBL 100 | 0132602 | 2 | 16 | 40 | 42 | 125 | 4 | 30 | 30 | M12 | 4.1 |
| NT-M 260 | KM-WBL 101 | 0132608 | 2 | 16 | 40 | 100 | 125 | 4 | 30 | 30 | M12 | 9.8 |
| | KM-WBL 103 | 0132609 | 2 | 16 | 40 | 60 | 125 | 4 | 30 | 30 | M12 | 5.7 |
| BB-M 305 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| AL-M 315 | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| AN-M 315 | | | | | | | | | | | | |
| APL-M 315 | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| AP-M 315 | KM-WBL 121 | 0132604 | 2 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| BB-M 315 | | | | | | | | | | | | |
| BH-M 315 | | | | | | | | | | | | |
| BHM-FC 315 | KM-WBL 125 | 0132618 | 2 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| HFKN-M 315 | | | | | | | | | | | | |
| NT-M 315 | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | a1 [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------------------------|--------------------------------|
| AL-M 400 | KM-WB 153 | 0132132 | 1 | 22 | 60 | 80 | 165 | | 37 | 43 | M20 | 16.1 |
| AN-M 400 | KM-WB 155 | 0132156 | 1 | 22 | 60 | 120 | 165 | | 37 | 43 | M20 | 24.2 |
| APL-M 400 | | | | | | | | | | | | |
| AP-M 400 | | | | | | | | | | | | |
| BH-M 400 | KM-WBL 150 | 0132605 | 2 | 22 | 60 | 60 | 185 | 10 | 30 | 43 | M20 | 12.6 |
| BHM-FC 400 | | | | | | | | | | | | |
| GH-M 400 | KM-WB 126 | 0132131 | 1 | 21 | 50 | 60 | 129 | | 39 | 30 | M16 | 7.8 |
| | KM-WB 127 | 0132148 | 1 | 21 | 50 | 100 | 140 | | 39 | 30 | M16 | 13.8 |
| | KM-WB 128 | 0132154 | 1 | 21 | 50 | 80 | 129 | | 39 | 30 | M16 | 10.4 |
| | KM-WBL 121 | 0132604 | 2 | 21 | 50 | 50 | 145 | 10 | 30 | 30 | M16 | 6.9 |
| | KM-WBL 125 | 0132618 | 2 | 21 | 50 | 100 | 145 | 10 | 30 | 30 | M16 | 14.2 |
| NT-M 400 BH-M 450 | KM-WB 153 | 0132132 | 1 | 22 | 60 | 80 | 165 | | 37 | 43 | M20 | 16.1 |
| | KM-WB 155 | 0132156 | 1 | 22 | 60 | 120 | 165 | | 37 | 43 | M20 | 24.2 |
| | KM-WBL 150 | 0132605 | 2 | 22 | 60 | 60 | 185 | 10 | 30 | 43 | M20 | 12.6 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

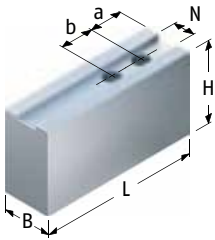
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 AP-M 170 NT-M 170 BB-M 175 | KM-WBAL 70 | 0132521 | 12 | 35 | 50 | 72 | 15 | 20 | M10 | 0.9 |
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | KM-WBAL 80 | 0132522 | 14 | 40 | 60 | 90 | 20 | 25 | M12 | 1.5 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | KM-WBAL 100 | 0132523 | 16 | 40 | 60 | 110 | 25 | 30 | M12 | 1.9 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-M 400 AN-M 400 APL-M 400 AP-M 400 BH-M 400 BHM-FC 400 | KM-WBAL 150 | 0132526 | 22 | 60 | 80 | 145 | 30 | 43 | M20 | 5.1 |
| GH-M 400 | KM-WBAL 121 | 0132525 | 21 | 50 | 80 | 130 | 40 | 30 | M16 | 3.8 |
| NT-M 400 BH-M 450 | KM-WBAL 150 | 0132526 | 22 | 60 | 80 | 145 | 30 | 43 | M20 | 5.1 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



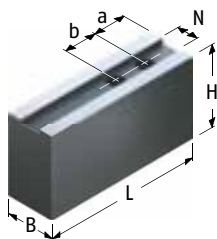
For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Modul2 Verzahnung

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Modul2 Serration

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | M [μm] | N [mm] | B [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|
| KDS 800 KDS 1000 | SWB-M 800 | 0120452 | 75 | 30 | 80 | 110 | 220 | 45 | 50 | M24 | 38.4 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

SMW-AUTOBLOK

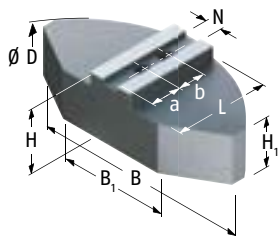
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1/16" x 90°

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HFK 160 HFKS 160 KDV 160 KDVG 160 KFMF 160 KFV 160 | SWB-SM 160 | 0169100 | 17 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 22 | M12 | 5.7 |
| SP 160 AL-D 165 AN-D 165 BH-D 165 BHD-FC 165 GHD-FC 165 GHDN 165 HFKN-D 165 AP-D 170 NT-D 170 BB-D 175 HYND-S 180 | SWB-SM 165 | 0169099 | 14 | 120 | 40 | 160 | 60 | 50 | 59.5 | 25 | 20 | M10 | 5.6 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| CD 200 HDL 200 HDN 200 HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDBG 200 KFMF 200 KFV 200 ODL 200 ODN 200 LP 205 AL-D 210 AN-D 210 BB-D 210 BH-D 210 BHD-FC 210 GHD-FC 210 GHDN 210 HFKN-D 210 HYND-S 210 AP-D 215 APL-D 215 NT-D 215 HD-B 220 HDN 220 ODL 220 ODN 220 HYND-S 226 SP 240 | SWB-SM 200 | 0169101 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | M12 | 8.6 |
| AL-D 250 AN-D 250 BB-D 250 BH-D 250 BHD-FC 250 CD-RCD 250 GHD-FC 250 GHDN 250 HDL 250 HDN 250 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| HDN 250S | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| HFK 250 HFKS 250 HYND-S 250 | SWB-SM 200 | 0169101 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | M12 | 8.6 |
| KDV 250 KDBG 250 | SWB-SM 201 | 0169106 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | M12 | 10.8 |
| KFMF 250 KFV 250 LP 250 ODL 250 ODN 250 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| AP-D 260 APL-D 260 | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| HFKN-D 260 | SWB-SM 200 | 0169101 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | M12 | 10.8 |
| | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| NT-D 260 | SWB-SM 200 | 0169101 | 17 | 140 | 64 | 200 | 60 | 50 | 69.5 | 35 | 22 | M12 | 8.6 |
| | SWB-SM 201 | 0169106 | 17 | 140 | 64 | 200 | 75 | 65 | 69.5 | 35 | 22 | M12 | 10.8 |
| SP 280 | SWB-SM 250/21 | 0169103 | 21 | 180 | 104 | 250 | 70 | 55 | 80 | 30 | 28 | M16 | 14 |
| | SWB-SM 251 | 0169107 | 21 | 180 | 104 | 250 | 100 | 85 | 80 | 30 | 28 | M16 | 21.7 |
| HD-B 300 | | | | | | | | | | | | | |
| GHD-FC 305 | | | | | | | | | | | | | |
| GHDN 305 | | | | | | | | | | | | | |
| AL-D 315 | | | | | | | | | | | | | |
| AN-D 315 | | | | | | | | | | | | | |
| AP-D 315 | | | | | | | | | | | | | |
| APL-D 315 | | | | | | | | | | | | | |
| BB-D 315 | | | | | | | | | | | | | |
| BH-D 315 | | | | | | | | | | | | | |
| BHD-FC 315 | | | | | | | | | | | | | |
| CD-RCD 315 | | | | | | | | | | | | | |
| GHD-FC 315 | | | | | | | | | | | | | |
| GHDN 315 | | | | | | | | | | | | | |
| HDL 315 | | | | | | | | | | | | | |
| HDN 315 | | | | | | | | | | | | | |
| HFK 315 | | | | | | | | | | | | | |
| HFKN-D 315 | SWB-SM 315 | 0169104 | 21 | 240 | 120 | 320 | 70 | 55 | 110 | 60 | 28 | M16 | 26.6 |
| HFKS 315 | | | | | | | | | | | | | |
| HYND-S 315 | | | | | | | | | | | | | |
| KDV 315 | | | | | | | | | | | | | |
| KDVG 315 | | | | | | | | | | | | | |
| KFMF 315 | | | | | | | | | | | | | |
| KFV 315 | | | | | | | | | | | | | |
| NT-D 315 | | | | | | | | | | | | | |
| ODL 315 | | | | | | | | | | | | | |
| ODN 315 | | | | | | | | | | | | | |
| SP 350 | | | | | | | | | | | | | |
| GHD 400 | | | | | | | | | | | | | |
| GHD-FC 400 | | | | | | | | | | | | | |
| KDV 400 | | | | | | | | | | | | | |
| KDVG 400 | | | | | | | | | | | | | |
| ODL 400 | | | | | | | | | | | | | |
| ODN 400 | | | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

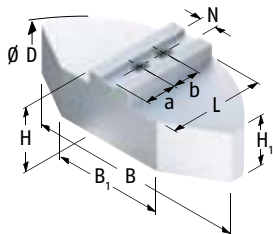
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| HFK 160 HFKS 160 KDV 160 KDBG 160 KFMF 160 KFV 160 | SWB-SA 160 | 0170100 | 17 | 120 | 40 | 165 | 58 | 48 | 59.5 | 22 | 22 | M12 | 2.2 |
| SP 160 AL-D 165 AN-D 165 BH-D 165 BHD-FC 165 GHD-FC 165 GHDN 165 HFKN-D 165 AP-D 170 NT-D 170 BB-D 175 HYND-S 180 | SWB-SA 165 | 0170099 | 14 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 1.9 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| CD 200 HDL 200 HDN 200 HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDVG 200 KFMF 200 KFV 200 ODL 200 ODN 200 LP 205 AL-D 210 AN-D 210 BB-D 210 BH-D 210 BHD-FC 210 GHD-FC 210 GHDN 210 HFKN-D 210 HYND-S 210 AP-D 215 APL-D 215 NT-D 215 HD-B 220 HDN 220 ODL 220 ODN 220 HYND-S 226 SP 240 | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 |
| AL-D 250 AN-D 250 BB-D 250 BH-D 250 BHD-FC 250 CD-RCD 250 GHD-FC 250 GHDN 250 HDL 250 HDN 250 | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | M16 | 8.3 |
| HDN 250S | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 |
| HFK 250 HFKS 250 HYND-S 250 | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | M16 | 8.3 |
| KDV 250 KDVG 250 | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 |
| KFMF 250 KFV 250 LP 250 ODL 250 ODN 250 | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | M16 | 8.3 |
| AP-D 260 APL-D 260 | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 |
| HFKN-D 260 | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | M16 | 8.3 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| NT-D 260 | SWB-SA 200 | 0170101 | 17 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 22 | M12 | 3.4 |
| | SWB-SA 201 | 0170106 | 17 | 140 | 50 | 200 | 75 | 65 | 72.5 | 35 | 22 | M12 | 4.2 |
| SP 280 | SWB-SA 250/21 | 0170103 | 21 | 180 | 70 | 250 | 78 | 63 | 87.5 | 40 | 28 | M16 | 7.3 |
| | SWB-SA 251 | 0170107 | 21 | 180 | 70 | 250 | 100 | 85 | 87.5 | 40 | 28 | M16 | 8.3 |
| HD-B 300 | | | | | | | | | | | | | |
| GHD-FC 305 | | | | | | | | | | | | | |
| GHDN 305 | | | | | | | | | | | | | |
| AL-D 315 | | | | | | | | | | | | | |
| AN-D 315 | | | | | | | | | | | | | |
| AP-D 315 | | | | | | | | | | | | | |
| APL-D 315 | | | | | | | | | | | | | |
| BB-D 315 | | | | | | | | | | | | | |
| BH-D 315 | | | | | | | | | | | | | |
| BHD-FC 315 | | | | | | | | | | | | | |
| CD-RCD 315 | | | | | | | | | | | | | |
| GHD-FC 315 | | | | | | | | | | | | | |
| GHDN 315 | | | | | | | | | | | | | |
| HDL 315 | | | | | | | | | | | | | |
| HDN 315 | | | | | | | | | | | | | |
| HFK 315 | | | | | | | | | | | | | |
| HFKN-D 315 | SWB-SA 315 | 0170104 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 70 | 28 | M16 | 12 |
| HFKS 315 | | | | | | | | | | | | | |
| HYND-S 315 | | | | | | | | | | | | | |
| KDV 315 | | | | | | | | | | | | | |
| KDVG 315 | | | | | | | | | | | | | |
| KFMF 315 | | | | | | | | | | | | | |
| KFV 315 | | | | | | | | | | | | | |
| NT-D 315 | | | | | | | | | | | | | |
| ODL 315 | | | | | | | | | | | | | |
| ODN 315 | | | | | | | | | | | | | |
| SP 350 | | | | | | | | | | | | | |
| GHD 400 | | | | | | | | | | | | | |
| GHD-FC 400 | | | | | | | | | | | | | |
| KDV 400 | | | | | | | | | | | | | |
| KDVG 400 | | | | | | | | | | | | | |
| ODL 400 | | | | | | | | | | | | | |
| ODN 400 | | | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

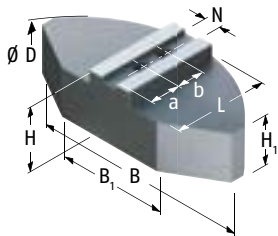
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 3/32" x 90°


- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar


Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| BB-AZ ES | | | | | | | | | | | | | |
| 500/590 | | | | | | | | | | | | | |
| BB-N ES | | | | | | | | | | | | | |
| 460/470 | | | | | | | | | | | | | |
| AL-D 400 | | | | | | | | | | | | | |
| AN-D 400 | | | | | | | | | | | | | |
| AP-D 400 | | | | | | | | | | | | | |
| APL-D 400 | | | | | | | | | | | | | |
| BB-N 400 | | | | | | | | | | | | | |
| BB-N ES 400 | | | | | | | | | | | | | |
| BH-D 400 | | | | | | | | | | | | | |
| BHD-FC 400 | | | | | | | | | | | | | |
| HFK 400 | | | | | | | | | | | | | |
| HFKN-D 400 | | | | | | | | | | | | | |
| HFKS 400 | | | | | | | | | | | | | |
| HYD-S 400 | | | | | | | | | | | | | |
| KFV 400 | | | | | | | | | | | | | |
| NT-D 400 | | | | | | | | | | | | | |
| BH-D 450 | | | | | | | | | | | | | |
| BB-N 460 | | | | | | | | | | | | | |
| BB-N 500 | | | | | | | | | | | | | |
| BB-N ES 500 | SWB-SM 400 | 0169105 | 25.5 | 330 | 150 | 440 | 85 | 55 | 155 | 85 | 35 | M20 | 55.2 |
| GHD 500 | | | | | | | | | | | | | |
| HFK 500 | | | | | | | | | | | | | |
| HFKN-D 500 | | | | | | | | | | | | | |
| HFKS 500 | | | | | | | | | | | | | |
| HYDL-S 500 | | | | | | | | | | | | | |
| HYD-S 500 | | | | | | | | | | | | | |
| IL-D 500 | | | | | | | | | | | | | |
| IN-D 500 | | | | | | | | | | | | | |
| KDV 500 | | | | | | | | | | | | | |
| KDVG 500 | | | | | | | | | | | | | |
| KFV 500 | | | | | | | | | | | | | |
| HYDLL-S 550 | | | | | | | | | | | | | |
| HYDL-S 550 | | | | | | | | | | | | | |
| BB-N 600 | | | | | | | | | | | | | |
| BB-N ES 600 | | | | | | | | | | | | | |
| HYDLL-S 630 | | | | | | | | | | | | | |
| HYDL-S 630 | | | | | | | | | | | | | |
| IL-D 630 | | | | | | | | | | | | | |
| IN-D 630 | | | | | | | | | | | | | |
| KFV 630 | | | | | | | | | | | | | |
| HYDL-S 800 | | | | | | | | | | | | | |

 Passende Nutensteine finden Sie ab Seite 644.
 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 644.
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

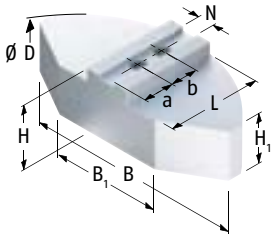
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| BB-AZ ES | | | | | | | | | | | | | |
| 500/590 | | | | | | | | | | | | | |
| BB-N ES | | | | | | | | | | | | | |
| 460/470 | | | | | | | | | | | | | |
| AL-D 400 | | | | | | | | | | | | | |
| AN-D 400 | | | | | | | | | | | | | |
| AP-D 400 | | | | | | | | | | | | | |
| APL-D 400 | | | | | | | | | | | | | |
| BB-N 400 | | | | | | | | | | | | | |
| BB-N ES 400 | | | | | | | | | | | | | |
| BH-D 400 | | | | | | | | | | | | | |
| BHD-FC 400 | | | | | | | | | | | | | |
| HFK 400 | | | | | | | | | | | | | |
| HFKN-D 400 | | | | | | | | | | | | | |
| HFKS 400 | | | | | | | | | | | | | |
| HYD-S 400 | | | | | | | | | | | | | |
| KFV 400 | | | | | | | | | | | | | |
| NT-D 400 | | | | | | | | | | | | | |
| BH-D 450 | | | | | | | | | | | | | |
| BB-N 460 | | | | | | | | | | | | | |
| BB-N 500 | | | | | | | | | | | | | |
| BB-N ES 500 | SWB-SA 400 | 0170105 | 25.5 | 330 | 150 | 440 | 98 | 68 | 160 | 85 | 35 | M20 | 26.2 |
| GHD 500 | | | | | | | | | | | | | |
| HFK 500 | | | | | | | | | | | | | |
| HFKN-D 500 | | | | | | | | | | | | | |
| HFKS 500 | | | | | | | | | | | | | |
| HYDL-S 500 | | | | | | | | | | | | | |
| HYD-S 500 | | | | | | | | | | | | | |
| IL-D 500 | | | | | | | | | | | | | |
| IN-D 500 | | | | | | | | | | | | | |
| KDV 500 | | | | | | | | | | | | | |
| KDVG 500 | | | | | | | | | | | | | |
| KFV 500 | | | | | | | | | | | | | |
| HYDLL-S 550 | | | | | | | | | | | | | |
| HYDL-S 550 | | | | | | | | | | | | | |
| BB-N 600 | | | | | | | | | | | | | |
| BB-N ES 600 | | | | | | | | | | | | | |
| HYDLL-S 630 | | | | | | | | | | | | | |
| HYDL-S 630 | | | | | | | | | | | | | |
| IL-D 630 | | | | | | | | | | | | | |
| IN-D 630 | | | | | | | | | | | | | |
| KFV 630 | | | | | | | | | | | | | |
| HYDL-S 800 | | | | | | | | | | | | | |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

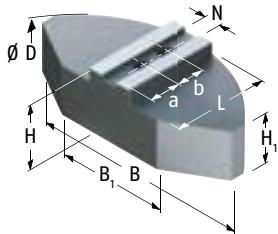
Weiche Segmentbacken | *Soft Full Grip Jaws*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben <i>Screws</i> | m/Set [kg] |
|---|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|---------------|
| AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 AP-M 170 NT-M 170 BB-M 175 | KMWB-SM 165 | 0132700 | 12 | 119 | 50 | 160 | 50 | 40 | 60 | 25 | 20 | M10 | 4.9 |
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | KMWB-SM 210 | 0132701 | 14 | 140 | 70 | 200 | 60 | 50 | 70 | 30 | 25 | M12 | 8.8 |
| BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | KMWB-SM 211 | 0132705 | 14 | 140 | 70 | 200 | 80 | 70 | 70 | 30 | 25 | M12 | 11.7 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | KMWB-SM 250 | 0132702 | 16 | 180 | 100 | 250 | 60 | 45 | 80 | 30 | 30 | M12 | 12 |
| BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | KMWB-SM 251 | 0132706 | 16 | 180 | 100 | 250 | 80 | 70 | 80 | 30 | 30 | M12 | 18.5 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | KMWB-SM 301 | 0132704 | 21 | 240 | 120 | 300 | 70 | 55 | 110 | 45 | 30 | M16 | 26.4 |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

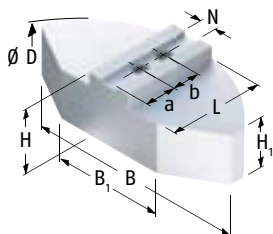
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | B1 [mm] | D [mm] | H [mm] | H1 [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|---|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 AP-M 170 NT-M 170 BB-M 175 | KMWB-SA 165 | 0132800 | 12 | 120 | 40 | 165 | 58 | 48 | 59.5 | 25 | 20 | M10 | 2.2 |
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | KMWB-SA 210 | 0132801 | 14 | 140 | 50 | 200 | 58 | 48 | 72.5 | 35 | 25 | M12 | 3.3 |
| BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | KMWB-SA 211 | 0132805 | 14 | 140 | 50 | 200 | 80 | 70 | 72.5 | 35 | 25 | M12 | 4.5 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | KMWB-SA 250 | 0132802 | 16 | 180 | 70 | 250 | 58 | 43 | 87.5 | 40 | 30 | M12 | 4.7 |
| BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | KMWB-SA 251 | 0132806 | 16 | 180 | 70 | 250 | 80 | 65 | 87.5 | 40 | 30 | M12 | 6.6 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | KMWB-SA 301 | 0132804 | 21 | 240 | 80 | 320 | 78 | 63 | 117 | 45 | 30 | M16 | 10.9 |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

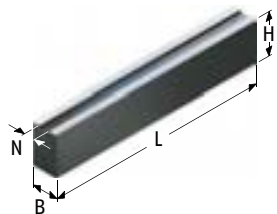
For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1/16" x 90°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| AL-D 125 AN-D 125 SP 125 | SBM-ST 120 | 0112160 | 12 | 35 | 60 | 420 | 6.7 |
| BH-D 130 KDV 130 BB-D 140 | SBM-ST 121 | 0112163 | 12 | 40 | 80 | 420 | 10.2 |
| HFK 160 HFKS 160 KDV 160 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| KDVG 160 KFMF 160 KFV 160 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| SP 160 AL-D 165 AN-D 165 BH-D 165 BHD-FC 165 GHD-FC 165 GHDN 165 HFKN-D 165 AP-D 170 NT-D 170 BB-D 175 HYND-S 180 | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| | SBM-ST 140 | 0112165 | 14 | 35 | 60 | 420 | 6.6 |
| CD 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| CL-D 200 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|-----------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| HDL 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| HDN 200 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| HFK 200-48 | | | | | | | |
| HFK 200-66 | | | | | | | |
| HFKS 200 | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| KDV 200 | | | | | | | |
| KDVG 200 | | | | | | | |
| KFMF 200 | | | | | | | |
| KFV 200 | | | | | | | |
| KZF 200 KZF-ES 200 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| ODL 200 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| ODN 200 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| LP 205 | | | | | | | |
| AL-D 210 | | | | | | | |
| AN-D 210 | | | | | | | |
| BB-D 210 | | | | | | | |
| BH-D 210 | | | | | | | |
| BHD-FC 210 | | | | | | | |
| GHD-FC 210 | | | | | | | |
| GHDN 210 | | | | | | | |
| HFKN-D 210 | | | | | | | |
| HYND-S 210 | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| AP-D 215 | | | | | | | |
| APL-D 215 | | | | | | | |
| NT-D 215 | | | | | | | |
| HD-B 220 | | | | | | | |
| HDN 220 | | | | | | | |
| ODL 220 | | | | | | | |
| ODN 220 | | | | | | | |
| HYND-S 226 | | | | | | | |
| SP 240 | | | | | | | |
| AL-D 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| AN-D 250 | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| BB-D 250 | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| BH-D 250 | | | | | | | |
| BHD-FC 250 | | | | | | | |
| CD 250 | | | | | | | |
| GHD-FC 250 | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| GHDN 250 | | | | | | | |
| HDL 250 | | | | | | | |
| HDN 250 | | | | | | | |
| HDN 250S | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| HFK 250 HFKS 250 HYND-S 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KDV 250 KDVG 250 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| KFMF 250 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| KFV 250 | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| LP 250 | | | | | | | |
| ODL 250 | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| ODN 250 | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| AP-D 260 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| APL-D 260 | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| HFKN-D 260 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| NT-D 260 | SBM-ST 170 | 0112170 | 17 | 40 | 60 | 420 | 7.6 |
| | SBM-ST 171 | 0112171 | 17 | 40 | 80 | 420 | 10.2 |
| | SBM-ST 172 | 0112172 | 17 | 40 | 100 | 420 | 12.8 |
| SP 280 | SBM-ST 210 | 0112180 | 21 | 50 | 60 | 420 | 9.4 |
| HD-B 300 | SBM-ST 211 | 0112181 | 21 | 50 | 80 | 420 | 12.7 |
| GHD-FC 305 | | | | | | | |
| GHDN 305 | SBM-ST 212 | 0112182 | 21 | 50 | 120 | 420 | 19.3 |
| AL-D 315 | | | | | | | |
| AN-D 315 | | | | | | | |
| AP-D 315 | | | | | | | |
| APL-D 315 | | | | | | | |
| BB-D 315 | | | | | | | |
| BH-D 315 | | | | | | | |
| BHD-FC 315 | | | | | | | |
| CD 315 | | | | | | | |
| GHD-FC 315 | | | | | | | |
| GHDN 315 | | | | | | | |
| HDL 315 | | | | | | | |
| HDN 315 | | | | | | | |
| HFK 315 | | | | | | | |
| HFKN-D 315 | | | | | | | |
| HFKS 315 | | | | | | | |
| HYND-S 315 | | | | | | | |
| KDV 315 | SBM-ST 213 | 0112183 | 21 | 80 | 80 | 420 | 20.4 |
| KDVG 315 | | | | | | | |
| KFMF 315 | | | | | | | |
| KFV 315 | | | | | | | |
| NT-D 315 | | | | | | | |
| ODL 315 | | | | | | | |
| ODN 315 | | | | | | | |
| SP 350 | | | | | | | |
| GHD 400 | | | | | | | |
| GHD-FC 400 | | | | | | | |
| GHDN 400 | | | | | | | |
| HDL 400 | | | | | | | |
| HDN 400 | | | | | | | |
| KDV 400 | | | | | | | |
| KDVG 400 | | | | | | | |
| ODL 400 | | | | | | | |
| ODN 400 | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

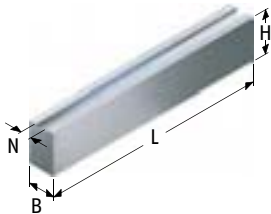
Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 1/16" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1/16" x 90°

- *Universal use*
- *To produce longer jaws*
- *Undrilled for individual cutting to length*
- *Delivery unit: 1 piece*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| AL-D 125 AN-D 125 SP 125 BH-D 130 KDV 130 BB-D 140 | SBM-STA 120 | 0112161 | 12 | 35 | 60 | 420 | 2.4 |
| HFK 160 HFKS 160 KDV 160 KDBG 160 KFMF 160 KFV 160 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| SP 160 AL-D 165 AN-D 165 BH-D 165 BHD-FC 165 GHD-FC 165 GHDN 165 HFKN-D 165 AP-D 170 NT-D 170 BB-D 175 HYND-S 180 | SBM-STA 140 | 0112166 | 14 | 35 | 60 | 420 | 2.4 |
| CD 200 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| CL-D 200 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| HDL 200 HDN 200 HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDBG 200 KFMF 200 KFV 200 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KZF 200 KZF-ES 200 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |

Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| ODL 200 ODN 200 LP 205 AL-D 210 AN-D 210 BB-D 210 BH-D 210 BHD-FC 210 GHD-FC 210 GHDN 210 HFKN-D 210 HYND-S 210 AP-D 215 APL-D 215 NT-D 215 HD-B 220 HDN 220 ODL 220 ODN 220 HYND-S 226 SP 240 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| AL-D 250 AN-D 250 BB-D 250 BH-D 250 BHD-FC 250 CD 250 GHD-FC 250 GHDN 250 HDL 250 HDN 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| HDN 250S | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| HFK 250 HFKS 250 HYND-S 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| KDV 250 KDVG 250 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| KFMF 250 KFV 250 LP 250 ODL 250 ODN 250 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| AP-D 260 APL-D 260 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |
| HFKN-D 260 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| NT-D 260 | SBM-STA 170 | 0112173 | 17 | 40 | 60 | 420 | 2.8 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| SP 280 | | | | | | | |
| HD-B 300 | | | | | | | |
| GHD-FC 305 | | | | | | | |
| GHDN 305 | | | | | | | |
| AL-D 315 | | | | | | | |
| AN-D 315 | | | | | | | |
| AP-D 315 | | | | | | | |
| APL-D 315 | | | | | | | |
| BB-D 315 | | | | | | | |
| BH-D 315 | | | | | | | |
| BHD-FC 315 | | | | | | | |
| CD 315 | | | | | | | |
| GHD-FC 315 | | | | | | | |
| GHDN 315 | | | | | | | |
| HDL 315 | | | | | | | |
| HDN 315 | | | | | | | |
| HFK 315 | | | | | | | |
| HFKN-D 315 | | | | | | | |
| HFKS 315 | SBM-STA 210 | 0112184 | 21 | 50 | 80 | 420 | 4.6 |
| HYND-S 315 | | | | | | | |
| KDV 315 | | | | | | | |
| KDVG 315 | | | | | | | |
| KFMF 315 | | | | | | | |
| KFV 315 | | | | | | | |
| NT-D 315 | | | | | | | |
| ODL 315 | | | | | | | |
| ODN 315 | | | | | | | |
| SP 350 | | | | | | | |
| GHD 400 | | | | | | | |
| GHD-FC 400 | | | | | | | |
| GHDN 400 | | | | | | | |
| HDL 400 | | | | | | | |
| HDN 400 | | | | | | | |
| KDV 400 | | | | | | | |
| KDVG 400 | | | | | | | |
| ODL 400 | | | | | | | |
| ODN 400 | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



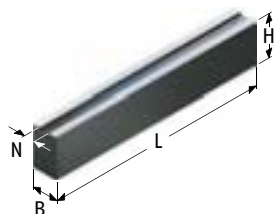
For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 3/32" x 90°

- *Universal use*
- *To produce longer jaws*
- *Undrilled for individual cutting to length*
- *Delivery unit: 1 piece*
- *Material: Steel 16MnCr5 suitable for case hardening*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| BB-AZ ES 500/590 | SBM-ST 250 | 0112190 | 25.5 | 60 | 100 | 420 | 19.2 |
| BB-N ES 460/470 | | | | | | | |
| KZF 250 | | | | | | | |
| KZF-ES 250 | | | | | | | |
| KZF 315 | | | | | | | |
| KZF-ES 315 | | | | | | | |
| LP 380 | | | | | | | |
| AL-D 400 | | | | | | | |
| AN-D 400 | | | | | | | |
| AP-D 400 | | | | | | | |
| APL-D 400 | | | | | | | |
| BB-N 400 | | | | | | | |
| BB-N ES 400 | | | | | | | |
| BH-D 400 | | | | | | | |
| BHD-FC 400 | | | | | | | |
| HFK 400 | | | | | | | |
| HFKN-D 400 | | | | | | | |
| HFKS 400 | | | | | | | |
| HYD-S 400 | | | | | | | |
| KFV 400 | | | | | | | |
| NT-D 400 | | | | | | | |
| BH-D 450 | | | | | | | |
| BB-N 460 | | | | | | | |
| LP 460 | | | | | | | |
| BB-N 500 | | | | | | | |
| BB-N ES 500 | | | | | | | |
| BH-D 500 | | | | | | | |
| BHD-FC 500 | | | | | | | |
| GHD 500 | | | | | | | |
| HFK 500 | | | | | | | |
| HFKN-D 500 | | | | | | | |
| HFKS 500 | | | | | | | |
| HYDL-S 500 | | | | | | | |
| HYD-S 500 | | | | | | | |
| IL-D 500 | | | | | | | |
| IN-D 500 | | | | | | | |
| | SBM-ST 251 | 0112191 | 25.5 | 60 | 160 | 420 | 30.9 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


SMW-AUTOBLOK


Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| KDV 500 | | | | | | | |
| KDVG 500 | | | | | | | |
| KFV 500 | | | | | | | |
| LP 500 | | | | | | | |
| HYDLL-S 550 | | | | | | | |
| HYDL-S 550 | | | | | | | |
| BB-N 600 | | | | | | | |
| BB-N ES 600 | | | | | | | |
| GHD 610 | | | | | | | |
| BH-D 630 | | | | | | | |
| BHD-FC 630 | | | | | | | |
| HYDLL-S 630 | SBM-ST 251 | 0112191 | 25.5 | 60 | 160 | 420 | 30.9 |
| HYDL-S 630 | | | | | | | |
| IL-D 630 | | | | | | | |
| IN-D 630 | | | | | | | |
| KFV 630 | | | | | | | |
| GHD 640 | | | | | | | |
| BH-D 800 | | | | | | | |
| GHD 800 | | | | | | | |
| HYDL-S 800 | | | | | | | |
| IL-D 800 | | | | | | | |
| IN-D 800 | | | | | | | |
| KFV 800 | | | | | | | |

 Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

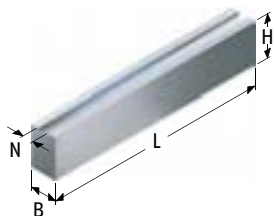
Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 3/32" x 90°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 3/32" x 90°

- *Universal use*
- *To produce longer jaws*
- *Undrilled for individual cutting to length*
- *Delivery unit: 1 piece*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| BB-AZ ES 500/590 BB-N ES 460/470 KZF 250 KZF-ES 250 KZF 315 KZF-ES 315 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |
| LP 380 AL-D 400 AN-D 400 AP-D 400 APL-D 400 BB-N 400 BB-N ES 400 BH-D 400 BHD-FC 400 HFK 400 HFKN-D 400 HFKS 400 HYD-S 400 KFV 400 NT-D 400 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |
| BH-D 450 BB-N 460 LP 460 BB-N 500 BB-N ES 500 BH-D 500 BHD-FC 500 GHD 500 HFK 500 HFKN-D 500 HFKS 500 HYDL-S 500 HYD-S 500 IL-D 500 IN-D 500 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| KDV 500 KDVG 500 KfV 500 LP 500 HYDLL-S 550 HYDL-S 550 BB-N 600 BB-N ES 600 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |
| GHD 610 BH-D 630 BHD-FC 630 HYDLL-S 630 HYDL-S 630 IL-D 630 IN-D 630 KfV 630 GHD 640 BH-D 800 GHD 800 HYDL-S 800 IL-D 800 IN-D 800 KfV 800 | SBM-STA 250 | 0112187 | 25.5 | 60 | 100 | 420 | 7 |

SCHUNK

BERG

FORKARDT


HOWA


KITAGAWA

RÖHM

SAMCHULLY

SMW-AUTOBLOK

 Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

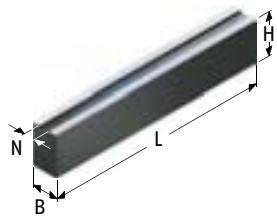
 For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



Fine serration 1,5 mm x 60°

- Universal use
- To produce longer jaws
- Undrilled for individual cutting to length
- Delivery unit: 1 piece
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| AL-M 125 AN-M 125 BH-M 130 BB-M 140 AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 AP-M 170 NT-M 170 BB-M 175 | JBM-ST 120 | 0114510 | 12 | 35 | 60 | 420 | 6.7 |
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | JBM-ST 140 | 0114520 | 14 | 40 | 80 | 420 | 10.2 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | JBM-ST 141 | 0114521 | 14 | 60 | 60 | 420 | 11.2 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | JBM-ST 160 | 0114530 | 16 | 40 | 80 | 420 | 10.2 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | JBM-ST 161 | 0114531 | 16 | 40 | 120 | 420 | 15.4 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | JBM-ST 162 | 0114532 | 16 | 60 | 60 | 420 | 11.4 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | JBM-ST 210 | 0114540 | 21 | 50 | 80 | 420 | 12.7 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | JBM-ST 211 | 0114541 | 21 | 60 | 120 | 420 | 23.2 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen | *Serrated Bars*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| AL-M 400 AN-M 400 APL-M 400 AP-M 400 BH-M 400 BHM-FC 400 | JBM-ST 220 | 0114550 | 22 | 60 | 120 | 420 | 23.2 |
| GH-M 400 | JBM-ST 210 | 0114540 | 21 | 50 | 80 | 420 | 12.7 |
| | JBM-ST 211 | 0114541 | 21 | 60 | 120 | 420 | 23.2 |
| NT-M 400 BH-M 450 | JBM-ST 220 | 0114550 | 22 | 60 | 120 | 420 | 23.2 |

SCHUNK

BERG

FORKARDT

HOWA

KITAGAWA

RÖHM

SAMCHULLY

SMW-AUTOBLOK



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

SMW-AUTOBLOK

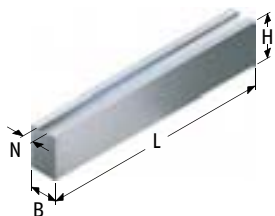
Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 1,5 mm x 60°

- Universeller Einsatz
- Zur Herstellung von langen Spannbacken
- Ungebohrt zum individuellen Ablängen
- Liefereinheit: 1 Stück
- Material: Aluminium

Fine serration 1,5 mm x 60°

- *Universal use*
- *To produce longer jaws*
- *Undrilled for individual cutting to length*
- *Delivery unit: 1 piece*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| AL-M 125 AN-M 125 BH-M 130 BB-M 140 AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 AP-M 170 NT-M 170 BB-M 175 | JBM-STA 120 | 0114511 | 12 | 40 | 60 | 420 | 2.8 |
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | JBM-STA 140 | 0114522 | 14 | 40 | 80 | 420 | 3.7 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | JBM-STA 160 | 0114533 | 16 | 40 | 80 | 420 | 3.7 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | JBM-STA 210 | 0114542 | 21 | 50 | 80 | 420 | 4.6 |



Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Verzahnte Stangen Aluminium | *Serrated Bars Aluminum*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | m/Stück <i>m/piece</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------------------------------|
| AL-M 400 AN-M 400 APL-M 400 AP-M 400 BH-M 400 BHM-FC 400 | JBM-STA 220 | 0114552 | 22 | 60 | 100 | 420 | 7 |
| GH-M 400 | JBM-STA 210 | 0114542 | 21 | 50 | 80 | 420 | 4.6 |
| NT-M 400 BH-M 450 | JBM-STA 220 | 0114552 | 22 | 60 | 100 | 420 | 7 |

SCHUNK

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Passende Nutensteine finden Sie ab Seite 644.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



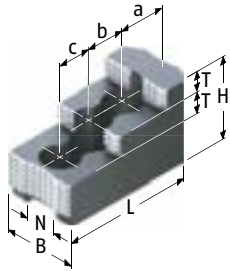
For suitable T-nuts see page 644.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter “Accessories”.

SMW-AUTOBLOK

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 1/16" x 90°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-D 125 AN-D 125 | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| SP 125 | SHB 125 | 0125100 | 11 | 26 | 40 | 58.5 | 9 | 14.5 | 16 | 16 | M8 | 0.7 |
| | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| BH-D 130 | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| HFKS 130 | SHB 125 | 0125100 | 11 | 26 | 40 | 58.5 | 9 | 14.5 | 16 | 16 | M8 | 0.7 |
| KDV 130 | SHB 130 | 0121100 | 12 | 30 | 38 | 57 | 10 | 16 | 15 | 15 | M8 | 0.7 |
| BB-D 140 BH-D 140 | | | | | | | | | | | | |
| HFK 160 HFKS 160 KDV 160 KDBG 160 KFMF 160 KFV 160 | SHB 175 | 0121103 | 17 | 35 | 44 | 64.7 | 10 | 28 | 19 | | M12 | 1.2 |
| SP 160 AL-D 165 AN-D 165 BH-D 165 BHD-FC 165 GHD-FC 165 GHDN 165 HFKN-D 165 AP-D 170 NT-D 170 BB-D 175 HYND-S 180 | SHB 200 | 0121104 | 17 | 40 | 49 | 72.5 | 12 | 18 | 19 | 19 | M12 | 1.6 |
| | SHB 165 | 0121101 | 14 | 30 | 46 | 79.7 | 11 | 16.6 | 22 | 22 | M10 | 1.3 |



Passende Nutensteine finden Sie ab Seite 644.



For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| CD 200 | | | | | | | | | | | | |
| HDL 200 | | | | | | | | | | | | |
| HDN 200 | | | | | | | | | | | | |
| HFK 200-48 | | | | | | | | | | | | |
| HFK 200-66 | | | | | | | | | | | | |
| HFKS 200 | | | | | | | | | | | | |
| KDV 200 | | | | | | | | | | | | |
| KDVG 200 | | | | | | | | | | | | |
| KFMF 200 | | | | | | | | | | | | |
| KFV 200 | | | | | | | | | | | | |
| ODL 200 | | | | | | | | | | | | |
| ODN 200 | | | | | | | | | | | | |
| LP 205 | | | | | | | | | | | | |
| AL-D 210 | | | | | | | | | | | | |
| AN-D 210 | | | | | | | | | | | | |
| BB-D 210 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| BH-D 210 | | | | | | | | | | | | |
| BHD-FC 210 | | | | | | | | | | | | |
| GHD-FC 210 | | | | | | | | | | | | |
| GHDN 210 | | | | | | | | | | | | |
| HFKN-D 210 | | | | | | | | | | | | |
| HYND-S 210 | | | | | | | | | | | | |
| AP-D 215 | | | | | | | | | | | | |
| APL-D 215 | | | | | | | | | | | | |
| NT-D 215 | | | | | | | | | | | | |
| HD-B 220 | | | | | | | | | | | | |
| HDN 220 | | | | | | | | | | | | |
| ODL 220 | | | | | | | | | | | | |
| ODN 220 | | | | | | | | | | | | |
| HYND-S 226 | | | | | | | | | | | | |
| SP 240 | | | | | | | | | | | | |
| AL-D 250 | | | | | | | | | | | | |
| AN-D 250 | | | | | | | | | | | | |
| BB-D 250 | | | | | | | | | | | | |
| BH-D 250 | | | | | | | | | | | | |
| BHD-FC 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| CD 250 | | | | | | | | | | | | |
| GHD-FC 250 | | | | | | | | | | | | |
| GHDN 250 | | | | | | | | | | | | |
| HDL 250 | | | | | | | | | | | | |
| HDN 250 | | | | | | | | | | | | |
| HDN 250S | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| HFK 250 | | | | | | | | | | | | |
| HFKS 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| HYND-S 250 | | | | | | | | | | | | |
| KDV 250 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| KDVG 250 | | | | | | | | | | | | |
| KFMF 250 | | | | | | | | | | | | |
| KFV 250 | | | | | | | | | | | | |
| LP 250 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| ODL 250 | | | | | | | | | | | | |
| ODN 250 | | | | | | | | | | | | |
| AP-D 260 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| APL-D 260 | | | | | | | | | | | | |
| HFKN-D 260 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |
| NT-D 260 | SHB 210 | 0121102 | 17 | 40 | 49 | 84.3 | 12 | 28.7 | 19 | 19 | M12 | 2 |
| SP 280 | SHB 250 | 0121105 | 21 | 50 | 58 | 103.5 | 14 | 34 | 25 | 25 | M16 | 3.5 |



Passende Nutensteine finden Sie ab Seite 644.



For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HD-B 300 | | | | | | | | | | | | |
| GHD-FC 305 | | | | | | | | | | | | |
| GHDN 305 | | | | | | | | | | | | |
| AL-D 315 | | | | | | | | | | | | |
| AN-D 315 | | | | | | | | | | | | |
| AP-D 315 | | | | | | | | | | | | |
| APL-D 315 | | | | | | | | | | | | |
| BB-D 315 | | | | | | | | | | | | |
| BH-D 315 | | | | | | | | | | | | |
| BHD-FC 315 | | | | | | | | | | | | |
| CD 315 | | | | | | | | | | | | |
| GHD-FC 315 | | | | | | | | | | | | |
| GHDN 315 | | | | | | | | | | | | |
| HDL 315 | | | | | | | | | | | | |
| HDN 315 | | | | | | | | | | | | |
| HFK 315 | | | | | | | | | | | | |
| HFKN-D 315 | | | | | | | | | | | | |
| HFKS 315 | SHB 315 | 01211111 | 21 | 50 | 58 | 128 | 14 | 46 | 30 | 30 | M16 | 4.6 |
| HYND-S 315 | | | | | | | | | | | | |
| KDV 315 | | | | | | | | | | | | |
| KDVG 315 | | | | | | | | | | | | |
| KFMF 315 | | | | | | | | | | | | |
| KFV 315 | | | | | | | | | | | | |
| NT-D 315 | | | | | | | | | | | | |
| ODL 315 | | | | | | | | | | | | |
| ODN 315 | | | | | | | | | | | | |
| SP 350 | | | | | | | | | | | | |
| GHD 400 | | | | | | | | | | | | |
| GHD-FC 400 | | | | | | | | | | | | |
| GHDN 400 | | | | | | | | | | | | |
| HDL 400 | | | | | | | | | | | | |
| HDN 400 | | | | | | | | | | | | |
| KDV 400 | | | | | | | | | | | | |
| KDVG 400 | | | | | | | | | | | | |
| ODL 400 | | | | | | | | | | | | |
| ODN 400 | | | | | | | | | | | | |



Passende Nutensteine finden Sie ab Seite 644.



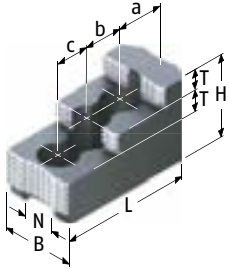
For suitable T-nuts see page 644.

SMW-AUTOBLOK

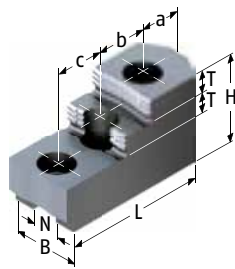
Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 3/32" x 90°

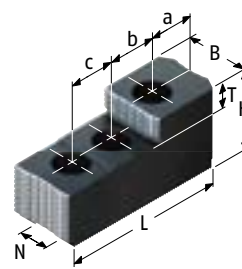
- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*



Ausführung 3 | *Version 3*

Fine serration 3/32" x 90°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Set <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|-------------------------------|
| BB-AZ ES 500/590 BB-N ES 460/470 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| LP 380 | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| AL-D 400 AN-D 400 AP-D 400 APL-D 400 BB-N 400 BB-N ES 400 BH-D 400 BHD-FC 400 HFK 400 HFKN-D 400 HFKS 400 HYD-S 400 KfV 400 NT-D 400 BH-D 450 BB-N 460 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| LP 460 | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |
| BB-N 500 BB-N ES 500 BH-D 500 BHD-FC 500 GHD 500 HFK 500 HFKN-D 500 HFKS 500 HYDL-S 500 HYD-S 500 IL-D 500 IN-D 500 KDV 500 KDVG 500 KfV 500 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| LP 500 | SP-HB 400/500 | 0125105 | 3 | 25.5 | 57 | 73 | 160 | 22 | 43.1 | 42 | 42 | M18 | 10.2 |



Passende Nutensteine finden Sie ab Seite 644.



For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HYDLL-S 550 HYDL-S 550 BB-N 600 BB-N ES 600 GHD 610 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| BB-N 630 | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| BH-D 630 BHD-FC 630 HYDLL-S 630 HYDL-S 630 IL-D 630 IN-D 630 KFV 630 GHD 640 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |
| BB-AZ ES 750 | SP-HB 630 | 0125106 | 3 | 30 | 75 | 88 | 174.5 | 30 | 44.5 | 50 | 50 | M24 | 16.2 |
| BB-N 800 | SP-HB 800 | 0125108 | 2 | 30 | 75 | 105 | 250 | 22 | 91.8 | 60 | 60 | M24 | 29.4 |
| BH-D 800 GHD 800 HYDL-S 800 IL-D 800 IN-D 800 KFV 800 | SHB 400 | 0121107 | 1 | 25.5 | 60 | 75 | 140 | 18 | 53 | 31 | 31 | M20 | 8 |



Passende Nutensteine finden Sie ab Seite 644.



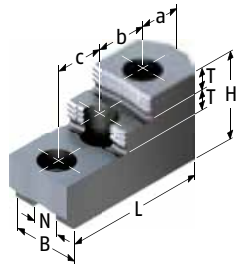
For suitable T-nuts see page 644.

SMW-AUTOBLOK

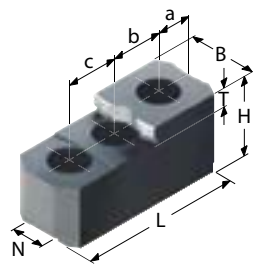
Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 1,5 mm x 60°

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

Fine serration 1,5 mm x 60°

- Universal for O.D.- and I.D.-Clamping
- Big clamping ranges
- Clamping surfaces with diamond serration
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 AP-M 170 NT-M 170 BB-M 175 | SHB-J 60 ⁰⁷⁾ | 0133100 | 2 | 12 | 28 | 36 | 67 | 12 | 14 | 20 | 20 | M10 | 0.8 |
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 APL-M 215 AP-M 215 NT-M 215 | SHB-J 80 | 0133109 | 1 | 14 | 35 | 51 | 87 | 12 | 15.5 | 25 | 25 | M12 | 1.85 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | SHB-J 82 ⁰⁷⁾ | 0133110 | 2 | 14 | 32 | 38 | 79 | 12 | 16 | 25 | 25 | M12 | 1.2 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 APL-M 260 AP-M 260 HFKN-M 260 NT-M 260 | SHB-J 100 | 0133111 | 1 | 16 | 40 | 54 | 101.5 | 13 | 25.5 | 30 | 30 | M12 | 2.8 |
| BB-M 305 AL-M 315 AN-M 315 APL-M 315 AP-M 315 BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | SHB-J 122 ⁰⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| BB-M 315 BH-M 315 BHM-FC 315 HFKN-M 315 NT-M 315 | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |



Passende Nutensteine finden Sie ab Seite 644.



For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-M 400 AN-M 400 APL-M 400 AP-M 400 BH-M 400 BHM-FC 400 | SHB-J 150 | 0133114 | 1 | 22 | 60 | 86 | 143 | 20 | 27 | 43 | 43 | M20 | 9 |
| GH-M 400 | SHB-J 122 ⁷⁾ | 0133113 | 2 | 21 | 50 | 52 | 104 | 18 | 20 | 30 | 30 | M16 | 3.3 |
| | SHB-J 126 | 0133105 | 1 | 21 | 50 | 62 | 128 | 14 | 46 | 30 | 30 | M16 | 5.15 |
| NT-M 400 BH-M 450 | SHB-J 150 | 0133114 | 1 | 22 | 60 | 86 | 143 | 20 | 27 | 43 | 43 | M20 | 9 |

7) Gewichtserleichterte Ausführung für max. Drehzahlen.

7) *Reduced weight for higher RPM's.*



Passende Nutensteine finden Sie ab Seite 644.



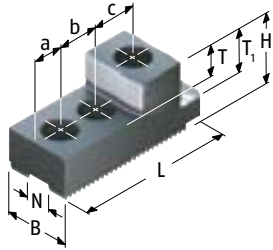
For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Modul2 Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Modul2 Serration

- *Universal for O.D.- and I.D.-Clamping*
- *Big clamping ranges*
- *Clamping surfaces with diamond serration*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5, hardened*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | T1 [mm] | a [mm] | b [mm] | c [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KDS 800 KDS 1000 | SHB-M 800 | 0121160 | 30 | 78 | 87 | 190 | 37 | 52 | 32 | 50 | 50 | M24 | 15 |



Passende Nutensteine finden Sie ab Seite 644.



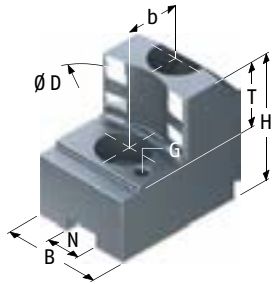
For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFKS 160 | 37 - 62 | 177 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 56 - 81 | 177 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 78 - 103 | 177 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 96 - 122 | 182 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 118 - 144 | 202 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KDV 160 | 28 - 52 | 168 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 45 - 71 | 167 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 67 - 94 | 167 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 85 - 112 | 172 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 107 - 134 | 192 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KDVG 160 | 28 - 52 | 168 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 45 - 71 | 167 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 67 - 94 | 167 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 85 - 112 | 172 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 107 - 134 | 192 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KFMF 160 | 38 - 63 | 178 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 57 - 82 | 178 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 79 - 104 | 178 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 97 - 122 | 183 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 119 - 144 | 203 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |
| KFV 160 | 28 - 54 | 169 | SZA 16-30 | 0122110 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.3 |
| | 44 - 73 | 169 | SZA 16-31 | 0122111 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 66 - 96 | 169 | SZA 16-32 | 0122112 | 17 | 35 | 50 | 20 | M5 | 19 | M12 | 1.1 |
| | 84 - 114 | 174 | SZA 16-33 | 0122113 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.2 |
| | 106 - 136 | 194 | SZA 16-34 | 0122114 | 17 | 40 | 50 | 20 | M5 | 19 | M12 | 1.6 |

Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AL-D 165 | 30 - 60 | 182 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 48 - 83 | 184 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 74 - 110 | 185 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 100 - 136 | 193 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| AN-D 165 | 30 - 55 | 176 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 51 - 77 | 178 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 77 - 104 | 179 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 102 - 130 | 187 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BH-D 165 | 30 - 52 | 173 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 49 - 74 | 175 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 75 - 101 | 176 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 101 - 127 | 184 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BHD-FC 165 | 30 - 56 | 177 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 51 - 78 | 179 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 77 - 105 | 180 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 102 - 131 | 188 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| GHD-FC 165 | 30 - 55 | 176 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 51 - 76 | 177 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 77 - 102 | 177 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 102 - 128 | 185 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| GHDN 165 | 30 - 55 | 176 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 51 - 76 | 177 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 77 - 102 | 177 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 102 - 128 | 185 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HFKN-D 165 | 30 - 56 | 177 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 51 - 78 | 179 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 77 - 105 | 180 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 102 - 131 | 188 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| AP-D 170 | 30 - 61 | 183 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 52 - 84 | 185 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 78 - 111 | 186 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 103 - 137 | 194 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| NT-D 170 | 30 - 61 | 183 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 52 - 84 | 185 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 78 - 111 | 186 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 103 - 137 | 194 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BB-D 175 | 38 - 63 | 185 | SZA 17-1 | 0122260 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 60 - 86 | 187 | SZA 17-2 | 0122261 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 86 - 113 | 188 | SZA 17-3 | 0122262 | 14 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 112 - 139 | 196 | SZA 17-4 | 0122263 | 14 | 35 | 47 | 20 | M6 | 20 | M10 | 1.2 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFK 200-48 | 29 - 68 | 216 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 46 - 95 | 216 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 125 | 216 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 102 - 152 | 218 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 132 - 182 | 242 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| HFK 200-66 | 33 - 67 | 215 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 60 - 94 | 215 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 89 - 124 | 215 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 116 - 151 | 217 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 146 - 181 | 241 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| HFKS 200 | 33 - 67 | 215 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 60 - 94 | 215 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 89 - 124 | 215 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 116 - 151 | 217 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 146 - 181 | 241 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KDV 200 | 29 - 58 | 206 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 46 - 86 | 206 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 115 | 206 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 102 - 142 | 208 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 132 - 172 | 232 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KDVG 200 | 29 - 58 | 206 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 46 - 86 | 206 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 115 | 206 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 102 - 142 | 208 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 132 - 172 | 232 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFMF 200 | 29 - 63 | 211 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 51 - 90 | 211 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 80 - 120 | 211 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 107 - 147 | 213 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 136 - 177 | 237 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFV 200 | 29 - 60 | 208 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 47 - 88 | 208 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 76 - 117 | 208 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 103 - 144 | 210 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 133 - 174 | 234 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| AL-D 210 | 29 - 72 | 220 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 99 | 220 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 129 | 220 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 156 | 222 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 186 | 246 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".



SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AN-D 210 | 29 - 64 | 212 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 91 | 212 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 121 | 212 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 148 | 214 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 178 | 238 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| BB-D 210 | 33 - 68 | 216 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 60 - 95 | 216 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 89 - 125 | 216 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 116 - 152 | 218 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 146 - 182 | 242 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| BH-D 210 | 30 - 67 | 215 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 46 - 94 | 215 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 124 | 215 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 101 - 151 | 217 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 131 - 181 | 241 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| BHD-FC 210 | 30 - 67 | 215 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 46 - 94 | 215 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 124 | 215 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 101 - 151 | 217 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 131 - 181 | 241 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| GHD-FC 210 | 30 - 71 | 220 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 60 - 99 | 220 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 85 - 128 | 219 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 114 - 155 | 221 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 144 - 185 | 245 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| GHDN 210 | 30 - 71 | 220 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 60 - 99 | 220 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 85 - 118 | 219 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 114 - 155 | 221 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 144 - 185 | 245 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| HFKN-D 210 | 29 - 78 | 227 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 47 - 106 | 227 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 75 - 136 | 227 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 102 - 163 | 229 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 132 - 193 | 253 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| AP-D 215 | 29 - 70 | 218 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 97 | 218 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 127 | 218 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 154 | 220 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 184 | 244 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |

 Passende Nutensteine finden Sie ab Seite 644.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| APL-D 215 | 29 - 78 | 227 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 52 - 106 | 227 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 81 - 136 | 227 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 108 - 163 | 229 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 138 - 193 | 253 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| NT-D 215 | 29 - 70 | 218 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 55 - 97 | 218 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 84 - 127 | 218 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 111 - 154 | 220 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 141 - 184 | 244 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| AL-D 250 | 47 - 98 | 266 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 86 - 138 | 266 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 188 | 268 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 182 - 235 | 305 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| AN-D 250 | 47 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 86 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 182 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 182 - 229 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| BB-D 250 | 56 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 96 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 145 - 182 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 192 - 229 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| BH-D 250 | 46 - 91 | 259 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 85 - 131 | 259 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 135 - 181 | 261 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 181 - 228 | 298 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| BHD-FC 250 | 46 - 91 | 259 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 85 - 131 | 259 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 135 - 181 | 261 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 181 - 228 | 298 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| GHD-FC 250 | 47 - 95 | 263 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 87 - 135 | 263 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 185 | 265 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 183 - 232 | 302 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| GHDN 250 | 47 - 95 | 263 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 87 - 135 | 263 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 185 | 265 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 183 - 232 | 302 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".



SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFK 250 | 47 - 95 | 263 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 87 - 135 | 263 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 185 | 265 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 183 - 232 | 302 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| HFKS 250 | 47 - 95 | 263 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 87 - 135 | 263 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 136 - 185 | 265 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 183 - 232 | 302 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KDV 250 | 38 - 94 | 262 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 65 - 134 | 262 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 114 - 184 | 264 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 160 - 231 | 301 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KDVG 250 | 29 - 107 | 256 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 54 - 134 | 256 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 83 - 164 | 256 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 109 - 192 | 258 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 139 - 222 | 282 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| KFMF 250 | 43 - 98 | 266 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 82 - 138 | 266 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 131 - 188 | 268 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 178 - 235 | 305 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| KFV 250 | 42 - 92 | 260 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 81 - 132 | 260 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 130 - 182 | 262 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 177 - 229 | 299 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| AP-D 260 | 38 - 115 | 264 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 65 - 142 | 264 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 95 - 172 | 264 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 122 - 199 | 266 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 152 - 230 | 290 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| APL-D 260 | 33 - 115 | 264 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 60 - 142 | 264 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 89 - 172 | 264 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 116 - 199 | 266 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 146 - 230 | 290 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| HFKN-D 260 | 46 - 106 | 274 | SZA 25-37 | 0138180 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.3 |
| | 85 - 146 | 274 | SZA 25-38 | 0138181 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.9 |
| | 134 - 195 | 276 | SZA 25-39 | 0138182 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 2.7 |
| | 181 - 242 | 313 | SZA 25-40 | 0138183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |

 Passende Nutensteine finden Sie ab Seite 644.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| NT-D 260 | 38 - 115 | 264 | SZA 20-14 | 0138195 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| | 65 - 142 | 264 | SZA 20-15 | 0138196 | 17 | 35 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 95 - 172 | 264 | SZA 20-16 | 0138197 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.5 |
| | 122 - 199 | 266 | SZA 20-17 | 0138198 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.6 |
| | 152 - 230 | 290 | SZA 20-18 | 0138199 | 17 | 40 | 50 | 25 | M6 | 22 | M12 | 1.8 |
| AL-D 315 | 44 - 136 | 337 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 95 - 194 | 338 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 160 - 260 | 336 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 224 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| AN-D 315 | 44 - 128 | 329 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 95 - 186 | 330 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 159 - 252 | 328 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 223 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| AP-D 315 | 44 - 127 | 328 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 94 - 185 | 329 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 158 - 251 | 327 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 222 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| APL-D 315 | 44 - 139 | 340 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 85 - 197 | 341 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 149 - 263 | 339 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 213 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| BB-D 315 | 81 - 127 | 328 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 139 - 185 | 329 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 204 - 251 | 327 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 268 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| BH-D 315 | 51 - 128 | 329 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 109 - 186 | 330 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 174 - 252 | 328 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 238 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| BHD-FC 315 | 51 - 128 | 329 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 109 - 186 | 330 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 174 - 252 | 328 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 238 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| HFK 315 | 44 - 136 | 337 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 101 - 194 | 338 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 165 - 260 | 336 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 229 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| HFKN-D 315 | 59 - 137 | 338 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 117 - 195 | 339 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 182 - 261 | 337 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 246 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".



SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFKS 315 | 44 - 136 | 337 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 101 - 194 | 338 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 165 - 260 | 336 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 229 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KDV 315 | 44 - 130 | 331 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 73 - 188 | 332 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 136 - 254 | 330 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 200 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KDBG 315 | 44 - 130 | 331 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 73 - 188 | 332 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 136 - 254 | 330 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 200 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFMF 315 | 45 - 136 | 337 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 103 - 194 | 338 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 167 - 260 | 336 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 231 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KFV 315 | 44 - 132 | 333 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 88 - 190 | 334 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 152 - 256 | 332 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 216 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| NT-D 315 | 44 - 127 | 328 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 94 - 185 | 329 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 158 - 251 | 327 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 222 - 315 | 387 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KDV 400 | 44 - 214 | 415 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 71 - 271 | 416 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 134 - 337 | 414 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 198 - 400 | 473 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |
| KDBG 400 | 44 - 214 | 415 | SZA 31-10 | 0138184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 71 - 271 | 416 | SZA 31-11 | 0138185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.4 |
| | 134 - 337 | 414 | SZA 31-12 | 0138186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 198 - 400 | 473 | SZA 31-13 | 0138187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.5 |

 Passende Nutensteine finden Sie ab Seite 644.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

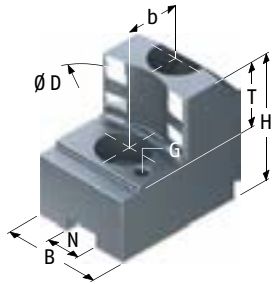
 For suitable T-nuts see page 644.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AL-D 400 | 75 - 170 | 434 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 150 - 245 | 470 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 233 - 329 | 450 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 304 - 390 | 484 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| AN-D 400 | 75 - 158 | 422 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 150 - 233 | 458 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 233 - 317 | 438 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 304 - 388 | 483 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| AP-D 400 | 59 - 154 | 418 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 133 - 229 | 454 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 215 - 314 | 434 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 286 - 384 | 479 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| APL-D 400 | 56 - 168 | 432 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 126 - 243 | 468 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 209 - 327 | 448 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 279 - 390 | 484 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| BH-D 400 | 74 - 156 | 420 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 149 - 231 | 456 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 232 - 315 | 436 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 303 - 386 | 481 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| BHD-FC 400 | 74 - 156 | 420 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 149 - 231 | 456 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 232 - 315 | 436 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 303 - 386 | 481 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |

Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFK 400 | 74 - 175 | 439 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 149 - 250 | 475 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 232 - 334 | 455 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 303 - 400 | 494 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| HFKN-D 400 | 70 - 174 | 438 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 144 - 249 | 474 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 227 - 333 | 454 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 298 - 400 | 494 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| HFKS 400 | 74 - 175 | 439 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 149 - 250 | 475 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 232 - 334 | 455 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 303 - 400 | 494 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFV 400 | 56 - 166 | 430 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 126 - 241 | 466 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 209 - 325 | 446 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 279 - 396 | 491 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| NT-D 400 | 59 - 154 | 418 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 133 - 229 | 454 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 215 - 314 | 434 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 286 - 384 | 479 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| BH-D 450 | 74 - 215 | 480 | SZA 40-11 | 0138300 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 149 - 291 | 516 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 232 - 375 | 496 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 303 - 446 | 540 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| BH-D 500 | 112 - 255 | 601 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 211 - 355 | 581 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 295 - 439 | 561 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 366 - 510 | 605 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| BHD-FC 500 | 87 - 250 | 596 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 185 - 350 | 576 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 269 - 434 | 556 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 340 - 506 | 601 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| HFK 500 | 92 - 244 | 589 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 190 - 344 | 570 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 274 - 428 | 550 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 345 - 500 | 595 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| HFKN-D 500 | 74 - 248 | 593 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 171 - 348 | 574 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 255 - 432 | 554 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 326 - 500 | 595 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFKS 500 | 92 - 244 | 589 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 190 - 344 | 570 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 274 - 428 | 550 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 345 - 500 | 595 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KDV 500 | 74 - 236 | 581 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 104 - 336 | 562 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 186 - 420 | 542 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 256 - 492 | 587 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KDVG 500 | 74 - 236 | 581 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 104 - 336 | 562 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 186 - 420 | 542 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 256 - 492 | 587 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| KFV 500 | 73 - 240 | 585 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 126 - 340 | 566 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 209 - 424 | 546 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 279 - 496 | 590 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| BH-D 630 | 205 - 367 | 712 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 305 - 468 | 694 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 390 - 552 | 674 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 461 - 623 | 718 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |
| BHD-FC 630 | 129 - 369 | 715 | SZA 40-12 | 0138301 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 11.5 |
| | 228 - 470 | 696 | SZA 40-13 | 0138302 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 313 - 554 | 676 | SZA 40-14 | 0138303 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8 |
| | 383 - 625 | 720 | SZA 40-15 | 0138304 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9.3 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



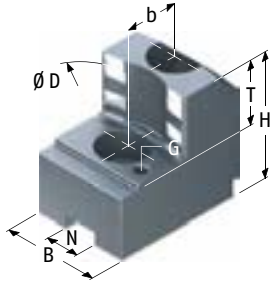
For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AL-M 165 | 28 – 62 | 182 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 42 – 77 | 182 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 58 – 94 | 182 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 72 – 107 | 182 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 88 – 124 | 182 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| AN-M 165 | 30 – 56 | 176 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 45 – 72 | 176 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 61 – 88 | 176 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 75 – 102 | 176 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 91 – 118 | 176 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BH-M 165 | 28 – 56 | 176 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 43 – 72 | 176 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 59 – 88 | 176 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 73 – 102 | 176 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 89 – 118 | 176 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BHM-FC 165 | 30 – 58 | 178 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 45 – 74 | 178 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 61 – 90 | 178 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 75 – 104 | 178 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 91 – 120 | 178 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| HFKN-M 165 | 30 – 57 | 177 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 45 – 73 | 177 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 61 – 89 | 177 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 75 – 103 | 177 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 91 – 119 | 177 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |

Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.



SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AP-M 170 | 31 - 63 | 183 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 46 - 78 | 183 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 62 - 95 | 183 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 76 - 108 | 183 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 92 - 125 | 183 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| NT-M 170 | 31 - 63 | 183 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 46 - 78 | 183 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 62 - 95 | 183 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 76 - 108 | 183 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 92 - 125 | 183 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| BB-M 175 | 39 - 68 | 188 | SZAJ 16-6 | 0176100 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| | 54 - 83 | 188 | SZAJ 16-7 | 0176101 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1 |
| | 70 - 100 | 188 | SZAJ 16-8 | 0176102 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 84 - 113 | 188 | SZAJ 16-9 | 0176103 | 12 | 30 | 47 | 20 | M6 | 20 | M10 | 1.1 |
| | 100 - 129 | 188 | SZAJ 16-10 | 0176104 | 12 | 40 | 47 | 20 | M6 | 20 | M10 | 1.2 |
| AL-M 210 | 35 - 79 | 226 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 62 - 107 | 226 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 93 - 137 | 226 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 123 - 168 | 226 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| AN-M 210 | 35 - 71 | 218 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 62 - 99 | 218 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 93 - 129 | 218 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 123 - 160 | 218 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| BB-M 210 | 40 - 73 | 220 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 67 - 101 | 220 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 97 - 131 | 220 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 128 - 162 | 220 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| BH-M 210 | 30 - 72 | 219 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 53 - 100 | 219 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 83 - 130 | 219 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 113 - 161 | 219 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| BHM-FC 210 | 30 - 72 | 219 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 53 - 100 | 219 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 83 - 130 | 219 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 113 - 161 | 219 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| HFKN-M 210 | 30 - 80 | 227 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 54 - 108 | 227 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 84 - 138 | 227 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 114 - 169 | 227 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |

 Passende Nutensteine finden Sie ab Seite 644.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| APL-M 215 | 32 - 86 | 233 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 59 - 114 | 233 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 90 - 144 | 233 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 120 - 175 | 233 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| AP-M 215 | 35 - 77 | 224 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 62 - 105 | 224 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 92 - 135 | 224 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 122 - 166 | 224 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| NT-M 215 | 35 - 77 | 224 | SZAJ 20-1 | 0138110 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.9 |
| | 62 - 105 | 224 | SZAJ 20-2 | 0138112 | 14 | 35 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| | 92 - 135 | 224 | SZAJ 20-3 | 0138114 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.7 |
| | 122 - 166 | 224 | SZAJ 20-4 | 0138116 | 14 | 40 | 53 | 25 | M6 | 25 | M12 | 1.6 |
| AL-M 250 | 42 - 93 | 270 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 83 - 135 | 270 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 127 - 179 | 274 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 172 - 225 | 290 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 207 - 254 | 317 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| AN-M 250 | 42 - 83 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 83 - 125 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 127 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 172 - 215 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 207 - 250 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| BB-M 250 | 51 - 83 | 260 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 93 - 125 | 260 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 137 - 169 | 264 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 182 - 215 | 280 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 217 - 250 | 312 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| BH-M 250 | 41 - 82 | 259 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 82 - 124 | 259 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 126 - 168 | 263 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 171 - 214 | 279 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 206 - 249 | 311 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| BHM-FC 250 | 41 - 82 | 259 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 82 - 124 | 259 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 126 - 168 | 263 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 171 - 214 | 279 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 206 - 249 | 311 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter “Accesso-
ries”.

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| APL-M 260 | 37 - 92 | 270 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 68 - 135 | 270 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 112 - 179 | 274 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 156 - 225 | 290 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 191 - 260 | 322 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| AP-M 260 | 37 - 93 | 270 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 74 - 135 | 270 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 117 - 179 | 274 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 162 - 225 | 290 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 197 - 260 | 322 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| HFKN-M 260 | 41 - 97 | 274 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 82 - 139 | 274 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 126 - 183 | 278 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 171 - 229 | 294 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 206 - 260 | 322 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| NT-M 260 | 37 - 93 | 270 | SZAJ 25-1 | 0138117 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.9 |
| | 74 - 135 | 270 | SZAJ 25-2 | 0138119 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 117 - 179 | 274 | SZAJ 25-3 | 0138121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.1 |
| | 162 - 225 | 290 | SZAJ 25-4 | 0138123 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.3 |
| | 197 - 260 | 322 | SZAJ 25-15 | 0138118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| AL-M 315 | 42 - 139 | 350 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 100 - 198 | 364 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 166 - 265 | 355 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 229 - 315 | 385 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| AN-M 315 | 42 - 127 | 338 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 99 - 186 | 352 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 165 - 253 | 343 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 229 - 315 | 385 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| APL-M 315 | 42 - 138 | 349 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 89 - 197 | 363 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 155 - 264 | 354 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 218 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| AP-M 315 | 42 - 126 | 337 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 98 - 185 | 351 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 164 - 252 | 342 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 228 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| BB-M 315 | 83 - 126 | 337 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 143 - 185 | 351 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 210 - 252 | 342 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 274 - 315 | 385 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".



SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| BH-M 315 | 53 - 127 | 338 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 113 - 186 | 352 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 178 - 253 | 343 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 243 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| BHM-FC 315 | 53 - 127 | 338 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 113 - 186 | 352 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 178 - 253 | 343 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 243 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| HFKN-M 315 | 62 - 136 | 347 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 122 - 195 | 361 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 188 - 262 | 352 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 252 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| NT-M 315 | 42 - 126 | 337 | SZAJ 30-5 | 0138131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.8 |
| | 98 - 185 | 351 | SZAJ 30-6 | 0138132 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.1 |
| | 164 - 252 | 342 | SZAJ 30-7 | 0138133 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 228 - 315 | 384 | SZAJ 30-8 | 0138134 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.8 |
| AL-M 400 | 55 - 137 | 420 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 112 - 195 | 426 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 172 - 255 | 426 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 232 - 316 | 447 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 292 - 376 | 463 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 352 - 390 | 469 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| AN-M 400 | 55 - 125 | 408 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 112 - 183 | 414 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 172 - 243 | 414 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 232 - 304 | 435 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 292 - 364 | 451 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 352 - 390 | 469 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| APL-M 400 | 43 - 137 | 420 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 88 - 195 | 426 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 148 - 255 | 426 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 208 - 316 | 447 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 268 - 376 | 463 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 328 - 390 | 469 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| AP-M 400 | 43 - 123 | 406 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 95 - 181 | 412 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 154 - 241 | 412 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 215 - 302 | 433 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 275 - 362 | 449 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 334 - 390 | 469 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |

 Passende Nutensteine finden Sie ab Seite 644.
 Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hörer“.

 For suitable T-nuts see page 644.
 For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| NT-M 400 | 43 - 123 | 406 | SZAJ 38-1 | 0138135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 10.2 |
| | 95 - 181 | 412 | SZAJ 38-2 | 0138136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9 |
| | 154 - 241 | 412 | SZAJ 38-3 | 0138137 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 215 - 302 | 433 | SZAJ 38-4 | 0138138 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.5 |
| | 275 - 362 | 449 | SZAJ 38-5 | 0138139 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.2 |
| | 334 - 390 | 469 | SZAJ 38-6 | 0138140 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

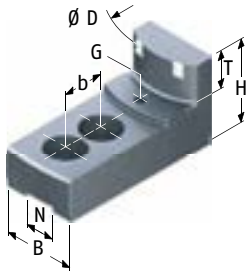
 *For suitable T-nuts see page 644.*
*For suitable soft workpiece stops see catalog chapter "Accesso-
ries".*

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFK 200-48 | 58 - 102 | 215 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 131 | 215 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 162 | 215 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| HFK 200-66 | 67 - 101 | 214 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 95 - 130 | 214 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 126 - 161 | 214 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| HFKS 200 | 67 - 101 | 214 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 95 - 130 | 214 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 126 - 161 | 214 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KDV 200 | 58 - 96 | 209 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 125 | 209 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 156 | 209 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KDBG 200 | 58 - 96 | 209 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 125 | 209 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 156 | 209 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFMF 200 | 58 - 102 | 214 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 86 - 130 | 214 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 117 - 161 | 214 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFV 200 | 58 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 82 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 113 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| AL-D 210 | 62 - 106 | 219 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 90 - 135 | 219 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 121 - 166 | 219 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| AN-D 210 | 63 - 99 | 212 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 91 - 128 | 212 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 122 - 159 | 212 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |

Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| BB-D 210 | 66 - 102 | 215 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 95 - 131 | 215 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 126 - 162 | 215 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| BH-D 210 | 58 - 101 | 214 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 130 | 214 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 111 - 161 | 214 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| BHD-FC 210 | 58 - 101 | 214 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 130 | 214 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 111 - 161 | 214 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| GHD-FC 210 | 58 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 111 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| GHDN 210 | 58 - 98 | 211 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 127 | 211 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 111 - 158 | 211 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| HFKN-D 210 | 58 - 113 | 226 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 81 - 141 | 226 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 112 - 173 | 226 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| AP-D 215 | 61 - 104 | 217 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 90 - 133 | 217 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 121 - 164 | 217 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| APL-D 215 | 59 - 113 | 226 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 87 - 141 | 226 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 118 - 173 | 226 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| NT-D 215 | 61 - 104 | 217 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 90 - 133 | 217 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 121 - 164 | 217 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| AL-D 250 | 78 - 126 | 271 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 167 | 273 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 161 - 213 | 273 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| AN-D 250 | 78 - 120 | 265 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 161 | 267 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 161 - 207 | 267 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| BB-D 250 | 85 - 120 | 265 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 126 - 161 | 267 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 171 - 207 | 267 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| BH-D 250 | 78 - 119 | 264 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 115 - 160 | 266 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 160 - 206 | 266 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| BHD-FC 250 | 78 - 119 | 264 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 115 - 160 | 266 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 160 - 206 | 266 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| GHD-FC 250 | 78 - 123 | 268 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 118 - 164 | 270 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 163 - 210 | 270 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| GHDN 250 | 78 - 123 | 268 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 118 - 164 | 270 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 163 - 210 | 270 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| HFK 250 | 78 - 122 | 268 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 164 | 270 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 162 - 210 | 270 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| HFKS 250 | 78 - 122 | 268 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 116 - 164 | 270 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 162 - 210 | 270 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KDV 250 | 60 - 146 | 259 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 88 - 174 | 259 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 119 - 205 | 259 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KDBG 250 | 60 - 146 | 259 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 88 - 174 | 259 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 119 - 205 | 259 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| KFMF 250 | 78 - 129 | 275 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 112 - 171 | 277 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 157 - 217 | 277 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| KFV 250 | 78 - 124 | 269 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 111 - 165 | 271 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 156 - 211 | 271 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| AP-D 260 | 72 - 150 | 263 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 100 - 178 | 263 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 132 - 209 | 263 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| APL-D 260 | 66 - 150 | 263 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 95 - 178 | 263 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 126 - 209 | 263 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |
| HFKN-D 260 | 78 - 133 | 279 | SZI 25-34 | 0123183 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.5 |
| | 115 - 175 | 281 | SZI 25-35 | 0123184 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.2 |
| | 160 - 221 | 281 | SZI 25-36 | 0123185 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3 |
| NT-D 260 | 72 - 150 | 263 | SZI 20-10 | 0123164 | 17 | 35 | 50 | 20 | M6 | 22 | M12 | 1.6 |
| | 100 - 178 | 263 | SZI 20-11 | 0123165 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 2 |
| | 132 - 209 | 263 | SZI 20-12 | 0123166 | 17 | 40 | 50 | 20 | M6 | 22 | M12 | 1.7 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AL-D 315 | 78 - 157 | 343 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 211 | 335 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 186 - 285 | 335 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| AN-D 315 | 78 - 149 | 335 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 203 | 327 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 185 - 277 | 327 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| AP-D 315 | 78 - 148 | 334 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 202 | 326 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 184 - 276 | 326 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| APL-D 315 | 78 - 160 | 346 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 214 | 338 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 175 - 288 | 338 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| BB-D 315 | 103 - 149 | 335 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 157 - 203 | 327 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 231 - 277 | 327 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| BH-D 315 | 78 - 149 | 335 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 203 | 327 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 199 - 277 | 327 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| BHD-FC 315 | 78 - 149 | 335 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 203 | 327 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 199 - 277 | 327 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| HFK 315 | 78 - 157 | 343 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 211 | 335 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 191 - 285 | 335 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| HFKN-D 315 | 82 - 158 | 344 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 134 - 212 | 336 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 208 - 286 | 336 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| HFKS 315 | 78 - 157 | 343 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 211 | 335 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 191 - 285 | 335 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KDV 315 | 78 - 155 | 341 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 209 | 333 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 283 | 333 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KDVG 315 | 78 - 155 | 341 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 209 | 333 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 174 - 283 | 333 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KFMF 315 | 78 - 161 | 347 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 215 | 339 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 193 - 289 | 339 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Schwing- kreis <i>Swing diameter [mm]</i> | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|---|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KFV 315 | 78 - 157 | 343 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 211 | 335 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 178 - 285 | 335 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| NT-D 315 | 78 - 148 | 334 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 125 - 202 | 326 | SZI 31-12 | 0123187 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.2 |
| | 184 - 276 | 326 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KDV 400 | 78 - 238 | 425 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 174 - 367 | 417 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |
| KDVG 400 | 78 - 238 | 425 | SZI 31-11 | 0123186 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 4.1 |
| | 174 - 367 | 417 | SZI 31-13 | 0123188 | 21 | 50 | 58 | 25 | M8 | 28 | M16 | 3.9 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



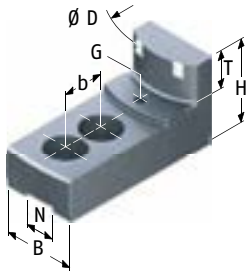
For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AL-D 400 | 102 - 196 | 423 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 182 - 278 | 453 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 260 - 357 | 453 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 323 - 421 | 461 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| AN-D 400 | 102 - 184 | 411 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 182 - 264 | 440 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 260 - 343 | 440 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 323 - 407 | 447 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| AP-D 400 | 100 - 180 | 407 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 165 - 260 | 435 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 242 - 339 | 435 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 305 - 403 | 443 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| APL-D 400 | 100 - 194 | 421 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 159 - 274 | 449 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 236 - 353 | 449 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 299 - 417 | 457 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| BH-D 400 | 101 - 182 | 409 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 181 - 262 | 438 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 259 - 341 | 438 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 322 - 405 | 445 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| BHD-FC 400 | 101 - 182 | 409 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 181 - 262 | 438 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 259 - 341 | 438 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 322 - 405 | 445 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |

Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFK 400 | 101 - 201 | 428 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 181 - 281 | 456 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 259 - 360 | 456 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 322 - 424 | 464 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| HFKN-D 400 | 100 - 200 | 427 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 176 - 280 | 455 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 254 - 359 | 455 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 317 - 423 | 463 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| HFKS 400 | 101 - 201 | 428 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 181 - 281 | 456 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 259 - 360 | 456 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 322 - 424 | 464 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFV 400 | 100 - 202 | 429 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 125 - 200 | 465 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 159 - 282 | 457 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 236 - 361 | 457 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 299 - 425 | 465 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| NT-D 400 | 100 - 180 | 407 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 165 - 260 | 435 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 242 - 339 | 435 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 305 - 403 | 443 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| BH-D 450 | 101 - 242 | 469 | SZI 40-11 | 0123195 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 9 |
| | 181 - 322 | 497 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 259 - 401 | 497 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 322 - 465 | 505 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| BH-D 500 | 160 - 303 | 570 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 242 - 387 | 562 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 321 - 466 | 562 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 384 - 530 | 570 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| BHD-FC 500 | 135 - 298 | 565 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 217 - 382 | 557 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 295 - 461 | 557 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 358 - 525 | 565 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| HFK 500 | 140 - 292 | 559 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 221 - 376 | 551 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 300 - 455 | 551 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 363 - 519 | 559 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| HFKN-D 500 | 125 - 296 | 563 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 203 - 380 | 555 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 281 - 459 | 555 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 344 - 523 | 563 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 3/32" x 90°

Fine serration 3/32" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFKS 500 | 140 - 292 | 559 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 221 - 376 | 551 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 300 - 455 | 551 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 363 - 519 | 559 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KDV 500 | 125 - 283 | 551 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 152 - 368 | 543 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 213 - 447 | 543 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 276 - 511 | 551 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KDVG 500 | 125 - 283 | 551 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 152 - 368 | 543 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 213 - 447 | 543 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 276 - 511 | 551 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| KFV 500 | 125 - 288 | 555 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 159 - 372 | 547 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 236 - 451 | 547 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 299 - 515 | 555 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| BH-D 630 | 254 - 415 | 683 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 337 - 499 | 675 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 416 - 579 | 675 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 480 - 643 | 683 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |
| BHD-FC 630 | 177 - 417 | 685 | SZI 40-12 | 0123196 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 10.2 |
| | 259 - 501 | 677 | SZI 40-13 | 0123197 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.8 |
| | 338 - 581 | 677 | SZI 40-14 | 0123198 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 7.5 |
| | 402 - 645 | 685 | SZI 40-15 | 0123199 | 25.5 | 60 | 78 | 33 | M8 | 35 | M20 | 8.2 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



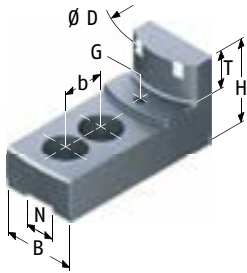
For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| AL-M 210 | 57 - 94 | 229 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 80 - 124 | 229 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 110 - 154 | 225 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 139 - 184 | 235 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| AN-M 210 | 57 - 86 | 221 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 80 - 116 | 221 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 110 - 147 | 217 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 140 - 177 | 227 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| BB-M 210 | 57 - 89 | 224 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 85 - 119 | 224 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 116 - 150 | 220 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 145 - 180 | 230 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| BH-M 210 | 57 - 87 | 222 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 117 | 222 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 100 - 148 | 218 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 130 - 178 | 228 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| BHM-FC 210 | 57 - 87 | 222 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 117 | 222 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 100 - 148 | 218 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 130 - 178 | 228 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| HFKN-M 210 | 57 - 95 | 230 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 72 - 125 | 230 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 101 - 155 | 226 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 131 - 185 | 236 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |

Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| APL-M 215 | 57 - 101 | 236 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 77 - 131 | 236 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 107 - 161 | 232 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 136 - 191 | 242 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| AP-M 215 | 57 - 92 | 227 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 79 - 122 | 227 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 110 - 153 | 223 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 139 - 183 | 233 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| NT-M 215 | 57 - 92 | 227 | SZIJ 20-1 | 0179110 | 14 | 35 | 53 | 20 | M6 | 25 | M12 | 2 |
| | 79 - 122 | 227 | SZIJ 20-2 | 0179111 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 110 - 153 | 223 | SZIJ 20-3 | 0179113 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2.1 |
| | 139 - 183 | 233 | SZIJ 20-4 | 0179114 | 14 | 40 | 53 | 20 | M6 | 25 | M12 | 2 |
| AL-M 250 | 60 - 110 | 271 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 99 - 150 | 271 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 136 - 187 | 267 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 169 - 222 | 277 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| AN-M 250 | 60 - 100 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 99 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 136 - 178 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 169 - 212 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| BB-M 250 | 68 - 100 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 108 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 144 - 178 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 179 - 212 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| BH-M 250 | 60 - 100 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 99 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 136 - 178 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 169 - 212 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| BHM-FC 250 | 60 - 100 | 261 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 99 - 140 | 261 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 136 - 178 | 257 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 169 - 212 | 267 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| APL-M 260 | 60 - 110 | 271 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 150 | 271 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 120 - 188 | 267 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 154 - 222 | 277 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| AP-M 260 | 60 - 110 | 271 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 150 | 271 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 126 - 188 | 267 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 160 - 222 | 277 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HFKN-M 260 | 60 - 118 | 279 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 98 - 158 | 279 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 134 - 195 | 275 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 168 - 230 | 285 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| NT-M 260 | 60 - 110 | 271 | SZIJ 25-1 | 0179116 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.7 |
| | 92 - 150 | 271 | SZIJ 25-2 | 0179118 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.8 |
| | 126 - 188 | 267 | SZIJ 25-3 | 0179120 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.4 |
| | 160 - 222 | 277 | SZIJ 25-4 | 0179121 | 16 | 40 | 58 | 25 | M6 | 30 | M12 | 2.2 |
| AL-M 315 | 78 - 167 | 343 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 129 - 228 | 350 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 193 - 293 | 333 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 245 - 345 | 385 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| AN-M 315 | 78 - 155 | 331 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 128 - 216 | 338 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 192 - 281 | 321 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 244 - 333 | 373 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| APL-M 315 | 78 - 166 | 342 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 118 - 227 | 349 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 182 - 292 | 332 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 234 - 344 | 384 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| AP-M 315 | 78 - 154 | 330 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 127 - 215 | 337 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 191 - 280 | 320 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 243 - 332 | 372 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| BB-M 315 | 112 - 154 | 330 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 173 - 215 | 337 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 237 - 280 | 320 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 289 - 332 | 372 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| BH-M 315 | 83 - 155 | 331 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 142 - 216 | 338 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 207 - 281 | 321 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 258 - 333 | 373 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| BHM-FC 315 | 83 - 155 | 331 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 142 - 216 | 338 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 207 - 281 | 321 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 258 - 333 | 373 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| HFKN-M 315 | 91 - 168 | 344 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 151 - 229 | 351 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 215 - 294 | 334 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 267 - 346 | 386 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |

 Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| NT-M 315 | 78 - 154 | 330 | SZIJ 30-13 | 0179128 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.7 |
| | 127 - 215 | 337 | SZIJ 30-14 | 0179129 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.4 |
| | 191 - 280 | 320 | SZIJ 30-15 | 0179130 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 3.4 |
| | 243 - 332 | 372 | SZIJ 30-16 | 0179131 | 21 | 50 | 65 | 25 | M8 | 30 | M16 | 4.2 |
| AL-M 400 | 110 - 190 | 414 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 165 - 246 | 419 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 220 - 301 | 414 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 289 - 372 | 424 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 349 - 432 | 474 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| AN-M 400 | 110 - 178 | 402 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 165 - 234 | 407 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 220 - 289 | 402 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 289 - 360 | 412 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 349 - 420 | 462 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| APL-M 400 | 97 - 190 | 414 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 144 - 246 | 419 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 199 - 301 | 414 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 268 - 372 | 424 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 328 - 432 | 474 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| AP-M 400 | 97 - 176 | 400 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 150 - 232 | 405 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 205 - 287 | 400 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 274 - 358 | 410 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 334 - 418 | 460 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |
| NT-M 400 | 97 - 176 | 400 | SZIJ 38-1 | 0179132 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.5 |
| | 150 - 232 | 405 | SZIJ 38-2 | 0179133 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 9.1 |
| | 205 - 287 | 400 | SZIJ 38-3 | 0179134 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.6 |
| | 274 - 358 | 410 | SZIJ 38-4 | 0179135 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 7.1 |
| | 334 - 418 | 460 | SZIJ 38-5 | 0179136 | 22 | 60 | 85 | 33 | M8 | 43 | M20 | 8.6 |



Passende Nutensteine finden Sie ab Seite 644.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable T-nuts see page 644.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

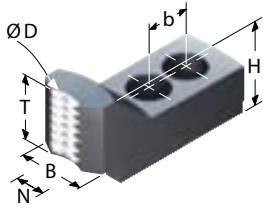
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1/16" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1/16" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype | Spannbe- reich [mm] | Schwing- kreis [mm] | Bezeichnung | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben | m/Satz [kg] |
|------------|---------------------------|---------------------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
| HFK 160 | 17 - 41 | 180 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| HFKS 160 | 17 - 41 | 180 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KDV 160 | 12 - 32 | 170 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KDVG 160 | 12 - 32 | 170 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KFMF 160 | 17 - 42 | 181 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| KFV 160 | 12 - 34 | 172 | SZA-ST 16-1 | 0175100 | 17 | 35 | 40 | 30 | 19 | M12 | 1.2 |
| AL-D 165 | 13 - 40 | 182 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| AN-D 165 | 13 - 35 | 176 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| BH-D 165 | 13 - 32 | 173 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| BHD-FC 165 | 13 - 35 | 177 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| GHD-FC 165 | 13 - 30 | 171 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| GHDN 165 | 13 - 30 | 171 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| HFKN-D 165 | 13 - 35 | 177 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| AP-D 170 | 13 - 41 | 183 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| NT-D 170 | 13 - 41 | 183 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| BB-D 175 | 18 - 43 | 185 | SZA-ST 17-1 | 0175113 | 14 | 30 | 40 | 30 | 20 | M10 | 1 |
| HFK 200-48 | 11 - 54 | 216 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| HFK 200-66 | 19 - 53 | 215 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| HFKS 200 | 19 - 53 | 215 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KDV 200 | 11 - 44 | 206 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KDVG 200 | 11 - 44 | 206 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFMF 200 | 11 - 49 | 211 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFV 200 | 12 - 46 | 208 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| AL-D 210 | 14 - 58 | 220 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| AN-D 210 | 14 - 56 | 218 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| BB-D 210 | 18 - 54 | 216 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| BH-D 210 | 13 - 53 | 215 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| BHD-FC 210 | 13 - 53 | 215 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |

 Passende Nutensteine finden Sie ab Seite 644.

 For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype | Spannbe- reich [mm] | Schwing- kreis [mm] | Bezeichnung | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben | m/Satz [kg] |
|------------|---------------------------|---------------------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
| GHD-FC 210 | 16 - 47 | 210 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| GHDN 210 | 16 - 47 | 210 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| HFKN-D 210 | 11 - 65 | 227 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| AP-D 215 | 14 - 56 | 218 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| APL-D 215 | 14 - 65 | 227 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| NT-D 215 | 14 - 56 | 218 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| AL-D 250 | 20 - 67 | 268 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| AN-D 250 | 17 - 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| BB-D 250 | 26 - 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| BH-D 250 | 16 - 60 | 261 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| BHD-FC 250 | 16 - 60 | 261 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| GHD-FC 250 | 18 - 54 | 255 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| GHDN 250 | 18 - 54 | 255 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| HFK 250 | 18 - 64 | 265 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| HFKS 250 | 18 - 64 | 265 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KDV 250 | 16 - 63 | 264 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KDVG 250 | 12 - 94 | 256 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| KFMF 250 | 16 - 67 | 268 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| KFV 250 | 16 - 61 | 262 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| AP-D 260 | 24 - 102 | 264 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| APL-D 260 | 18 - 102 | 264 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| HFKN-D 260 | 16 - 75 | 276 | SZA-ST 25-2 | 0175103 | 21 | 45 | 50 | 40 | 28 | M16 | 2.7 |
| NT-D 260 | 24 - 102 | 264 | SZA-ST 20-1 | 0175101 | 17 | 35 | 45 | 35 | 22 | M12 | 1.5 |
| AL-D 315 | 25 - 97 | 338 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| AN-D 315 | 22 - 90 | 330 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| AP-D 315 | 20 - 98 | 321 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| APL-D 315 | 20 - 100 | 341 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| BB-D 315 | 43 - 89 | 329 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| BH-D 315 | 22 - 90 | 330 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| BHD-FC 315 | 22 - 90 | 330 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| HFK 315 | 24 - 97 | 338 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| HFKN-D 315 | 23 - 98 | 339 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| HFKS 315 | 24 - 97 | 338 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KDV 315 | 22 - 92 | 332 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KDVG 315 | 22 - 92 | 332 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFMF 315 | 22 - 97 | 338 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KFV 315 | 22 - 94 | 334 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| NT-D 315 | 20 - 98 | 321 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KDV 400 | 22 - 175 | 416 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |
| KDVG 400 | 22 - 175 | 416 | SZA-ST 31-1 | 0175104 | 21 | 45 | 50 | 40 | 28 | M16 | 3.3 |



Passende Nutensteine finden Sie ab Seite 644.



For suitable T-nuts see page 644.

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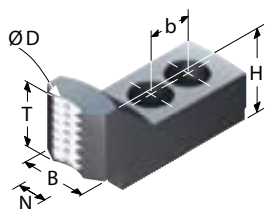
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 3/32" x 90°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 3/32" x 90°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-D 400 | 36 - 113 | 450 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| AN-D 400 | 34 - 101 | 438 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| AP-D 400 | 34 - 97 | 434 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| APL-D 400 | 35 - 111 | 448 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| BH-D 400 | 34 - 99 | 436 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| BHD-FC 400 | 34 - 99 | 436 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| HFK 400 | 35 - 118 | 455 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| HFKN-D 400 | 35 - 117 | 454 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| HFKS 400 | 35 - 118 | 455 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| KFV 400 | 35 - 109 | 446 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| NT-D 400 | 34 - 97 | 434 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| BH-D 450 | 34 - 158 | 496 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| BH-D 500 | 79 - 222 | 561 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| BHD-FC 500 | 55 - 217 | 556 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| HFK 500 | 59 - 212 | 550 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |
| HFKS 500 | 59 - 212 | 550 | SZA-ST 40-1 | 0175105 | 25.5 | 60 | 55 | 45 | 35 | M20 | 8 |



Passende Nutensteine finden Sie ab Seite 644.



For suitable T-nuts see page 644.

SMW-AUTOBLOK

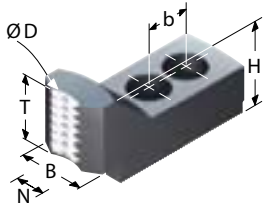
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1,5 mm x 60°

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Fine serration 1,5 mm x 60°

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AN-M 165 | 12 - 37 | 176 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| BH-M 165 | 12 - 37 | 176 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| BHM-FC 165 | 12 - 39 | 178 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| HFKN-M 165 | 12 - 38 | 177 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| AP-M 170 | 12 - 44 | 183 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| NT-M 170 | 12 - 44 | 183 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| BB-M 175 | 20 - 49 | 188 | SZAJ-ST 16-2 | 0175501 | 12 | 30 | 40 | 34 | 20 | M10 | 1.1 |
| AN-M 210 | 17 - 50 | 222 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| BB-M 210 | 19 - 52 | 224 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| BH-M 210 | 16 - 51 | 223 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| BHM-FC 210 | 16 - 51 | 223 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| HFKN-M 210 | 16 - 59 | 231 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| APL-M 215 | 17 - 64 | 237 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| AP-M 215 | 17 - 56 | 228 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| NT-M 215 | 17 - 56 | 228 | SZAJ-ST 20-2 | 0175503 | 14 | 35 | 45 | 38 | 25 | M12 | 1.8 |
| AN-M 250 | 21 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| BB-M 250 | 30 - 61 | 260 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| BH-M 250 | 20 - 60 | 259 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| BHM-FC 250 | 20 - 60 | 259 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| APL-M 260 | 18 - 71 | 270 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| AP-M 260 | 18 - 71 | 270 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| HFKN-M 260 | 20 - 75 | 274 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| NT-M 260 | 18 - 71 | 270 | SZAJ-ST 25-3 | 0175508 | 16 | 40 | 50 | 44 | 30 | M12 | 2.5 |
| AN-M 315 | 22 - 99 | 322 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| APL-M 315 | 22 - 109 | 333 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| AP-M 315 | 22 - 98 | 321 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| BB-M 315 | 56 - 98 | 321 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |



Passende Nutensteine finden Sie ab Seite 644.



For suitable T-nuts see page 644.

SMW-AUTOBLOK

Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Spitzverzahnung 1,5 mm x 60°

Fine serration 1,5 mm x 60°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Bezeichnung <i>Description</i> | ID | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| BH-M 315 | 27 - 99 | 322 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| BHM-FC 315 | 27 - 99 | 322 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| HFKN-M 315 | 35 - 108 | 331 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |
| NT-M 315 | 22 - 98 | 321 | SZAJ-ST 30-3 | 0175512 | 21 | 50 | 50 | 43 | 30 | M16 | 3.4 |



Passende Nutensteine finden Sie ab Seite 644.



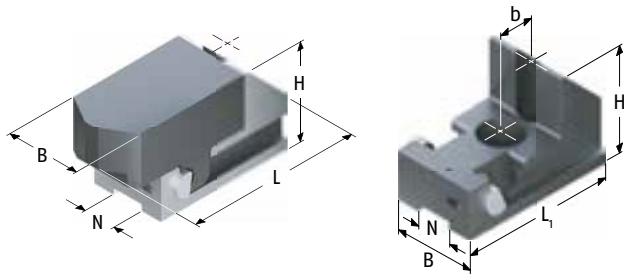
For suitable T-nuts see page 644.

SMW-AUTOBLOK

Backen-Schnellwechselsystem | Jaw quick-change System

Spitzverzahnung 1/16" x 90°

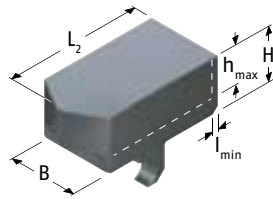
- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- Max. Spannbereich durch Versetzen der Trägerbacke möglich



Schnellwechselbacke, komplett Ausführung 2 | Version 2
Quick Change Jaw, complete

Fine serration 1/16" x 90°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- Max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW
Soft insert BWW

| Futtertypen Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Trägerbacke Support jaw | ID | Wechselbacke Soft insert | ID | Spannkraft Clamping force [kN] |
|---|--|--|----------------------------|---------|-----------------------------|---------|--------------------------------------|
| HFK 160 HFKS 160 KDV 160 KDVG 160 KFMF 160 KfV 160 | 10 - 125 | 184 | BWT 160 | 0105200 | BWW 160 | 0105305 | 70 |
| HDN 200 HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDVG 200 LP 205 AL-D 210 AN-D 210 BB-D 210 BH-D 210 BHD-FC 210 GHD-FC 210 GHDN 210 HFKN-D 210 HYND-S 210 HDN 220 HYND-S 226 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |
| AL-D 250 AN-D 250 BB-D 250 BH-D 250 BHD-FC 250 CD-RCD 250 GHD-FC 250 GHDN 250 HDL 250 HDN 250 HFK 250 HFKS 250 HYND-S 250 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| KDV 250 KDVG 250 | 15 - 140 | 217 | BWT 200 | 0105201 | BWW 200 | 0105306 | 90 |

* Gewichtsangabe für Trägerbacke und Wechselbacke

* Indicated weight for support jaw and change jaw



Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg]* |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|--------------------------|
| 17 | 35 | 50 | 25.7 | 89 | 78 | 65 | 17 | 6 | 22 | M12 | 2.7 |
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 4.0 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |
| 17 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 28 | M12 | 4.0 |

SMW-AUTOBLOK

Backen-Schnellwechselsystem | Jaw quick-change System

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | Trägerbacke <i>Support jaw</i> | ID | Wechselbacke <i>Soft insert</i> | ID | Spannkraft <i>Clamping force</i> [kN] |
|--|---|---|-----------------------------------|---------|------------------------------------|---------|---|
| KFMF 250 KFV 250 LP 250 HFKN-D 260 AL-D 315 AN-D 315 BB-D 315 BH-D 315 BHD-FC 315 CD-RCD 315 GHD-FC 315 GHDN 315 HDL 315 HDN 315 HFK 315 HFKN-D 315 HFKS 315 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| HYND-S 315 | 35 - 244 | 336 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |
| KDV 315 KDBG 315 KFMF 315 KFV 315 BHD-FC 400 GHD 400 GHD-FC 400 GHDN 400 HDL 400 HDN 400 KDV 400 KDBG 400 | 25 - 180 | 271 | BWT 250 | 0105202 | BWW 250 | 0105307 | 120 |

* Gewichtsangabe für Trägerbacke und Wechselbacke

* Indicated weight for support jaw and change jaw

| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg]* |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|--------------------------|
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |
| 21 | 50 | 65 | 35.7 | 125 | 98 | 90 | 27 | 8 | 28 | M16 | 6.3 |

SCHUNK

BERG

FORKARDT

HOWA

KITAGAWA

RÖHM

SAMCHULLY

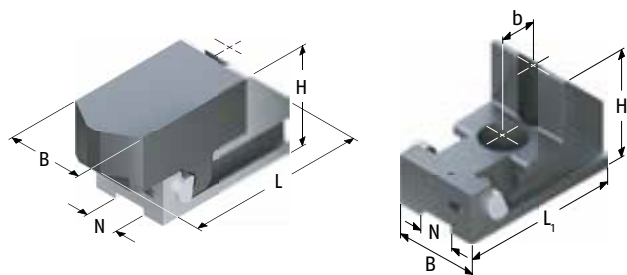
SMW-AUTOBLOK

SMW-AUTOBLOK

Backen-Schnellwechselsystem | Jaw quick-change System

Spitzverzahnung 1,5 mm x 60°

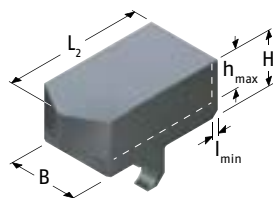
- Liefereinheit: 1 Satz = 3 Stück
- Trägerbacken aus Stahl 16MnCr5, einsatzgehärtet
- Wechselbacken aus C45
- Max. Spannbereich durch Versetzen der Trägerbacke möglich



Schnellwechselbacke, komplett Ausführung 2 | Version 2
Quick Change Jaw, complete

Fine serration 1,5 mm x 60°

- Delivery unit: 1 set = 3 pieces
- Support Jaw made from Steel 16MnCr5, case hardened
- Soft insert made from C45
- Max. clamping range is possible by offsetting the support jaw



Wechselbacke BWW
Soft insert BWW

| Futtertype Chuck type | Spannbereich Clamping range [mm] | Schwingkreis Swing diameter [mm] | Trägerbacke Support jaw | ID | Wechselbacke Soft insert | ID | Spannkraft Clamping force [kN] |
|--|--|--|----------------------------|---------|-----------------------------|---------|--------------------------------------|
| AL-M 210 AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 | 8 - 140 | 218 | BWTJ-K-210-14 | 0105210 | BWW 200 | 0105306 | 90 |
| AL-M 250 AN-M 250 BB-M 250 | 15 - 180 | 258 | BWTJ-K-250-16 | 0105211 | BWW 200 | 0105306 | 90 |
| AL-M 315 AN-M 315 BH-M 315 BHM-FC 315 | 25 - 222 | 310 | BWTJ-K-305-21 | 0105213 | BWW 250 | 0105307 | 120 |

* Gewichtsangabe für Trägerbacke und Wechselbacke

* Indicated weight for support jaw and change jaw

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

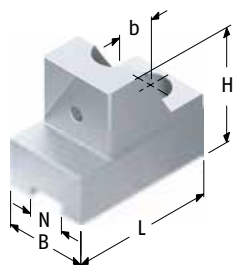
| N [mm] | B [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | L2 [mm] | h [mm] | l [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg]* |
|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|---------------------|--------------------------|
| 14 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 25 | M12 | 4.0 |
| 16 | 40 | 60 | 30.7 | 105 | 85 | 75 | 22 | 8 | 30 | M12 | 4.0 |
| 21 | 50 | 70 | 35.7 | 125 | 98 | 90 | 27 | 8 | 30 | M16 | 7.45 |

SMW-AUTOBLOK

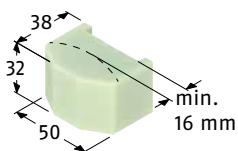
QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Spitzverzahnung 1/16" x 90°

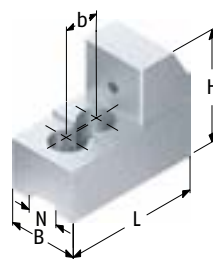
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 - 0,4
- Schonende Spannung



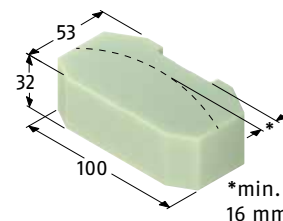
TRQ ...-1



QUENTES 10



TRQ ...-2



QUENTES 20

Fine serration 1/16" x 90°

- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 - 0.4
- Gentle clamping

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|---|---|-----------------------------------|---------|---|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|------|
| HFK 160 HFKS 160 KDV 160 KDVG 160 KFMF 160 KFV 160 | 60 - 136 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |
| CD 200 HDN 200 HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDVG 200 KFMF 200 KFV 200 ODL 200 ODN 200 LP 205 | 20 - 65 | TRQ 200-1 | 0150001 | QUENTES 10 | 0150100 | 17 | 40 | 55 | 70 | 19 | M12 | 0.66 |
| AL-D 210 AN-D 210 BB-D 210 BH-D 210 BHD-FC 210 GHD-FC 210 GHDN 210 HFKN-D 210 HD-B 220 HDN 220 ODL 220 ODN 220 | 85 - 169 | TRQ 200-2 | 0150002 | QUENTES 20 | 0150200 | 17 | 40 | 64 | 79 | 19 | M12 | 0.93 |

SMW-AUTOBLOK

QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz <i>Clamping insert</i> | ID | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|---|-----------------------------------|---------|--|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| AL-D 250 AN-D 250 BB-D 250 BH-D 250 BHD-FC 250 CD-RCD 250 GHD-FC 250 GHDN 250 HDL 250 | 28 - 80 | TRQ 250-1 | 0150003 | QUENTES 10 | 0150100 | 21 | 45 | 57 | 93 | 28 | M16 | 0.97 |
| HDN 250 HFK 250 HFKS 250 KFMF 250 KFV 250 LP 250 ODL 250 ODN 250 HFKN-D 260 | 139 - 216 | TRQ 250-2 | 0150004 | QUENTES 20 | 0150200 | 21 | 45 | 67 | 94 | 28 | M16 | 1.24 |

SCHUNK

BERG

FORKARDT

HOWA

KITAGAWA

RÖHM

SAMCHULLY

SMW-AUTOBLOK

SMW-AUTOBLOK

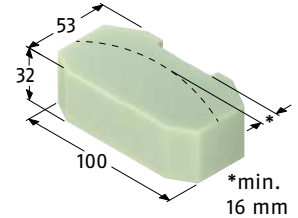
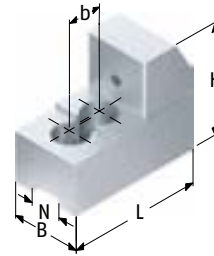
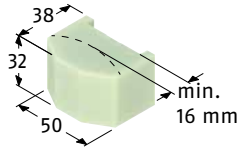
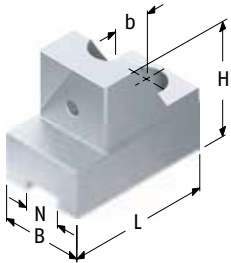
QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Spitzverzahnung 1,5 mm x 60°

- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 - 0,4
- Schonende Spannung

Fine serration 1,5 mm x 60°

- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 - 0.4
- Gentle clamping



TRQ ...-1

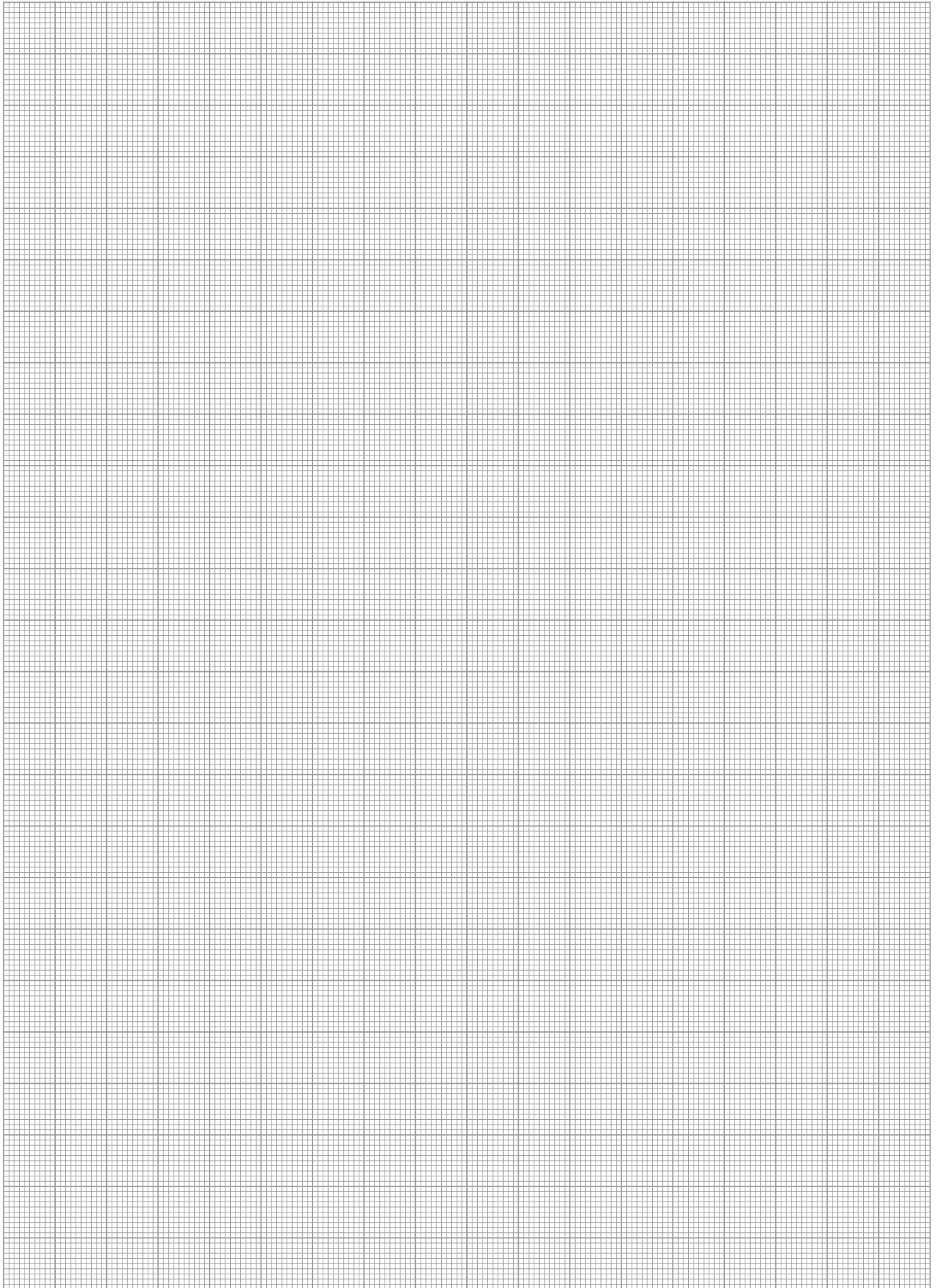
QUENTES 10

TRQ ...-2

QUENTES 20

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | [kg] |
|--|---|-----------------------------------|---------|---|-----------|-----------|-----------|-----------|-----------|----------------------------|------------------------|------|
| AL-M 165 AN-M 165 BH-M 165 BHM-FC 165 HFKN-M 165 BB-M 175 | 20 - 49 | TRQJ 160-1 | 0150022 | QUENTES 10 | 0150100 | 12 | 40 | 55 | 65 | 20 | M10 | 0.6 |
| AL-M 210 | 20 - 63 | TRQJ 200-1 | 0150005 | QUENTES 10 | 0150100 | 14 | 40 | 55 | 76 | 25 | M12 | 0.77 |
| | 117 - 177 | TRQJ 200-2 | 0150006 | QUENTES 20 | 0150200 | 14 | 40 | 64 | 82 | 25 | M12 | 1 |
| AN-M 210 BB-M 210 BH-M 210 BHM-FC 210 HFKN-M 210 | 20 - 63 | TRQJ 200-1 | 0150005 | QUENTES 10 | 0150100 | 14 | 40 | 55 | 76 | 25 | M12 | 0.77 |
| | 95 - 177 | TRQJ 200-2 | 0150006 | QUENTES 20 | 0150200 | 14 | 40 | 64 | 82 | 25 | M12 | 1 |
| AL-M 250 AN-M 250 BB-M 250 BH-M 250 BHM-FC 250 HFKN-M 260 | 34 - 96 | TRQJ 250-1 | 0150007 | QUENTES 10 | 0150100 | 16 | 40 | 58 | 85 | 30 | M12 | 0.87 |
| | 140 - 215 | TRQJ 250-2 | 0150008 | QUENTES 20 | 0150200 | 16 | 40 | 67 | 92 | 30 | M12 | 1.15 |

Notizen | Notes

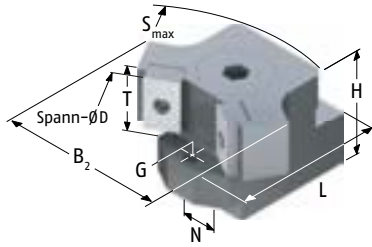


SMW-AUTOBLOK

Pendelbacken | *Pendulum Jaws*

Spitzverzahnung 1/16" x 90°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 1/16" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

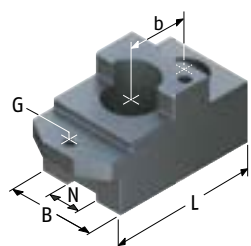
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| AL-D 210 AN-D 210 | 66 - 83 | 214 | PNS-Z 200-1 | 0190138 | PT 17-3 | 0191108 | PB 200-1 | 0192126 |
| | 96 - 114 | 236 | PNS-Z 200-3 | 0190140 | PT 17-4 | 0191109 | PB 200-3 | 0192128 |
| | 126 - 144 | 236 | PNS-Z 200-4 | 0190141 | PT 17-4 | 0191109 | PB 200-4 | 0192129 |
| BB-D 210 | 69 - 85 | 216 | PNS-Z 200-1 | 0190138 | PT 17-3 | 0191108 | PB 200-1 | 0192126 |
| | 100 - 115 | 237 | PNS-Z 200-3 | 0190140 | PT 17-4 | 0191109 | PB 200-3 | 0192128 |
| | 130 - 145 | 237 | PNS-Z 200-4 | 0190141 | PT 17-4 | 0191109 | PB 200-4 | 0192129 |
| BH-D 210 | 56 - 84 | 215 | PNS-Z 200-1 | 0190138 | PT 17-3 | 0191108 | PB 200-1 | 0192126 |
| | 72 - 86 | 215 | PNS-Z 200-2 | 0190139 | PT 17-3 | 0191108 | PB 200-2 | 0192127 |
| | 87 - 115 | 237 | PNS-Z 200-3 | 0190140 | PT 17-4 | 0191109 | PB 200-3 | 0192128 |
| | 117 - 145 | 237 | PNS-Z 200-4 | 0190141 | PT 17-4 | 0191109 | PB 200-4 | 0192129 |
| AL-D 250 AN-D 250 | 70 - 91 | 256 | PNS-Z 250-21-1 | 0190105 | PT 21-1 | 0191102 | PB 250-1 | 0192100 |
| | 76 - 103 | 263 | PNS-Z 250-21-2 | 0190106 | PT 21-1 | 0191102 | PB 250-2 | 0192101 |
| | 95 - 107 | 263 | PNS-Z 250-21-3 | 0190107 | PT 21-1 | 0191102 | PB 250-3 | 0192102 |
| | 126 - 153 | 281 | PNS-Z 250-21-4 | 0190108 | PT 21-2 | 0191103 | PB 250-4 | 0192103 |
| | 141 - 168 | 281 | PNS-Z 250-21-5 | 0190109 | PT 21-2 | 0191103 | PB 250-5 | 0192104 |
| BB-D 250 | 79 - 91 | 256 | PNS-Z 250-21-1 | 0190105 | PT 21-1 | 0191102 | PB 250-1 | 0192100 |
| | 85 - 103 | 263 | PNS-Z 250-21-2 | 0190106 | PT 21-1 | 0191102 | PB 250-2 | 0192101 |
| | 95 - 107 | 263 | PNS-Z 250-21-3 | 0190107 | PT 21-1 | 0191102 | PB 250-3 | 0192102 |
| | 141 - 159 | 281 | PNS-Z 250-21-4 | 0190108 | PT 21-2 | 0191103 | PB 250-4 | 0192103 |
| | 150 - 168 | 281 | PNS-Z 250-21-5 | 0190109 | PT 21-2 | 0191103 | PB 250-5 | 0192104 |
| BH-D 250 | 70 - 91 | 256 | PNS-Z 250-21-1 | 0190105 | PT 21-1 | 0191102 | PB 250-1 | 0192100 |
| | 76 - 103 | 263 | PNS-Z 250-21-2 | 0190106 | PT 21-1 | 0191102 | PB 250-2 | 0192101 |
| | 95 - 107 | 263 | PNS-Z 250-21-3 | 0190107 | PT 21-1 | 0191102 | PB 250-3 | 0192102 |
| | 126 - 153 | 281 | PNS-Z 250-21-4 | 0190108 | PT 21-2 | 0191103 | PB 250-4 | 0192103 |
| | 141 - 168 | 281 | PNS-Z 250-21-5 | 0190109 | PT 21-2 | 0191103 | PB 250-5 | 0192104 |



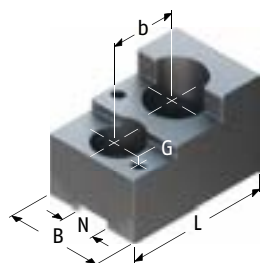
Passende Nutensteine finden Sie ab Seite 644.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



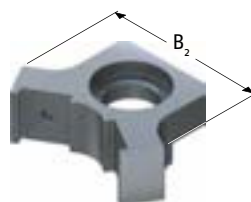
For suitable T-nuts see page 644.
For suitable hard and soft clamping inserts see catalog chapter „Accessories“.



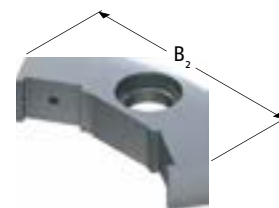
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 200-1 | 0194140 | 17 | 40 | 80 | 56 | 74 | 30 | M6 | 30 | M12 | 1.2 |
| SP 200-5 | 0194144 | 17 | 40 | 102 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.4 |
| SP 200-5 | 0194144 | 17 | 40 | 130 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-1 | 0194140 | 17 | 40 | 80 | 56 | 74 | 30 | M6 | 30 | M12 | 1.2 |
| SP 200-5 | 0194144 | 17 | 40 | 102 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.4 |
| SP 200-5 | 0194144 | 17 | 40 | 130 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 200-1 | 0194140 | 17 | 40 | 80 | 56 | 74 | 30 | M6 | 30 | M12 | 1.2 |
| SP 200-3 | 0194142 | 17 | 40 | 100 | 56 | 74 | 30 | M6 | 30 | M12 | 1.3 |
| SP 200-5 | 0194144 | 17 | 40 | 102 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.4 |
| SP 200-5 | 0194144 | 17 | 40 | 130 | 56 | 69.5 | 30 | M6 | 30 | M12 | 1.5 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-2 | 0194101 | 21 | 50 | 85 | 64 | 96 | 35 | M6 | 34 | M16 | 1.9 |
| SP 250-2 | 0194101 | 21 | 50 | 97 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 250-2 | 0194101 | 21 | 50 | 103 | 64 | 96 | 35 | M6 | 34 | M16 | 2.1 |
| SP 250-4 | 0194103 | 21 | 50 | 131 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |
| SP 250-4 | 0194103 | 21 | 50 | 145 | 64 | 75 | 35 | M6 | 34 | M16 | 2.3 |

SMW-AUTOBLOK

Pendelbacken | *Pendulum Jaws*

Spitzverzahnung 1/16" x 90°

Fine serration 1/16" x 90°

| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| AL-D 315 AN-D 315 | 73 - 112 | 291 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 105 - 153 | 322 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 150 - 215 | 339 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 163 - 222 | 342 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |
| BB-D 315 | 126 - 152 | 321 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 188 - 215 | 339 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 194 - 221 | 314 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |
| BH-D 315 | 85 - 112 | 291 | PNS-Z 315-1 | 0190110 | PT 21-1 | 0191102 | PB 315-1 | 0192105 |
| | 105 - 153 | 322 | PNS-Z 315-2 | 0190111 | PT 21-1 | 0191102 | PB 315-2 | 0192106 |
| | 162 - 215 | 339 | PNS-Z 315-3 | 0190112 | PT 21-2 | 0191103 | PB 315-3 | 0192107 |
| | 168 - 222 | 342 | PNS-Z 315-4 | 0190113 | PT 21-2 | 0191103 | PB 315-4 | 0192108 |

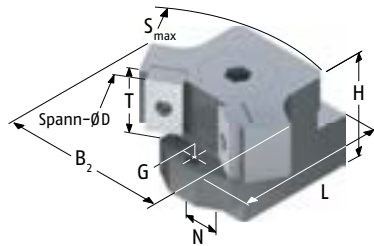
| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|----|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |
| SP 315-2 | 0194105 | 21 | 50 | 95 | 64 | 96 | 35 | M6 | 34 | M16 | 2 |
| SP 315-2 | 0194105 | 21 | 50 | 130 | 64 | 96 | 35 | M6 | 34 | M16 | 2.3 |
| SP 315-4 | 0194107 | 21 | 50 | 152 | 64 | 75 | 35 | M6 | 34 | M16 | 2.5 |
| SP 315-4 | 0194107 | 21 | 50 | 180 | 64 | 75 | 35 | M6 | 34 | M16 | 2.7 |

SMW-AUTOBLOK

Pendelbacken | *Pendulum Jaws*

Spitzverzahnung 3/32" x 90°

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke
- Nutensteine sind im Lieferumfang nicht enthalten
- Die Befestigung erfolgt mittels einzelner Nutensteine



Fine serration 3/32" x 90°

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.
- T-nuts are not included in the scope of delivery
- Fastening is done via single T-nuts

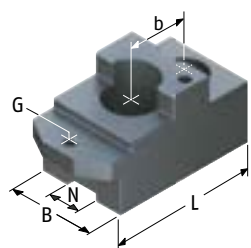
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| AL-D 400 AN-D 400 | 130 - 184 | 407 | PNS-Z 400-1 | 0190115 | PT 25-1 | 0191104 | PB 400-1 | 0192110 |
| | 195 - 244 | 433 | PNS-Z 400-2 | 0190116 | PT 25-2 | 0191105 | PB 400-2 | 0192111 |
| | 235 - 274 | 433 | PNS-Z 400-3 | 0190117 | PT 25-2 | 0191105 | PB 400-3 | 0192112 |
| | 295 - 350 | 531 | PNS-Z 400-4 | 0190118 | PT 25-3 | 0191106 | PB 400-4 | 0192113 |
| BH-D 400 | 130 - 184 | 407 | PNS-Z 400-1 | 0190115 | PT 25-1 | 0191104 | PB 400-1 | 0192110 |
| | 195 - 244 | 433 | PNS-Z 400-2 | 0190116 | PT 25-2 | 0191105 | PB 400-2 | 0192111 |
| | 235 - 274 | 433 | PNS-Z 400-3 | 0190117 | PT 25-2 | 0191105 | PB 400-3 | 0192112 |
| | 295 - 350 | 531 | PNS-Z 400-4 | 0190118 | PT 25-3 | 0191106 | PB 400-4 | 0192113 |



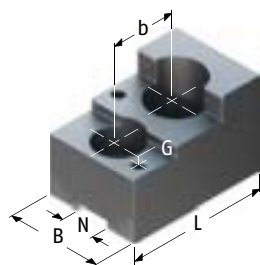
Passende Nutensteine finden Sie ab Seite 644.
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



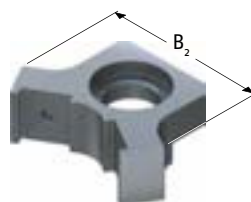
For suitable T-nuts see page 644.
For suitable hard and soft clamping inserts see catalog chapter "Accessories".



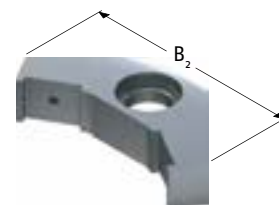
PT ...-1



PT ...-2 - 4



PB ...-1



PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | N | B | B2 | H [mm] | L [mm] | T [mm] | G | b | Schrauben Screws | m/Stück m/piece [kg] |
|---------------------------------|---------|------|----|-----|-----------|-----------|-----------|----|----|---------------------|----------------------------|
| SP 400-2 | 0194109 | 25.5 | 65 | 150 | 85 | 138 | 45 | M8 | 45 | M20 | 4.7 |
| SP 400-4 | 0194111 | 25.5 | 65 | 205 | 85 | 110 | 45 | M8 | 48 | M20 | 6 |
| SP 400-4 | 0194111 | 25.5 | 65 | 240 | 85 | 110 | 45 | M8 | 48 | M20 | 6.2 |
| SP 400-4 | 0194111 | 25.5 | 70 | 250 | 90 | 150 | 45 | M8 | 45 | M20 | 7.3 |
| SP 400-2 | 0194109 | 25.5 | 65 | 150 | 85 | 138 | 45 | M8 | 45 | M20 | 4.7 |
| SP 400-4 | 0194111 | 25.5 | 65 | 205 | 85 | 110 | 45 | M8 | 48 | M20 | 6 |
| SP 400-4 | 0194111 | 25.5 | 65 | 240 | 85 | 110 | 45 | M8 | 48 | M20 | 6.2 |
| SP 400-4 | 0194111 | 25.5 | 70 | 250 | 90 | 150 | 45 | M8 | 45 | M20 | 7.3 |

SMW-AUTOBLOK

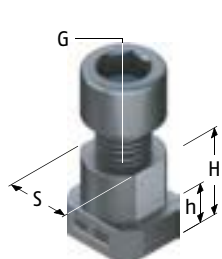
Nutensteine | T-Nuts

Einzel-Nutensteine

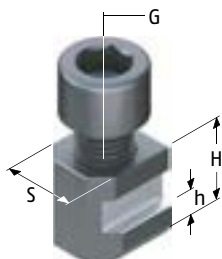
- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen

Single T-Nuts

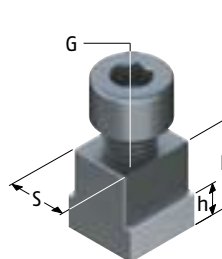
- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)



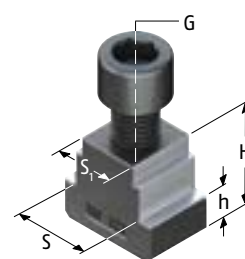
Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3



Ausführung 4 | Version 4

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| SP 125 | NS 81 | 0143100 | 1 | 11 | | 21 | 7 | M8 | M8x30 | 30 |
| BH-D 130 BH-M 130 | NKS 12 | 0140106 | 3 | 12 | | 15 | 6.5 | M8 | M8x20 | 30 |
| KDV 130 | NS 80 | 0140100 | 1 | 12 | | 17.2 | 7 | M8 | M8x22 | 30 |
| BB-D 140 | NKS 12 | 0140106 | 3 | 12 | | 15 | 6.5 | M8 | M8x20 | 30 |
| HFK 160 HFKS 160 KDV 160 KDVG 160 KFMF 160 KFV 160 | NS 120 | 0140101 | 1 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| SP 160 | NS 102 | 0143101 | 1 | 14 | | 25.5 | 8.5 | M10 | M10x35 | 50 |
| GHD-FC 165 GHDN 165 | NS 100 | 0140110 | 3 | 14 | | 20 | 7.5 | M10 | M10x25 | 50 |
| CD 200 | NS 121 | 0140113 | 3 | 17 | | 22.3 | 8.3 | M12 | M12x30 | 70 |
| CL-D 200 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| HDL 200 HDN 200 | NS 121 | 0140113 | 3 | 17 | | 22.3 | 8.3 | M12 | M12x30 | 70 |
| HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDVG 200 KFMF 200 KFV 200 | NS 120 | 0140101 | 1 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| BB-AZ ES 500/590 BB-N ES 460/470 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| KZF 200 KZF-ES 200 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| ODL 200 ODN 200 | NS 121 | 0140113 | 3 | 17 | | 22.3 | 8.3 | M12 | M12x30 | 70 |
| LP 205 | NS 126 | 0143102 | 1 | 17 | | 27 | 9 | M12 | M12x35 | 70 |

SMW-AUTOBLOK

Nutensteine | T-Nuts

Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| AL-D 210 AN-D 210 BB-D 210 BH-D 210 BHD-FC 210 | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| GHD-FC 210 GHDN 210 | NS 121 | 0140113 | 3 | 17 | | 22.3 | 8.3 | M12 | M12x30 | 70 |
| HFKN-D 210 HYND-S 210 AP-D 215 APL-D 215 NT-D 215 | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| HD-B 220 HDN 220 ODL 220 ODN 220 | NS 121 | 0140113 | 3 | 17 | | 22.3 | 8.3 | M12 | M12x30 | 70 |
| HYND-S 226 | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| SP 240 | NS 126 | 0143102 | 1 | 17 | | 27 | 9 | M12 | M12x35 | 70 |
| AL-D 250 AN-D 250 AN-M 250 BB-D 250 BH-D 250 BHD-FC 250 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| CD 250 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| CL-D 250 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| GHD-FC 250 GHDN 250 HDL 250 HDN 250 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| HDN 250S | NS 122 | 0140107 | 4 | 21 | 17 | 25.5 | 11 | M12 | M12x30 | 70 |
| HFK 250 HFKS 250 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| HYND-S 250 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| KDV 250 KDVG 250 | NS 120 | 0140101 | 1 | 17 | | 23 | 9 | M12 | M12x30 | 70 |
| KFMF 250 KFV 250 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| KZF 250 KZF-ES 250 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| LP 250 ODL 250 ODN 250 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| AP-D 260 APL-D 260 | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| APL-M 260 AP-M 260 HFKN-D 260 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| NT-D 260 | NKS 2 | 0143106 | 2 | 17 | | 20.5 | 7.5 | M12 | M12x25 | 70 |
| NT-M 260 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| SP 280 | NS 164 | 0143108 | 1 | 21 | | 30 | 11 | M16 | M16x35 | 150 |
| HD-B 300 GHD-FC 305 GHDN 305 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |

SCHUNK

BERG

FORKARDT

HOWA

KITAGAWA

RÖHM

SAMCHULLY

SMW-AUTOBLOK

SMW-AUTOBLOK

Nutensteine | T-Nuts

Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| AL-D 315 AL-M 315 AN-D 315 AN-M 315 AP-D 315 APL-D 315 APL-M 315 AP-M 315 BB-D 315 BB-M 315 BH-D 315 BHD-FC 315 BH-M 315 BHM-FC 315 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| CD 315 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| CL-D 315 | NS 201 | 0142103 | 1 | 25.5 | | 33.7 | 15.5 | M20 | M20x45 | 300 |
| GHD-FC 315 GHDN 315 HDL 315 HDN 315 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| HFK 315 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| HFKN-D 315 HFKN-M 315 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| HFKS 315 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| HYND-S 315 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| KDV 315 KDBG 315 KFMF 315 KFV 315 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |
| KZF 315 KZF-ES 315 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| NT-D 315 NT-M 315 | NKS 3 | 0143107 | 2 | 21 | | 26.5 | 10 | M16 | M16x35 | 150 |
| ODL 315 ODN 315 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| SP 350 | NS 164 | 0143108 | 1 | 21 | | 30 | 11 | M16 | M16x35 | 150 |
| LP 380 | NS 181 | 0143105 | 3 | 25.5 | | 34.5 | 14.5 | M18 | M18x55 | 220 |
| AL-D 400 AN-D 400 AP-D 400 APL-D 400 BB-N 400 BB-N ES 400 BH-D 400 BHD-FC 400 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| GHD 400 GHD-FC 400 GHDN 400 GH-M 400 HDL 400 HDN 400 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| HFK 400 HFKN-D 400 HFKS 400 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| HYD-S 400 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| KDV 400 KDBG 400 | NS 160 | 0140102 | 1 | 21 | | 27 | 11 | M16 | M16x35 | 150 |

SMW-AUTOBLOK

Nutensteine | T-Nuts

Einzel-Nutensteine

Single T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----|--|---|
| KFV 400 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| NT-D 400 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| ODL 400 ODN 400 | NS 163 | 0142102 | 1 | 21 | | 25.5 | 11 | M16 | M16x35 | 150 |
| BH-D 450 BB-N 460 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| LP 460 | NS 181 | 0143105 | 3 | 25.5 | | 34.5 | 14.5 | M18 | M18x55 | 220 |
| BB-N 500 BB-N ES 500 BH-D 500 BHD-FC 500 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| GHD 500 | NS 204 | 0142123 | 4 | 28 | 25.5 | 40 | 15.5 | M20 | M20x40 | 300 |
| HFK 500 HFKN-D 500 HFKS 500 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| HYDL-S 500 HYD-S 500 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| IL-D 500 IN-D 500 | NS 204 | 0142123 | 4 | 28 | 25.5 | 40 | 15.5 | M20 | M20x40 | 300 |
| KDV 500 KDVG 500 KFV 500 | NS 200 | 0140103 | 1 | 25.5 | | 29 | 11 | M20 | M20x40 | 220 |
| LP 500 | NS 181 | 0143105 | 3 | 25.5 | | 34.5 | 14.5 | M18 | M18x55 | 220 |
| HYDLL-S 550 HYDL-S 550 BB-N 600 BB-N ES 600 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| GHD 610 | NS 204 | 0142123 | 4 | 28 | 25.5 | 40 | 15.5 | M20 | M20x40 | 300 |
| BB-AZ ES 630 BB-N 630 BB-N ES 630 | NS 240-1 | 0140114 | 1 | 30 | | 41 | 15 | M24 | M24x70 | 450 |
| BH-D 630 BHD-FC 630 HYDLL-S 630 HYDL-S 630 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| IL-D 630 IN-D 630 GHD 640 | NS 204 | 0142123 | 4 | 28 | 25.5 | 40 | 15.5 | M20 | M20x40 | 300 |
| BB-AZ ES 750 BB-N 800 | NS 240-1 | 0140114 | 1 | 30 | | 41 | 15 | M24 | M24x70 | 450 |
| BH-D 800 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| GHD 800 | NS 204 | 0142123 | 4 | 28 | 25.5 | 40 | 15.5 | M20 | M20x40 | 300 |
| HYDL-S 800 | NKS 4 | 0143109 | 3 | 25.5 | | 34.5 | 15 | M20 | M20x45 | 220 |
| | NS 204 | 0142123 | 4 | 28 | 25.5 | 40 | 15.5 | M20 | M20x40 | 300 |
| IL-D 800 IN-D 800 | NS 204 | 0142123 | 4 | 28 | 25.5 | 40 | 15.5 | M20 | M20x40 | 300 |
| KDS 800 | NS 240 | 0140104 | 1 | 30 | | 41 | 15 | M24 | M24x50 | 450 |
| BB-N ES 850 BB-N ES 1000 | NS 240-1 | 0140114 | 1 | 30 | | 41 | 15 | M24 | M24x70 | 450 |
| KDS 1000 | NS 240 | 0140104 | 1 | 30 | | 41 | 15 | M24 | M24x50 | 450 |

SCHUNK

BERG

FORKARDT

HOWA

KITAGAWA

RÖHM

SAMCHULLY

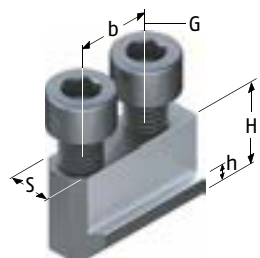
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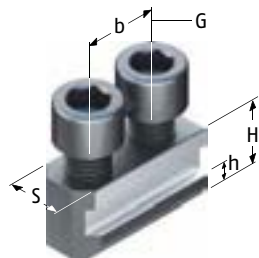
Nutensteine | T-Nuts

Kombi-Nutensteine

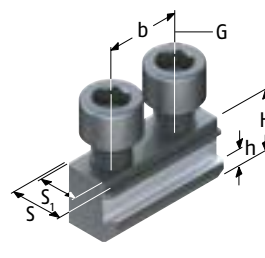
- Vergütet und präzisionsgeschliffen
- Einschließlich Zylinderschrauben DIN 912-12.9
- Bei der Auswahl der Nutensteine bitte die Anschlussmaße des Futters (Verzahnung/Nutbreite) prüfen



Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3

Combi T-Nuts

- Tempered and precision ground
- including screws DIN 912-12.9
- When choosing T-nuts, please check the connection dimensions of the lathe chuck (serration/slot width)

| Futtertype Chuck type | Bezeichnung Description | ID | Ausführung Version | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube Cyl.-Screw | Max. zul. Anzieh- drehmoment Max. adm. tight- ening torque [Nm] |
|--|----------------------------|---------|-----------------------|-----------|------------|-----------|-----------|-----------|-----|---------------------------------|---|
| HFK 160 HFKS 160 KDV 160 KDVG 160 KFMF 160 KFV 160 | NK 121 | 0145100 | 1 | 17 | | 23 | 9 | 22 | M12 | M12x30 | 70 |
| AL-D 165 | NKA 1 | 0145103 | 2 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| AL-M 165 | NKAJ 1 | 0146109 | 3 | 14 | 12 | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| AN-D 165 | NKA 1 | 0145103 | 2 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| AN-M 165 | NKAJ 1 | 0146109 | 3 | 14 | 12 | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| BH-D 165 BHD-FC 165 | NKA 1 | 0145103 | 2 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| BH-M 165 BHM-FC 165 | NKAJ 1 | 0146109 | 3 | 14 | 12 | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| HFKN-D 165 AP-D 170 | NKA 1 | 0145103 | 2 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| AP-M 170 | NKAJ 1 | 0146109 | 3 | 14 | 12 | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| NT-D 170 | NKA 1 | 0145103 | 2 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| NT-M 170 | NKAJ 1 | 0146109 | 3 | 14 | 12 | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| BB-D 175 | NKA 1 | 0145103 | 2 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| BB-M 175 | NKAJ 1 | 0146109 | 3 | 14 | 12 | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| HYND-S 180 | NKA 1 | 0145103 | 2 | 14 | | 18.5 | 6.5 | 20 | M10 | M10x25 | 50 |
| HFK 200-48 HFK 200-66 HFKS 200 KDV 200 KDVG 200 KFMF 200 KFV 200 | NK 121 | 0145100 | 1 | 17 | | 23 | 9 | 22 | M12 | M12x30 | 70 |
| KZF 200 KZF-ES 200 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| AL-D 210 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| AL-M 210 | NKAJ 2 | 0146111 | 3 | 17 | 14 | 20.5 | 7.5 | 25 | M12 | M12x30 | 70 |
| AN-D 210 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| AN-M 210 | NKAJ 2 | 0146111 | 3 | 17 | 14 | 20.5 | 7.5 | 25 | M12 | M12x30 | 70 |

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Nutensteine | T-Nuts

Kombi-Nutensteine

Combi T-Nuts

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|---|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| BB-D 210 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| BB-M 210 | NKAJ 2 | 0146111 | 3 | 17 | 14 | 20.5 | 7.5 | 25 | M12 | M12x30 | 70 |
| BH-D 210 BHD-FC 210 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| BH-M 210 BHM-FC 210 | NKAJ 2 | 0146111 | 3 | 17 | 14 | 20.5 | 7.5 | 25 | M12 | M12x30 | 70 |
| HFKN-D 210 HYND-S 210 AP-D 215 APL-D 215 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| APL-M 215 AP-M 215 | NKAJ 2 | 0146111 | 3 | 17 | 14 | 20.5 | 7.5 | 25 | M12 | M12x30 | 70 |
| NT-D 215 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| NT-M 215 | NKAJ 2 | 0146111 | 3 | 17 | 14 | 20.5 | 7.5 | 25 | M12 | M12x30 | 70 |
| HYND-S 226 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| AL-D 250 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| AL-M 250 | NKAJ 3 | 0146134 | 3 | 21 | 16 | 26.5 | 10 | 30 | M12 | M12x35 | 70 |
| AN-D 250 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| AN-M 250 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| | NKAJ 3 | 0146134 | 3 | 21 | 16 | 26.5 | 10 | 30 | M12 | M12x35 | 70 |
| BB-D 250 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| BB-M 250 | NKAJ 3 | 0146134 | 3 | 21 | 16 | 26.5 | 10 | 30 | M12 | M12x35 | 70 |
| BH-D 250 BHD-FC 250 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| BH-M 250 BHM-FC 250 | NKAJ 3 | 0146134 | 3 | 21 | 16 | 26.5 | 10 | 30 | M12 | M12x35 | 70 |
| HFK 250 HFKS 250 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| HYND-S 250 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| KDV 250 KDVG 250 | NK 121 | 0145100 | 1 | 17 | | 23 | 9 | 22 | M12 | M12x30 | 70 |
| KFMF 250 KFV 250 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| AP-D 260 APL-D 260 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| APL-M 260 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| AP-M 260 | NKAJ 3 | 0146134 | 3 | 21 | 16 | 26.5 | 10 | 30 | M12 | M12x35 | 70 |
| HFKN-D 260 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| NT-D 260 | NKA 2 | 0145104 | 2 | 17 | | 20.5 | 7.5 | 22 | M12 | M12x25 | 70 |
| AL-D 315 AN-D 315 AP-D 315 APL-D 315 BB-D 315 BH-D 315 BHD-FC 315 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| HFK 315 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| HFKN-D 315 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| HFKN-M 315 | NKAJ 3 | 0146134 | 3 | 21 | 16 | 26.5 | 10 | 30 | M12 | M12x35 | 70 |
| HFKS 315 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |

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Nutensteine | T-Nuts

Kombi-Nutensteine

Combi T-Nuts

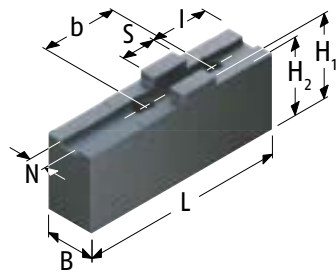
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | S [mm] | S1 [mm] | H [mm] | h [mm] | b [mm] | G | Zyl.- Schraube <i>Cyl.-Screw</i> | Max. zul. Anzieh- drehmoment <i>Max. adm. tight- ening torque</i> [Nm] |
|--|-----------------------------------|---------|------------------------------|-----------|------------|-----------|-----------|-----------|-----|--|---|
| HYND-S 315 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| KDV 315 KDBG 315 KFMF 315 KFV 315 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| NT-D 315 | NKA 3 | 0145105 | 2 | 21 | | 26.5 | 10 | 28 | M16 | M16x35 | 150 |
| HFK 400 HFKN-D 400 HFKS 400 | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |
| KDV 400 KDBG 400 | NK 160 | 0145101 | 1 | 21 | | 27 | 11 | 28 | M16 | M16x35 | 150 |
| KFV 400 HFK 500 HFKN-D 500 HFKS 500 KDV 500 KDBG 500 KFV 500 KFV 630 KFV 800 | NK 200 | 0145102 | 1 | 25.5 | | 29 | 11 | 35 | M20 | M20x40 | 220 |

SMW-AUTOBLOK

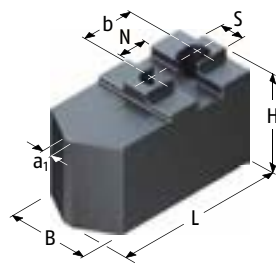
Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



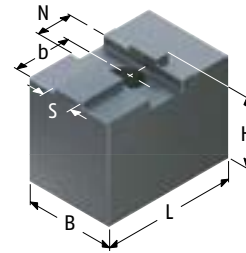
Ausführung 1 | Version 1



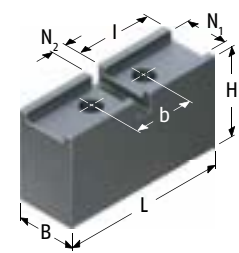
Ausführung 2 | Version 2

Metric tongue and groove

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening



Ausführung 3 | Version 3



Ausführung 4 | Version 4

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> | kg |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|------------------------|----|
| HFK 110 HFKS 110 | SRK 110 | 0136100 | 2 | 8 | 8 | 25 | 30 | | | 51 | | 3 | 15 | M6 | 0.67 | |
| CL-C 125 KZF 125 KZF-ES 125 | 2 SWKK 125 | 0126100 | 3 | 16 | 14 | 40 | 48 | | | 60 | | | 29 | M12 | 1.5 | |
| RMG 125 | SFA 125 | 0153099 | 4 | 14 | 5 | 20 | 30 | 30 | | 55 | 25 | | 20 | M6 | 0.6 | |
| KNCS 140 KNCS-N 140 | SFA 140 | 0153098 | 1 | 8 | 18 | 20 | | 40 | 36 | 69 | 25 | | 32 | M8 | 0.9 | |
| | SFA 140-C1 | 0154129 | 1 | 8 | 18 | 30 | | 45 | 41 | 63 | 19 | | 32 | M8 | 1.7 | |
| CL-C 160 | 2 SWKK 160 | 0126101 | 3 | 18 | 18 | 60 | 60 | | | 76 | | | 35 | M16 | 3.5 | |
| HG 160 HG-F 160 HG-N 160 KNCS 160 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 | |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 | |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 | |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 | |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 | |
| KZF 160 KZF-ES 160 | 2 SWKK 160 | 0126101 | 3 | 18 | 18 | 60 | 60 | | | 76 | | | 35 | M16 | 3.5 | |
| RMG 160 KNCS-N 170 KNCS 175 | SFA 160 | 0153100 | 1 | 8 | 18 | 20 | | 40 | 36 | 85 | 25 | | 32 | M8 | 1.2 | |
| | SFA 160-C1 | 0154121 | 1 | 8 | 18 | 30 | | 55.5 | 51.5 | 85 | 19 | | 32 | M8 | 2.7 | |
| | SFA 160-C2 | 0154127 | 1 | 8 | 18 | 35 | | 40 | 36 | 63 | 19 | | 32 | M8 | 1.6 | |
| | SFA 160-C3 | 0154131 | 1 | 8 | 18 | 40 | | 60 | 56 | 70 | 19 | | 32 | M8 | 3.3 | |
| | SFA 160-C4 | 0154133 | 1 | 8 | 18 | 40 | | 80 | 76 | 85 | 19 | | 32 | M8 | 5.6 | |
| HG 200 KNCS 200 RMG 200 HG-F 210 HG-N 210 KNCS 210 KNCS-N 210 KNCS-NB 210 KNCS-N 225 KNCS-NB 225 | SFA 200 | 0153101 | 1 | 10 | 20 | 22 | | 47 | 43 | 105 | 35 | | 40 | M8 | 2 | |
| | SFA 200-C1 | 0154100 | 1 | 10 | 20 | 30 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 3.2 | |
| | SFA 200-C2 | 0154124 | 1 | 10 | 20 | 22 | | 55.5 | 51.5 | 100 | 23 | | 40 | M8 | 2.2 | |
| | SFA 200-C3 | 0154128 | 1 | 10 | 20 | 40 | | 40 | 36 | 70 | 23 | | 40 | M8 | 2.1 | |
| | SFA 200-C4 | 0154130 | 1 | 10 | 20 | 40 | | 60 | 56 | 85 | 23 | | 40 | M8 | 4 | |
| | SFA 200-C5 | 0154132 | 1 | 10 | 20 | 40 | | 80 | 76 | 95 | 23 | | 40 | M8 | 6.1 | |

Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| HG 250 KNCS 250 RMG 250 HG-F 260 HG-N 260 KNCS 260 KNCS-N 260 KNCS-NB 260 KNCS-N 275 KNCS-NB 275 HG 315 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| HG-F 315 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| KNCS-NB 315 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| | SFA 315 ¹⁷⁾ | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 ¹⁷⁾ | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 ¹⁷⁾ | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 ¹⁷⁾ | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 ¹⁷⁾ | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 ¹⁷⁾ | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 ¹⁷⁾ | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 ¹⁷⁾ | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 ¹⁷⁾ | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| | SFA 315-C8 ¹⁷⁾ | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| | RMG 315 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 |
| SFA 315-C1 | | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| SFA 315-C2 | | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| SFA 315-C3 | | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| SFA 315-C4 | | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| SFA 315-C5 | | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| SFA 315-C51 | | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| SFA 315-C6 | | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| SFA 315-C7 | | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| KNCS-N 325 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| KNCS-NB 325 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| | SFA 315 ¹⁷⁾ | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 ¹⁷⁾ | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 ¹⁷⁾ | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 ¹⁷⁾ | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 ¹⁷⁾ | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 ¹⁷⁾ | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 ¹⁷⁾ | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 ¹⁷⁾ | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 ¹⁷⁾ | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 ¹⁷⁾ | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| KNCS-N 340 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| KNCS-NB 340 | SFA 250 | 0153102 | 1 | 12 | 20 | 30 | | 55.5 | 50.5 | 125 | 35 | | 40 | M12 | 3.7 |
| | SFA 250-C1 | 0154101 | 1 | 12 | 20 | 40 | | 60 | 55 | 90 | 26 | | 40 | M12 | 3.9 |
| | SFA 250-C2 | 0154102 | 1 | 12 | 20 | 40 | | 60 | 55 | 125 | 26 | | 40 | M12 | 5.6 |
| | SFA 250-C3 | 0154103 | 1 | 12 | 20 | 40 | | 80 | 75 | 125 | 26 | | 40 | M12 | 7.7 |
| | SFA 250-C4 | 0154104 | 1 | 12 | 20 | 40 | | 100 | 95 | 125 | 26 | | 40 | M12 | 9.8 |
| | SFA 250-C5 | 0154105 | 1 | 12 | 20 | 40 | | 120 | 115 | 125 | 26 | | 40 | M12 | 11.8 |
| | SFA 250-C6 | 0154106 | 1 | 12 | 20 | 60 | | 60 | 55 | 90 | 26 | | 40 | M12 | 6 |
| | SFA 250-C7 | 0154107 | 1 | 12 | 20 | 80 | | 60 | 55 | 90 | 26 | | 40 | M12 | 8.5 |
| | SFA 250-C8 | 0154134 | 1 | 12 | 20 | 80 | | 100 | 95 | 125 | 26 | | 40 | M12 | 20.9 |
| | SFA 315 ¹⁷⁾ | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 ¹⁷⁾ | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 ¹⁷⁾ | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 ¹⁷⁾ | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 ¹⁷⁾ | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 ¹⁷⁾ | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 ¹⁷⁾ | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 ¹⁷⁾ | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 ¹⁷⁾ | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| | SFA 315-C8 ¹⁷⁾ | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| | HG 400 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 |
| SFA 315-C1 | | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| SFA 315-C2 | | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| SFA 315-C3 | | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| SFA 315-C4 | | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| SFA 315-C5 | | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| SFA 315-C51 | | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| SFA 315-C6 | | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| SFA 315-C7 | | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| HG-F 400 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| HG-N 400 KNCS 400 KNCS-N 400 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 | |
| KNCS-NB 400 KNCS-NBX 425 | SFA 315 | 0153103 | 1 | 12 | 26 | 35 | | 60 | 54 | 145 | 45 | | 54 | M12 | 5.6 |
| | SFA 315-C1 | 0154108 | 1 | 12 | 26 | 40 | | 60 | 54 | 110 | 30 | | 54 | M12 | 4.9 |
| | SFA 315-C2 | 0154109 | 1 | 12 | 26 | 40 | | 60 | 54 | 145 | 30 | | 54 | M12 | 6.6 |
| | SFA 315-C3 | 0154110 | 1 | 12 | 26 | 40 | | 100 | 94 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C4 | 0154111 | 1 | 12 | 26 | 40 | | 120 | 114 | 145 | 30 | | 54 | M12 | 13.8 |
| | SFA 315-C5 | 0154112 | 1 | 12 | 26 | 40 | | 150 | 144 | 145 | 30 | | 54 | M12 | 17.5 |
| | SFA 315-C51 | 0154123 | 1 | 12 | 26 | 50 | | 80 | 74 | 145 | 30 | | 54 | M12 | 11.4 |
| | SFA 315-C6 | 0154113 | 1 | 12 | 26 | 60 | | 60 | 54 | 110 | 30 | | 54 | M12 | 7.6 |
| | SFA 315-C7 | 0154114 | 1 | 12 | 26 | 80 | | 60 | 54 | 110 | 30 | | 54 | M12 | 10.3 |
| | SFA 315-C8 | 0154115 | 1 | 12 | 26 | 80 | | 80 | 74 | 110 | 30 | | 54 | M12 | 14.2 |
| | SFA 400 ¹⁸⁾ | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 ¹⁸⁾ | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 ¹⁸⁾ | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 ¹⁸⁾ | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 ¹⁸⁾ | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 ¹⁸⁾ | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 ¹⁸⁾ | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| HG 500 HG-F 500 HG-N 500 KNCS 500 KNCS-N 500 KNCS-NB 500 KNCS-NBX 530 HG 630 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| HG-F 630 | SFA 630 | 0153106 | 1 | 24 | 40 | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 39.6 |
| HG-N 630 KNCS 630 KNCS-N 630 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 | |



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | a1 [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|----------------------------|--------------------------------|
| KNCS-NB 630 KNCS-NBX 630 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |
| | SFA 630 ¹⁹⁾ | 0153106 | 1 | 24 | 40 | 65 | | 118 | 110 | 260 | 70 | | 82 | M20 | 39.6 |
| KNCS-NB 800 KNCS-NBX 800 KNCS-NBX 1000 | SFA 400 | 0153104 | 1 | 18 | 30 | 50 | | 80 | 73 | 180 | 50 | | 60 | M16 | 13.5 |
| | SFA 400-C1 | 0154116 | 1 | 18 | 30 | 60 | | 80 | 73 | 130 | 35 | | 60 | M16 | 11.8 |
| | SFA 400-C3 | 0154118 | 1 | 18 | 30 | 60 | | 100 | 93 | 155 | 35 | | 60 | M16 | 21.5 |
| | SFA 400-C4 | 0154119 | 1 | 18 | 30 | 60 | | 120 | 113 | 155 | 35 | | 60 | M16 | 22.4 |
| | SFA 400-C5 | 0154120 | 1 | 18 | 30 | 80 | | 80 | 73 | 130 | 35 | | 60 | M16 | 16 |
| | SFA 400-C6 | 0154125 | 1 | 18 | 30 | 60 | | 180 | 173 | 160 | 35 | | 60 | M16 | 35.1 |
| | SFA 400-C7 | 0154135 | 1 | 18 | 30 | 96 | | 115 | 108 | 115 | 35 | | 60 | M16 | 25.9 |

- 17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.
 18) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 400.
 19) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 630.

- 17) When used together with EWB-MT 315 SCHUNK base jaws.
 18) When used together with EWB-MT 400 SCHUNK base jaws.
 19) When used together with EWB-MT 630 SCHUNK base jaws.



Passende Grundbacken finden Sie ab Seite 686.
 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

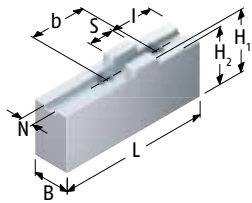
Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Metrischer Kreuzversatz


- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Aluminium


Metric tongue and groove

- *Universal use*
- *Available in diverse dimensions*
- *Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HG 160 HG-F 160 HG-N 160 KNCS 160 RMG 160 KNCS-N 170 KNCS 175 | SFA-AL 160 | 0172100 | 8 | 18 | 25 | 50 | 46 | 85 | 25 | 32 | M8 | 0.7 |
| HG 200 KNCS 200 RMG 200 HG-F 210 HG-N 210 KNCS 210 KNCS-N 210 KNCS-NB 210 KNCS-N 225 KNCS-NB 225 | SFA-AL 200 | 0172102 | 10 | 20 | 25 | 50 | 46 | 105 | 35 | 40 | M8 | 0.9 |
| HG 250 KNCS 250 RMG 250 HG-F 260 HG-N 260 KNCS 260 KNCS-N 260 KNCS-NB 260 KNCS-N 275 KNCS-NB 275 HG 315 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| HG-F 315 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| KNCS-NB 315 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| | SFA-AL 315 ¹⁷⁾ | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| RMG 315 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| KNCS-N 325 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |

 Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 *For suitable base jaw see page 686.*
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken Aluminium | *Soft Top Jaws Aluminum*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | l [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KNCS-NB 325 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| | SFA-AL 315 ¹⁷⁾ | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| KNCS-N 340 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| KNCS-NB 340 | SFA-AL 250 | 0172103 | 12 | 20 | 40 | 60 | 55 | 125 | 35 | 40 | M12 | 2.1 |
| | SFA-AL 315 ¹⁷⁾ | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| HG 400 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| HG-F 400 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| HG-N 400 KNCS 400 KNCS-N 400 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| KNCS-NB 400 KNCS-NBX 425 | SFA-AL 315 | 0172104 | 12 | 26 | 40 | 60 | 54 | 145 | 45 | 54 | M12 | 2.4 |
| | SFA-AL 400 ¹⁸⁾ | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| HG 500 HG-F 500 HG-N 500 KNCS 500 KNCS-N 500 KNCS-NB 500 KNCS-NBX 530 HG 630 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| HG-F 630 | SFA-AL 630 | 0172106 | 24 | 40 | 65 | 118 | 110 | 260 | 70 | 82 | M20 | 14.8 |
| HG-N 630 KNCS 630 KNCS-N 630 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| KNCS-NB 630 KNCS-NBX 630 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |
| | SFA-AL 630 ¹⁹⁾ | 0172106 | 24 | 40 | 65 | 118 | 110 | 260 | 70 | 82 | M20 | 14.8 |
| KNCS-NB 800 KNCS-NBX 800 KNCS-NBX 1000 | SFA-AL 400 | 0172105 | 18 | 30 | 50 | 80 | 73 | 180 | 50 | 60 | M16 | 5.1 |

17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.

18) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 400.

19) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 630.

17) When used together with EWB-MT 315 SCHUNK base jaws.

18) When used together with EWB-MT 400 SCHUNK base jaws.

19) When used together with EWB-MT 630 SCHUNK base jaws.



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



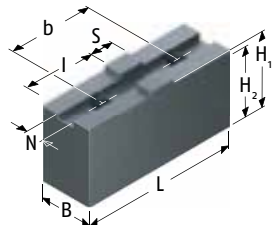
For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Aufsatzbacken | *Soft Top Jaws*

Amerikanischer Kreuzversatz

- Universeller Einsatz
- Lieferbar in verschiedenen Abmessungen
- Liefereinheit: 1 Satz = 3 Stück, bei 2-Backenfutter = 2 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



American standard tongue and groove

- Universal use
- Available in diverse dimensions
- Delivery unit: 1 set = 3 pieces, at 2-jaw-chuck = 2 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype | Bezeichnung | ID | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | I [mm] | b [mm] | Schrauben m/Stück | [kg] |
|--|------------------|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-------------------|------|
| IL-C 500 IN-C 500 IL-C 630 IN-C 630 IL-C 800 IN-C 800 | WA-RN 500/630 | 0151106 | 12.72 | 19.02 | 50 | 80 | 73.7 | 140 | 63.5 | 76.2 | M20 | 3.16 |



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

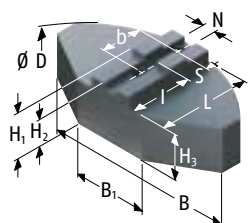
Weiche Segmentbacken | *Soft Full Grip Jaws*

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5 suitable for case hardening*



| Futtertype | Bezeichnung | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben m/Satz | [kg] |
|---|--|--|--------|--------|--------|---------|--------|---------|---------|---------|--------|--------|--------|------------------|--|
| HG 160 HG-F 160 HG-N 160 KNCS 160 RMG 160 KNCS-N 170 KNCS 175 | SFA-SM 160 | 0173100 | 8 | 18 | 120 | 40 | 160 | 50 | 46 | 40 | 60 | 23 | 32 | M8 | 4.8 |
| HG 200 KNCS 200 RMG 200 HG-F 210 HG-N 210 KNCS 210 KNCS-N 210 KNCS-NB 210 KNCS-N 225 KNCS-NB 225 | SFA-SM 200 SFA-SM 201 | 0173101 0173105 | 10 | 20 | 140 | 64 | 200 | 60 | 56 | 50 | 70 | 27 | 40 | M8 | 9 12.5 |
| HG 250 KNCS 250 RMG 250 HG-F 260 HG-N 260 KNCS 260 KNCS-N 260 KNCS-NB 260 KNCS-N 275 KNCS-NB 275 HG 315 | SFA-SM 250 SFA-SM 251 | 0173102 0173106 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 16.8 |
| HG-F 315 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | SFA-SM 250 SFA-SM 251 | 0173102 0173106 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 16.8 |
| KNCS-NB 315 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| | SFA-SM 315 ¹⁷⁾ | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| RMG 315 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |

Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Segmentbacken | *Soft Full Grip Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype | Bezeichnung | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | l [mm] | b [mm] | Schrauben | m/Satz [kg] |
|--|---------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|-----------|----------------|
| KNCS-N 325 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| KNCS-NB 325 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| | SFA-SM 315 ¹⁷⁾ | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| KNCS-N 340 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| KNCS-NB 340 | SFA-SM 250 | 0173102 | 12 | 20 | 180 | 70 | 250 | 60 | 55 | 45 | 90 | 44 | 40 | M12 | 12.8 |
| | SFA-SM 251 | 0173106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 90 | 44 | 40 | M12 | 16.8 |
| | SFA-SM 315 ¹⁷⁾ | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| HG 400 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| HG-F 400 | SFA-SM 400 | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |
| HG-N 400 KNCS 400 KNCS-N 400 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| KNCS-NB 400 KNCS-NBX 425 | SFA-SM 315 | 0173103 | 12 | 26 | 240 | 120 | 320 | 75 | 69 | 60 | 110 | 54 | 54 | M12 | 28.9 |
| | SFA-SM 400 ¹⁸⁾ | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |
| HG 500 HG-F 500 HG-N 500 KNCS 500 KNCS-N 500 KNCS-NB 500 KNCS-NBX 530 HG 630 HG-N 630 KNCS 630 KNCS-N 630 KNCS-NB 630 KNCS-NBX 630 | SFA-SM 400 | 0173104 | 18 | 30 | 330 | 150 | 440 | 85 | 78 | 55 | 160 | 95 | 60 | M16 | 55.6 |

17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.

18) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 400.

17) When used together with EWB-MT 315 SCHUNK base jaws.

18) When used together with EWB-MT 400 SCHUNK base jaws.



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

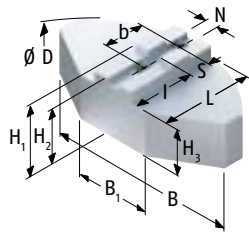
Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | I [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|------------------------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HG 160 HG-F 160 HG-N 160 KNCS 160 RMG 160 KNCS-N 170 KNCS 175 | SFA-SA 160 | 0174100 | 8 | 18 | 120 | 40 | 165 | 50 | 46 | 40 | 59.5 | 23 | 32 | M8 | 1.8 |
| HG 200 KNCS 200 RMG 200 HG-F 210 HG-N 210 KNCS 210 KNCS-N 210 KNCS-NB 210 KNCS-N 225 KNCS-NB 225 | SFA-SA 200 SFA-SA 201 | 0174101 0174105 | 10 | 20 | 140 | 50 | 200 | 58 | 54 | 48 | 72.5 | 32 | 40 | M8 | 3.5 4.7 |
| HG 250 KNCS 250 RMG 250 HG-F 260 HG-N 260 KNCS 260 KNCS-N 260 KNCS-NB 260 KNCS-N 275 KNCS-NB 275 HG 315 | SFA-SA 250 SFA-SA 251 | 0174102 0174106 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 6.4 |
| HG-F 315 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | SFA-SA 250 SFA-SA 251 | 0174102 0174106 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 6.4 |
| KNCS-NB 315 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| | SFA-SA 315 ¹⁷⁾ | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| RMG 315 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |

Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Weiche Segmentbacken Aluminium | *Soft Full Grip Jaws Aluminum*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | B1 [mm] | D [mm] | H1 [mm] | H2 [mm] | H3 [mm] | L [mm] | l [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KNCS-N 325 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| KNCS-NB 325 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| | SFA-SA 315 ¹⁷⁾ | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| KNCS-N 340 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| KNCS-NB 340 | SFA-SA 250 | 0174102 | 12 | 20 | 180 | 70 | 250 | 58 | 53 | 43 | 87.5 | 44 | 40 | M12 | 4.8 |
| | SFA-SA 251 | 0174106 | 12 | 20 | 180 | 70 | 250 | 80 | 75 | 65 | 87.5 | 44 | 40 | M12 | 6.4 |
| | SFA-SA 315 ¹⁷⁾ | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| HG 400 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| HG-F 400 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |
| HG-N 400 KNCS 400 KNCS-N 400 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| KNCS-NB 400 KNCS-NBX 425 | SFA-SA 315 | 0174103 | 12 | 26 | 240 | 80 | 320 | 75 | 69 | 60 | 117 | 64 | 54 | M12 | 10.8 |
| | SFA-SA 400 ¹⁸⁾ | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |
| HG 500 HG-F 500 HG-N 500 KNCS 500 KNCS-N 500 KNCS-NB 500 KNCS-NBX 530 HG 630 HG-N 630 KNCS 630 KNCS-N 630 KNCS-NB 630 KNCS-NBX 630 | SFA-SA 400 | 0174104 | 18 | 30 | 330 | 150 | 440 | 90 | 83 | 60 | 160 | 95 | 60 | M16 | 22.8 |

17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.

18) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 400.

17) When used together with EWB-MT 315 SCHUNK base jaws.

18) When used together with EWB-MT 400 SCHUNK base jaws.



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



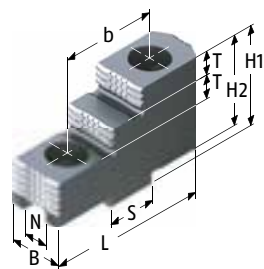
For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

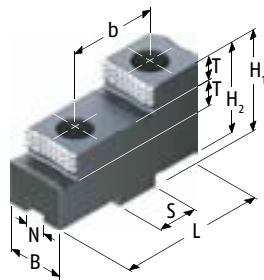
Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Metrischer Kreuzversatz

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

Metric tongue and groove

- *Universal for O.D.- and I.D.-Clamping*
- *Big clamping ranges*
- *Clamping surfaces with diamond serration*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5, hardened*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HG 160 HG-F 160 HG-N 160 KNCS 160 RMG 160 KNCS-N 170 KNCS 175 | SHF 160 | 0155100 | 1 | 8 | 18 | 20 | 36.5 | 32.5 | 63 | 7.5 | 32 | M8 | 0.6 |
| HG 200 KNCS 200 RMG 200 HG-F 210 HG-N 210 KNCS 210 KNCS-N 210 KNCS-NB 210 KNCS-N 225 KNCS-NB 225 | SHF 200 | 0155101 | 1 | 10 | 20 | 22 | 42 | 38 | 71.7 | 10 | 40 | M8 | 0.8 |
| HG 250 KNCS 250 RMG 250 HG-F 260 HG-N 260 KNCS 260 KNCS-N 260 KNCS-NB 260 KNCS-N 275 KNCS-NB 275 HG 315 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| HG-F 315 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| KNCS-NB 315 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| | SHF 315 ¹⁷⁾ | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| RMG 315 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| KNCS-N 325 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |

Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

Harte Stufenaufsatzbacken | *Hard Stepped Top Jaws*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | N [mm] | S [mm] | B [mm] | H1 [mm] | H2 [mm] | L [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KNCS-NB 325 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| | SHF 315 ¹⁷⁾ | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| KNCS-N 340 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| KNCS-NB 340 | SHF 250 | 0155102 | 2 | 12 | 20 | 30 | 55 | 50 | 90 | 14 | 40 | M12 | 1.9 |
| | SHF 315 ¹⁷⁾ | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| HG 400 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| HG-F 400 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| HG-N 400 KNCS 400 KNCS-N 400 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| KNCS-NB 400 KNCS-NBX 425 | SHF 315 | 0155103 | 2 | 12 | 26 | 36 | 62 | 56 | 105 | 15 | 54 | M12 | 3.3 |
| | SHF 400 ¹⁸⁾ | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| HG 500 HG-F 500 HG-N 500 KNCS 500 KNCS-N 500 KNCS-NB 500 KNCS-NBX 530 HG 630 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| HG-F 630 | SHF 630 | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |
| HG-N 630 KNCS 630 KNCS-N 630 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| KNCS-NB 630 KNCS-NBX 630 | SHF 400 | 0155104 | 2 | 18 | 30 | 45 | 82 | 75 | 130 | 20 | 60 | M16 | 6.8 |
| | SHF 630 ¹⁹⁾ | 0155106 | 2 | 24 | 40 | 65 | 105 | 97 | 185 | 30 | 82 | M20 | 18 |

17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.

18) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 400.

19) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 630.

17) When used together with EWB-MT 315 SCHUNK base jaws.

18) When used together with EWB-MT 400 SCHUNK base jaws.

19) When used together with EWB-MT 630 SCHUNK base jaws.



Passende Grundbacken finden Sie ab Seite 686.
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



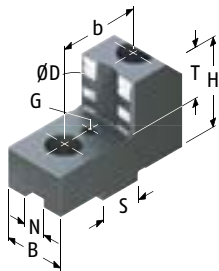
For suitable base jaw see page 686.
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

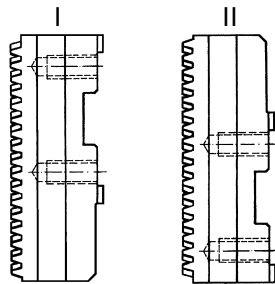
Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HG-F 160 | 43 - 73 | 195 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 56 - 85 | 194 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 90 - 121 | 201 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 111 - 141 | 197 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| HG-N 160 | 32 - 72 | 193 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 57 - 100 | 192 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 80 - 120 | 200 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 112 - 156 | 213 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS 160 | 29 - 57 | 178 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 59 - 87 | 178 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 76 - 105 | 185 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 109 - 138 | 199 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS-N 170 | 39 - 72 | 193 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 69 - 102 | 193 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 87 - 120 | 200 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 120 - 153 | 214 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS 175 | 32 - 66 | 187 | I | SZKA 169 | 0165174 | 8 | 18 | 26 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 62 - 96 | 187 | II | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 79 - 114 | 194 | I | SZKA 163 | 0165146 | 8 | 18 | 40 | 40 | 20 | M6 | 32 | M8 | 1 |
| | 112 - 147 | 208 | II | SZKA 167 | 0165150 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 117 - 152 | 208 | II | SZKA 168 | 0165151 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS 200 | 27 - 70 | 237 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 66 - 108 | 237 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 102 - 145 | 237 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 137 - 180 | 242 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |

Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK


Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HG-F 210 | 31 - 71 | 239 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 65 - 108 | 248 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 106 - 146 | 239 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 140 - 181 | 243 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| HG-N 210 | 27 - 74 | 241 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 64 - 113 | 243 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 95 - 149 | 241 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 130 - 184 | 246 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KNCS 210 | 30 - 76 | 243 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 68 - 113 | 243 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 105 - 151 | 243 | I | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 140 - 186 | 248 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KNCS-N 210 | 29 - 91 | 259 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 66 - 129 | 259 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 138 - 201 | 263 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KNCS-NB 210 | 29 - 91 | 259 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 66 - 129 | 259 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 138 - 201 | 263 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KNCS-N 225 | 30 - 102 | 269 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 68 - 139 | 269 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 140 - 212 | 274 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KNCS-NB 225 | 30 - 102 | 269 | I | SZKA 212 | 0139153 | 10 | 20 | 26 | 45 | 25 | M6 | 40 | M8 | 1.4 |
| | 68 - 139 | 269 | II | SZKA 213 | 0139154 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.3 |
| | 140 - 212 | 274 | I | SZKA 216 | 0139159 | 10 | 20 | 30 | 45 | 25 | M6 | 40 | M8 | 1.2 |
| KNCS 250 | 31 - 82 | 293 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 77 - 139 | 293 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 139 - 202 | 296 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 172 - 236 | 310 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| HG-F 260 | 32 - 73 | 296 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 74 - 130 | 296 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 149 - 205 | 299 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 182 - 238 | 313 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| HG-N 260 | 32 - 85 | 297 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 79 - 142 | 297 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 141 - 205 | 299 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 174 - 239 | 313 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS 260 | 31 - 93 | 305 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 86 - 150 | 305 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 140 - 213 | 308 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 174 - 247 | 322 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |

 Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KNCS-N 260 | 31 - 93 | 305 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 86 - 150 | 305 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 139 - 213 | 308 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 173 - 247 | 321 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 260 | 31 - 93 | 305 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 86 - 150 | 305 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 139 - 213 | 308 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 173 - 247 | 321 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 275 | 31 - 87 | 300 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 74 - 145 | 300 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 143 - 228 | 322 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 176 - 262 | 336 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 275 | 31 - 87 | 300 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 74 - 145 | 300 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 143 - 228 | 322 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 176 - 262 | 336 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| HG-F 315 | 44 - 102 | 370 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 119 - 210 | 370 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 191 - 302 | 390 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| HG-N 315 | 31 - 117 | 352 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 119 - 209 | 352 | II | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 206 - 296 | 371 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS 315-77 | 31 - 113 | 348 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 87 - 170 | 348 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 173 - 258 | 352 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 206 - 291 | 366 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS 315-91 | 43 - 124 | 359 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 99 - 182 | 359 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 185 - 269 | 364 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 218 - 303 | 378 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 315 | 32 - 135 | 370 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 87 - 193 | 370 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 173 - 280 | 375 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 207 - 314 | 389 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 315 | 32 - 135 | 370 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 78 - 171 | 365 | I | SZKA 321 ¹⁷⁾ | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 87 - 193 | 370 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 127 - 221 | 365 | II | SZKA 324 ¹⁷⁾ | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 173 - 280 | 375 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 190 - 279 | 368 | I | SZKA 324 ¹⁷⁾ | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| 207 - 314 | 389 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 | |

 Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KNCS-N 325 | 41 - 146 | 381 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 97 - 204 | 381 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 184 - 291 | 386 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 217 - 325 | 400 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 325 | 41 - 146 | 381 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 86 - 181 | 376 | I | SZKA 321 ¹⁷⁾ | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 97 - 204 | 381 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 136 - 232 | 376 | II | SZKA 324 ¹⁷⁾ | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 184 - 291 | 386 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 194 - 290 | 379 | I | SZKA 324 ¹⁷⁾ | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 217 - 325 | 400 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 340 | 55 - 161 | 396 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 112 - 218 | 396 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 199 - 306 | 400 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 232 - 340 | 415 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 340 | 55 - 161 | 396 | II | SZKA 263 | 0139160 | 12 | 20 | 30 | 50 | 25 | M6 | 40 | M12 | 1.4 |
| | 80 - 186 | 380 | I | SZKA 321 ¹⁷⁾ | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 112 - 218 | 396 | II | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 129 - 236 | 380 | II | SZKA 324 ¹⁷⁾ | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 186 - 294 | 383 | I | SZKA 324 ¹⁷⁾ | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 199 - 306 | 400 | I | SZKA 266 | 0139163 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 1.9 |
| | 232 - 340 | 415 | I | SZKA 268 | 0139165 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| HG-F 400 | 50 - 149 | 489 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 123 - 250 | 489 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 232 - 368 | 488 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| HG-N 400 | 44 - 155 | 423 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 137 - 263 | 423 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 214 - 341 | 430 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| KNCS 400 | 44 - 155 | 423 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 132 - 263 | 423 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 210 - 341 | 429 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| KNCS-N 400 | 53 - 182 | 450 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 159 - 290 | 450 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 237 - 368 | 457 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| KNCS-NB 400 | 53 - 182 | 450 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 57 - 183 | 455 | II | SZKA 409 ¹⁸⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 154 - 285 | 455 | II | SZKA 412 ¹⁸⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 159 - 290 | 450 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 201 - 332 | 455 | I | SZKA 412 ¹⁸⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 237 - 368 | 457 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |

 Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Außenspannung | *Hard Claw Jaws for O.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove


| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KNCS-NBX 425 | 106 - 215 | 485 | II | SZKA 321 | 0139166 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.1 |
| | 110 - 217 | 488 | II | SZKA 409 ¹⁸⁾ | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 210 - 319 | 488 | II | SZKA 412 ¹⁸⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 214 - 324 | 485 | II | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| | 257 - 367 | 488 | I | SZKA 412 ¹⁸⁾ | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 292 - 401 | 490 | I | SZKA 324 | 0139169 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.8 |
| HG-F 500 | 66 - 166 | 504 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 147 - 267 | 504 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 266 - 402 | 520 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| HG-N 500 | 50 - 180 | 520 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 125 - 281 | 520 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 245 - 403 | 522 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KNCS 500 | 50 - 180 | 520 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 130 - 281 | 520 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 250 - 403 | 522 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KNCS-N 500 | 50 - 207 | 548 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 128 - 309 | 548 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 236 - 430 | 550 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KNCS-NB 500 | 50 - 207 | 550 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 142 - 309 | 550 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 262 - 430 | 552 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KNCS-NBX 530 | 103 - 255 | 598 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 203 - 357 | 598 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 322 - 476 | 598 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KNCS-N 630 | 50 - 220 | 641 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 133 - 322 | 641 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 331 - 521 | 641 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KNCS-NB 630 | 50 - 220 | 641 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 133 - 322 | 641 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 331 - 521 | 641 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| KNCS-NBX 630 | 75 - 320 | 746 | II | SZKA 409 | 0139170 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 173 - 424 | 746 | II | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |
| | 372 - 624 | 746 | I | SZKA 412 | 0139173 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.1 |

17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.

18) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 400.

17) When used together with EWB-MT 315 SCHUNK base jaws.

18) When used together with EWB-MT 400 SCHUNK base jaws.

 Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

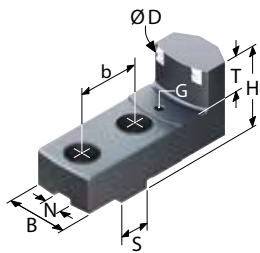
 For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

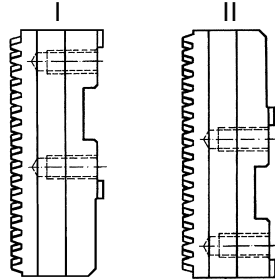
Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Lieferumfang: ohne Auflagebolzen
- Material: Stahl 16MnCr5, gehärtet



Ausführung 1 | *Version 1*



Grundbackenstellung
Position of base jaws

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Scope of delivery: without workpiece stops
- Material: Steel 16MnCr5, hardened

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HG-F 160 | 46 - 72 | 194 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 68 - 96 | 193 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 103 - 132 | 194 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| HG-N 160 | 47 - 71 | 192 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 69 - 112 | 191 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 91 - 131 | 192 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS 160 | 47 - 56 | 177 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 52 - 61 | 177 | I | SZKI 168 | 0166151 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 1.4 |
| | 71 - 98 | 177 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 88 - 116 | 177 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS-N 170 | 47 - 72 | 193 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 52 - 77 | 193 | I | SZKI 168 | 0166151 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 1.4 |
| | 82 - 114 | 193 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 99 - 132 | 193 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS 175 | 47 - 65 | 186 | I | SZKI 167 | 0166150 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 0.9 |
| | 51 - 70 | 186 | I | SZKI 168 | 0166151 | 8 | 18 | 35 | 40 | 20 | M6 | 32 | M8 | 1.4 |
| | 74 - 107 | 186 | II | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| | 91 - 125 | 186 | I | SZKI 169 | 0166152 | 8 | 18 | 30 | 40 | 20 | M6 | 32 | M8 | 1.3 |
| KNCS 200 | 53 - 84 | 236 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 116 | 236 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 110 - 154 | 236 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| HG-F 210 | 54 - 85 | 238 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 117 | 247 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 114 - 155 | 238 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |

Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HG-N 210 | 53 - 88 | 240 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 122 | 242 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 104 - 158 | 240 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KNCS 210 | 53 - 90 | 242 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 76 - 122 | 242 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 113 - 160 | 242 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KNCS-N 210 | 53 - 105 | 257 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 137 | 257 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 112 - 175 | 257 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KNCS-NB 210 | 53 - 105 | 257 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 82 - 137 | 257 | II | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| | 112 - 175 | 257 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KNCS-N 225 | 53 - 116 | 268 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 113 - 186 | 268 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KNCS-NB 225 | 53 - 116 | 268 | I | SZKI 209 | 0166154 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.7 |
| | 113 - 186 | 268 | I | SZKI 211 | 0166156 | 10 | 20 | 30 | 45 | 20 | M6 | 40 | M8 | 1.4 |
| KNCS 250 | 69 - 121 | 292 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 113 - 176 | 292 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 176 - 240 | 293 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| HG-F 260 | 70 - 123 | 295 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 - 167 | 295 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 187 - 242 | 296 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| HG-N 260 | 69 - 124 | 295 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 116 - 179 | 296 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 178 - 242 | 297 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS 260 | 69 - 132 | 304 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 117 - 187 | 304 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 177 - 251 | 305 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 260 | 69 - 132 | 303 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 114 - 187 | 304 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 176 - 251 | 305 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 260 | 69 - 132 | 303 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 114 - 187 | 304 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 176 - 251 | 305 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 275 | 69 - 146 | 318 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 - 182 | 299 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 180 - 265 | 319 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 275 | 69 - 146 | 318 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 112 - 182 | 299 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 180 - 265 | 319 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |

 Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HG-F 315 | 93 - 190 | 383 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 118 - 207 | 369 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 189 - 299 | 383 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| HG-N 315 | 91 - 180 | 353 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 123 - 212 | 351 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 209 - 300 | 354 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS 315-77 | 92 - 176 | 349 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 124 - 208 | 347 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 210 - 295 | 349 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS 315-91 | 104 - 187 | 360 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 135 - 219 | 358 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 222 - 307 | 361 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 315 | 92 - 198 | 371 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 124 - 230 | 369 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 210 - 318 | 372 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 315 | 92 - 198 | 371 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 105 - 168 | 365 | I | SZKI 319 ⁽¹⁷⁾ | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 124 - 230 | 369 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 135 - 219 | 365 | II | SZKI 322 ⁽¹⁷⁾ | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 191 - 276 | 365 | I | SZKI 322 ⁽¹⁷⁾ | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 210 - 318 | 372 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 325 | 103 - 209 | 382 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 134 - 241 | 380 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 221 - 329 | 383 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 325 | 93 - 179 | 376 | I | SZKI 319 ⁽¹⁷⁾ | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 103 - 209 | 382 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 134 - 241 | 380 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 134 - 230 | 376 | II | SZKI 322 ⁽¹⁷⁾ | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 191 - 288 | 376 | I | SZKI 322 ⁽¹⁷⁾ | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 221 - 329 | 383 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-N 340 | 118 - 225 | 398 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 150 - 257 | 396 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 237 - 345 | 399 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| KNCS-NB 340 | 99 - 183 | 380 | I | SZKI 319 ⁽¹⁷⁾ | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 118 - 225 | 398 | I | SZKI 261 | 0166158 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.8 |
| | 138 - 234 | 380 | II | SZKI 322 ⁽¹⁷⁾ | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 150 - 257 | 396 | II | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |
| | 184 - 292 | 380 | I | SZKI 322 ⁽¹⁷⁾ | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 237 - 345 | 399 | I | SZKI 264 | 0166161 | 12 | 20 | 40 | 50 | 25 | M6 | 40 | M12 | 2.2 |

 Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".


SMW-AUTOBLOK


Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| HG-F 400 | 104 - 178 | 487 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 157 - 269 | 488 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 252 - 387 | 487 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| HG-N 400 | 104 - 230 | 422 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 134 - 261 | 422 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 211 - 338 | 422 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KNCS 400 | 100 - 230 | 423 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 130 - 260 | 422 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 208 - 339 | 423 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KNCS-N 400 | 126 - 256 | 449 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 156 - 287 | 449 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 234 - 365 | 449 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KNCS-NB 400 | 107 - 214 | 455 | II | SZKI 409 ¹⁸⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 126 - 256 | 449 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 156 - 287 | 449 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 174 - 304 | 455 | II | SZKI 411 ¹⁸⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 221 - 351 | 455 | I | SZKI 411 ¹⁸⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 234 - 365 | 449 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KNCS-NBX 425 | 139 - 248 | 487 | II | SZKI 409 ¹⁸⁾ | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 180 - 290 | 484 | I | SZKI 319 | 0166162 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 3.9 |
| | 211 - 321 | 484 | II | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| | 229 - 338 | 487 | II | SZKI 411 ¹⁸⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 276 - 386 | 487 | I | SZKI 411 ¹⁸⁾ | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 289 - 399 | 484 | I | SZKI 322 | 0166165 | 12 | 26 | 40 | 53 | 25 | M8 | 54 | M12 | 2.7 |
| KNCS 500 | 103 - 210 | 519 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 156 - 300 | 519 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 269 - 422 | 521 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KNCS-N 500 | 103 - 238 | 547 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 157 - 328 | 547 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 255 - 449 | 549 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KNCS-NB 500 | 103 - 238 | 549 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 161 - 328 | 549 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 281 - 449 | 551 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KNCS-NBX 530 | 132 - 286 | 597 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 222 - 376 | 597 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 341 - 495 | 597 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KNCS-N 630 | 103 - 251 | 640 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 157 - 341 | 640 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 350 - 540 | 640 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |

 Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.

 For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

Harte Krallenbacken für Innenspannung | *Hard Claw Jaws for I.D.-Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | G | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|----|-----------|----------------------------|--------------------------------|
| KNCS-NB 630 | 103 - 251 | 640 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 157 - 341 | 640 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 350 - 540 | 640 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| KNCS-NBX 630 | 105 - 354 | 746 | II | SZKI 409 | 0166166 | 18 | 30 | 60 | 71 | 33 | M8 | 60 | M16 | 6 |
| | 192 - 443 | 745 | II | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |
| | 391 - 643 | 745 | I | SZKI 411 | 0166168 | 18 | 30 | 50 | 71 | 33 | M8 | 60 | M16 | 5.5 |

17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.

18) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 400.

17) When used together with EWB-MT 315 SCHUNK base jaws.

18) When used together with EWB-MT 400 SCHUNK base jaws.



Passende Grundbacken finden Sie ab Seite 686.
Passende weiche Auflagebolzen finden Sie im Katalogteil „Zube-
hör“.



For suitable base jaw see page 686.
For suitable soft workpiece stops see catalog chapter "Accesso-
ries".

SMW-AUTOBLOK

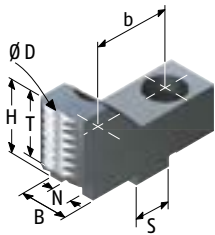
Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Metrischer Kreuzversatz

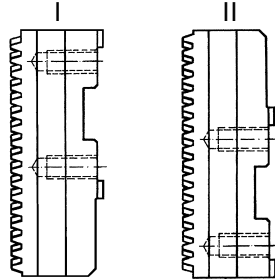
- Spannfläche mit Krallen für mehr Grip
- Gewichtserleichtert
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, gehärtet

Metric tongue and groove

- Clamping surface with claws for more grip
- Weight reduced
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5, hardened



Ausführung 1 | Version 1



Grundbackenstellung
Position of base jaws

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Set [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|---------------|
| HG-F 160 | 12 - 27 | 194 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| HG-N 160 | 10 - 43 | 192 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| KNCS 160 | 10 - 29 | 178 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| KNCS-N 170 | 12 - 44 | 193 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| KNCS 175 | 10 - 38 | 187 | II | SZKA-ST 161 | 0182150 | 8 | 18 | 22 | 40 | 30 | 32 | M8 | 0.8 |
| KNCS 200 | 17 - 59 | 237 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| HG-F 210 | 10 - 59 | 248 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| HG-N 210 | 10 - 65 | 243 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KNCS 210 | 19 - 65 | 243 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KNCS-N 210 | 17 - 80 | 259 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KNCS-NB 210 | 17 - 80 | 259 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KNCS-N 225 | 19 - 90 | 269 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KNCS-NB 225 | 19 - 90 | 269 | II | SZKA-ST 201 | 0182152 | 10 | 20 | 22 | 45 | 37 | 40 | M8 | 0.9 |
| KNCS 250 | 14 - 64 | 293 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| HG-F 260 | 14 - 55 | 296 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| HG-N 260 | 13 - 68 | 297 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS 260 | 13 - 76 | 305 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-N 260 | 14 - 76 | 305 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-NB 260 | 14 - 76 | 305 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-N 275 | 13 - 70 | 300 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-NB 275 | 13 - 70 | 300 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| HG-F 315 | 16 - 86 | 370 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| HG-N 315 | 13 - 101 | 352 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS 315-77 | 14 - 96 | 347 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS 315-91 | 24 - 107 | 359 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-N 315 | 14 - 118 | 370 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |



Passende Grundbacken finden Sie ab Seite 686.



For suitable base jaw see page 686.

SMW-AUTOBLOK

Harte Krallenbacken für Stangenspannung | *Hard Claw Jaws for Bar Clamping*

Metrischer Kreuzversatz

Metric tongue and groove

| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range</i> [mm] | Schwing- kreis <i>Swing diameter</i> [mm] | Grundba- ckenstel- lung <i>Position of base jaws</i> | Bezeichnung <i>Description</i> | ID | N [mm] | S [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Schrauben <i>Screws</i> | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|--|--|---|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KNCS-NB 315 | 14 - 118 | 370 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| | 17 - 98 | 365 | II | SZKA-ST 311 ¹⁷⁾ | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| KNCS-N 325 | 23 - 129 | 381 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-NB 325 | 16 - 109 | 376 | II | SZKA-ST 311 ¹⁷⁾ | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| | 41 - 146 | 381 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-N 340 | 37 - 144 | 396 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| KNCS-NB 340 | 19 - 113 | 380 | II | SZKA-ST 311 ¹⁷⁾ | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| | 37 - 144 | 396 | II | SZKA-ST 251 | 0182154 | 12 | 20 | 26 | 45 | 35 | 40 | M12 | 1.2 |
| HG-N 400 | 16 - 140 | 423 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| KNCS 400 | 16 - 139 | 423 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| KNCS-N 400 | 36 - 167 | 450 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| KNCS-NB 400 | 36 - 167 | 450 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |
| KNCS-NBX 425 | 90 - 200 | 485 | II | SZKA-ST 311 | 0182156 | 12 | 26 | 32 | 50 | 40 | 54 | M12 | 2.2 |

17) Bei Verwendung mit SCHUNK-Grundbacken EWB-MT 315.

17) When used together with EWB-MT 315 SCHUNK base jaws.



Passende Grundbacken finden Sie ab Seite 686.



For suitable base jaw see page 686.

SMW-AUTOBLOK

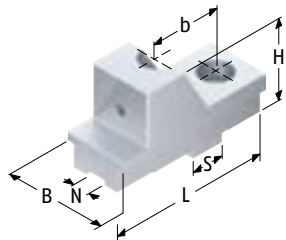
QUENTES Kunststoffbacken Aluminium | *QUENTES Fiberglass Jaws Aluminium*

Metrischer Kreuzversatz

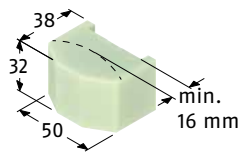
- Trägerbacken aus hochfestem Aluminium
- Spanneinsätze aus glasfaserverstärktem Kunststoff
- Hoher Reibwert ca. 0,3 – 0,4
- Schonende Spannung

Metric tongue and groove

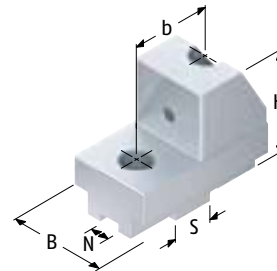
- Support Jaw made from high tensile aluminium
- Clamping inserts of fiberglass
- High friction coefficient of approx. 0.3 – 0.4
- Gentle clamping



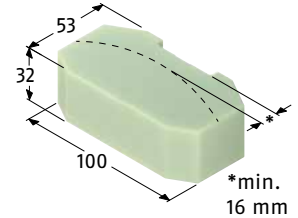
TRQK ...-1



QUENTES 10



TRQK ...-2



QUENTES 20

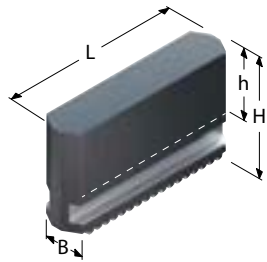
| Futtertype <i>Chuck type</i> | Spannbe- reich <i>Clamping range [mm]</i> | Bezeichnung <i>Description</i> | ID | Spanneinsatz ID <i>Clamping insert</i> | N [mm] | S [mm] | B [mm] | H [mm] | L [mm] | b [mm] | Schrauben <i>Screws</i> | m/Set <i>m/Set</i> | [kg] |
|---|---|-----------------------------------|---------|---|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|-----------------------|------|
| HG 160 HG-F 160 HG-N 160 KNCS 160 KNCS-N 170 KNCS 175 | 20 – 73 | TRQK 160 | 0150024 | QUENTES 10 | 0150100 | 8 | 18 | 38 | 54 | 56 | 32 | M8 | 0.5 |
| HG 200 KNCS 200 HG-F 210 HG-N 210 KNCS 210 KNCS-N 210 KNCS-NB 210 KNCS-N 225 | 20 – 51 | TRQK 200-1 | 0150009 | QUENTES 10 | 0150100 | 10 | 20 | 38 | 54 | 91 | 40 | M8 | 0.74 |
| | 55 – 129 | TRQK 200-2 | 0150010 | QUENTES 20 | 0150200 | 10 | 20 | 40 | 58 | 72 | 40 | M8 | 0.76 |
| HG 250 KNCS 250 HG-F 260 HG-N 260 KNCS 260 KNCS-N 260 KNCS-NB 260 | 20 – 95 | TRQK 250-1 | 0150011 | QUENTES 10 | 0150100 | 12 | 20 | 38 | 53 | 98 | 40 | M12 | 0.8 |
| | 55 – 180 | TRQK 250-2 | 0150012 | QUENTES 20 | 0150200 | 12 | 20 | 40 | 57 | 72 | 40 | M12 | 0.7 |

SMW-AUTOBLOK

Weiche Blockbacken | *Soft Monoblock Jaws*

Schräge Verzahnung


- Verzahnung und Nuten induktiv gehärtet und geschliffen
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: C45, vergütet




Angled serration

- Serration and slots inductive hardened and ground
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: C45, tempered

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | B [mm] | H [mm] | L [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|--------------------------------|
| HG-F 160 | SMB 160 | 0163100 | 20 | 45 | 79 | 24 | 1.5 |
| | SMB-H 160 | 0163200 | 20 | 60 | 79 | 39 | 2 |
| HG-F 210 | SMB 200 | 0163101 | 22 | 60 | 94 | 35 | 2.6 |
| | SMB-H 200 | 0163201 | 22 | 80 | 94 | 55 | 3.6 |
| HG-F 260 | SMB 250 | 0163102 | 26 | 70 | 115 | 40 | 4.4 |
| | SMB-H 250 | 0163202 | 26 | 100 | 115 | 70 | 6.5 |
| HG-F 315 | SMB 315 | 0163103 | 32 | 81 | 140 | 46 | 7.5 |
| | SMB-H 315 | 0163203 | 32 | 135 | 140 | 100 | 13 |
| HG-F 400 | SMB 400 | 0163104 | 45 | 93 | 176 | 53 | 15 |
| HG-F 500 | SMB 500 | 0163105 | 45 | 130 | 176 | 90 | 21.6 |

 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

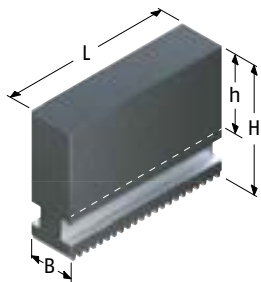
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

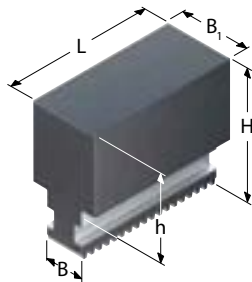
Weiche Blockbacken | *Soft Monoblock Jaws*

Gerade Verzahnung

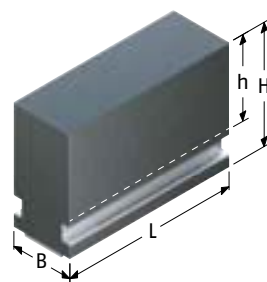
- Verzahnung und Nuten induktiv gehärtet und geschliffen
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: C45, vergütet



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*



Ausführung 3 | *Version 3*

Straight serration

- Serration and slots inductive hardened and ground
- Highest stability by monoblock design
- Delivery unit: 1 set = 3 pieces
- Material: C45, tempered

| Futtertype | Bezeichnung | ID | Ausführung | B [mm] | B1 [mm] | H [mm] | L [mm] | h [mm] | m/Satz [kg] |
|---|-------------|---------|------------|--------|---------|--------|--------|--------|-------------|
| KNCS 140 KNCS-N 140 HG 160 HG-N 160 KNCS 160 RMG 160 KNCS-N 170 KNCS 175 | UVB 160 | 0164106 | 1 | 20 | | 55.5 | 65 | 35 | 1.6 |
| HG 200 KNCS 200 RMG 200 HG-N 210 KNCS 210 KNCS-N 210 KNCS-N 225 | UVB 200 | 0164100 | 1 | 22 | | 65 | 84 | 40 | 2.7 |
| | UVB-B 200 | 0164113 | 2 | 22 | 40 | 65 | 84 | 38 | 3.9 |
| | UVB-H 200 | 0164116 | 1 | 22 | | 85 | 84 | 60 | 3.2 |
| HG 250 KNCS 250 RMG 250 HG-N 260 KNCS 260 KNCS-N 260 KNCS-N 275 | UVB 250 | 0164101 | 1 | 26 | | 84 | 99 | 55 | 4.8 |
| | UVB-B 250 | 0164114 | 2 | 26 | 46 | 84 | 99 | 52 | 7.2 |
| | UVB-H 250 | 0164117 | 1 | 26 | | 115 | 99 | 86 | 6.6 |
| HG 315 HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | UVB 315 | 0164102 | 1 | 32 | | 90 | 121 | 56 | 7.6 |
| | UVB-B 315 | 0164115 | 2 | 32 | 46 | 90 | 121 | 52 | 9.6 |
| | UVB-H 315 | 0164118 | 1 | 32 | | 135 | 121 | 101 | 11.3 |
| KNCS-NB 315 | EWM 315 | 0164132 | 3 | 50 | | 90 | 120 | 56 | 11.9 |
| RMG 315 | UVB 400 | 0164103 | 1 | 32 | | 100 | 148 | 66 | 10 |
| KNCS-N 325 | UVB 315 | 0164102 | 1 | 32 | | 90 | 121 | 56 | 7.6 |
| | UVB-B 315 | 0164115 | 2 | 32 | 46 | 90 | 121 | 52 | 9.6 |
| | UVB-H 315 | 0164118 | 1 | 32 | | 135 | 121 | 101 | 11.3 |
| KNCS-NB 325 | EWM 315 | 0164132 | 3 | 50 | | 90 | 120 | 56 | 11.9 |
| KNCS-N 340 | UVB 315 | 0164102 | 1 | 32 | | 90 | 121 | 56 | 7.6 |
| | UVB-B 315 | 0164115 | 2 | 32 | 46 | 90 | 121 | 52 | 9.6 |
| | UVB-H 315 | 0164118 | 1 | 32 | | 135 | 121 | 101 | 11.3 |
| KNCS-NB 340 | EWM 315 | 0164132 | 3 | 50 | | 90 | 120 | 56 | 11.9 |

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".


SMW-AUTOBLOK


Weiche Blockbacken | *Soft Monoblock Jaws*

Gerade Verzahnung

Straight serration

| Futtertype | Bezeichnung | ID | Ausführung | B [mm] | B1 [mm] | H [mm] | L [mm] | h [mm] | m/Satz [kg] |
|--|-------------|---------|------------|-----------|------------|-----------|-----------|-----------|----------------|
| HG 400 HG-N 400 KNCS 400 KNCS-N 400 | UVB 400 | 0164103 | 1 | 32 | | 100 | 148 | 66 | 10 |
| KNCS-NB 400 KNCS-NBX 425 | EWM 400 | 0164133 | 3 | 50 | | 100 | 142 | 66 | 16 |
| HG 500 HG-N 500 KNCS 500 KNCS-N 500 | UVB 500 | 0164104 | 1 | 45 | | 124 | 175 | 77 | 20.3 |
| HG 630 HG-N 630 KNCS 630 KNCS-N 630 | UVB 630 | 0164105 | 1 | 45 | | 134 | 230 | 87 | 31 |

 Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

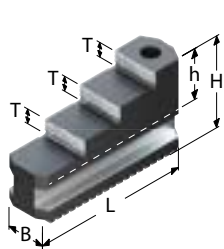
 For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

SMW-AUTOBLOK

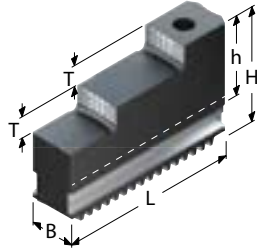
Harte Stufenblockbacken | *Hard Stepped Block Jaws*

Schräge Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, einsatzgehärtet



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

Angled serration

- *Universal for O.D.- and I.D.-Clamping*
- *Big clamping ranges*
- *Clamping surfaces with diamond serration*
- *Highest stability by monoblock design*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5, case-hardened*

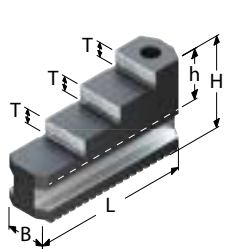
| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|---------------------------------|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|--------------------------------|
| HG-F 160 | STF 160 | 0161100 | 1 | 20 | 45 | 79 | 7.5 | 24 | 1.1 |
| HG-F 210 | STF 200 | 0161101 | 1 | 22 | 60 | 94 | 10 | 35 | 1.9 |
| HG-F 260 | STF 250 | 0161102 | 2 | 26 | 70 | 114 | 14 | 40 | 3.3 |
| HG-F 315 | STF 315 | 0161103 | 2 | 32 | 81 | 129 | 15 | 46 | 5.5 |
| HG-F 400 HG-F 500 | STF 400 | 0161104 | 2 | 45 | 93 | 167 | 20 | 52 | 10.8 |

SMW-AUTOBLOK

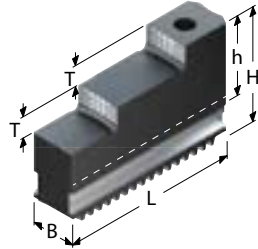
Harte Stufenblockbacken | *Hard Stepped Block Jaws*

Gerade Verzahnung

- Universell für Außen- und Innenspannung
- Große Spannbereiche
- Spannflächen mit Pflastersteinverzahnung
- Höchste Stabilität durch Monoblockausführung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5, einsatzgehärtet



Ausführung 1 | *Version 1*



Ausführung 2 | *Version 2*

Straight serration

- *Universal for O.D.- and I.D.-Clamping*
- *Big clamping ranges*
- *Clamping surfaces with diamond serration*
- *Highest stability by monoblock design*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Steel 16MnCr5, case-hardened*

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|---|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|--------------------------------|
| KNCS 140 KNCS-N 140 HG 160 HG-N 160 KNCS 160 RMG 160 | GST 140/160 [12] | 0162097 | 1 | 20 | 43.5 | 58 | 7 | 22 | 0.7 |
| KNCS 170 KNCS 175 | GST 175 | 0162099 | 1 | 20 | 46 | 66.6 | 7 | 24 | 0.9 |
| HG 200 KNCS 200 RMG 200 HG-N 210 KNCS 210 KNCS-N 210 KNCS-N 225 | GST 201 | 0162106 | 1 | 22 | 54 | 84.8 | 8 | 29 | 1.6 |
| HG 250 KNCS 250 RMG 250 HG-N 260 KNCS 260 KNCS-N 260 KNCS-N 275 | GST 251 | 0162105 | 1 | 26 | 65 | 107.4 | 10 | 36 | 2.8 |
| HG 315 HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | GST 315 | 0162102 | 1 | 32 | 66 | 116.3 | 10 | 32 | 3.5 |
| RMG 315 | GST 400 | 0162103 | 1 | 32 | 70 | 136.4 | 11 | 36 | 4.6 |
| KNCS-N 325 KNCS-N 340 | GST 315 | 0162102 | 1 | 32 | 66 | 116.3 | 10 | 32 | 3.5 |
| HG 400 HG-N 400 KNCS 400 KNCS-N 400 | GST 400 | 0162103 | 1 | 32 | 70 | 136.4 | 11 | 36 | 4.6 |

SMW-AUTOBLOK

Harte Stufenblockbacken | *Hard Stepped Block Jaws*

Gerade Verzahnung

Straight serration

| Futtertype <i>Chuck type</i> | Bezeichnung <i>Description</i> | ID | Ausführung <i>Version</i> | B [mm] | H [mm] | L [mm] | T [mm] | h [mm] | m/Satz <i>m/Set</i> [kg] |
|--|-----------------------------------|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|--------------------------------|
| HG 500 HG-N 500 KNCS 500 KNCS-N 500 HG 630 HG-N 630 KNCS 630 KNCS-N 630 | GST 500-630 | 0162104 | 2 | 45 | 93 | 175 | 20 | 46 | 11.7 |

12) Lückenlose Spannung nur mit 2 Satz Stufenblockbacken (I+II) möglich.

12) *Clamping a full range is only possible by using two sets of block jaws (I+II).*

SMW-AUTOBLOK

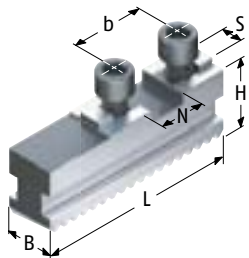
Grundbacken | Base jaws

Schräge Verzahnung

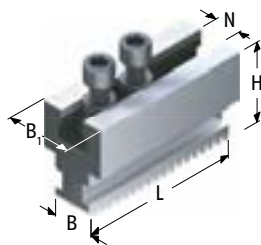
- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben (außer Type EWB-TG)

Angled serration

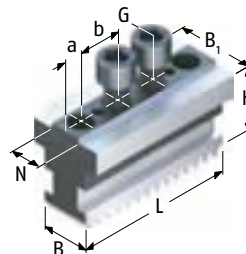
- Base Jaws for Top Jaws
- Hardened and precision ground
- Delivery unit: 1 set = 3 pieces
- Including screws (except Type EWB-TG)



Ausführung 1 | Version 1



Ausführung 2 | Version 2




Ausführung 3 | Version 3

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set [kg] |
|--------------------------|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|------------------------|
| HG-F 160 | SFG 160 | 0157100 | MT* | 1 | 18 | 8 | 20 | | 27 | 74 | | 32 | M8x1 | 0.8 |
| | SFGK 160 | 0157500 | MT* | 1 | 18 | 8 | 20 | | 27 | 64 | | 32 | M8x1 | 0.7 |
| | SFG-V 160 ¹³⁾ | 0157150 | MT* | 1 | 18 | 8 | 20 | | 29.5 | 74 | | 32 | M8x1 | 0.8 |
| HG-F 210 | SFG 200 | 0157101 | MT* | 1 | 20 | 10 | 22 | | 32 | 90 | | 40 | M8x1 | 1.2 |
| | SFGK 200 | 0157501 | MT* | 1 | 20 | 10 | 22 | | 32 | 80 | | 40 | M8x1 | 1.1 |
| | SFGL 200 | 0157121 | MT* | 1 | 20 | 10 | 22 | | 32 | 110 | | 40 | M8x1 | 1.5 |
| | SFG-V 200 ¹³⁾ | 0157151 | MT* | 1 | 20 | 10 | 22 | | 32 | 88 | | 40 | M8x1 | 1.2 |
| | STB 200 | 0156099 | 1/16" x 90° | 2 | 17 | | 22 | 45 | 61 | 80 | | | M12 | 3.4 |
| HG-F 260 | SFG 250 | 0157102 | MT* | 1 | 20 | 12 | 26 | | 37 | 110 | | 40 | M12x1,5 | 2 |
| | SFGK 250 | 0157502 | MT* | 1 | 20 | 12 | 26 | | 37 | 91 | | 40 | M12x1,5 | 1.6 |
| | SFGL 250 | 0157112 | MT* | 1 | 20 | 12 | 26 | | 37 | 122 | | 40 | M12x1,5 | 2.3 |
| | SFG-V 250 ¹³⁾ | 0157152 | MT* | 1 | 20 | 12 | 26 | | 37 | 110 | | 40 | M12x1,5 | 2 |
| | STB 250-1 | 0156100 | 1/16" x 90° | 2 | 17 | | 26 | 45 | 65 | 110 | | | M12 | 4.9 |
| | STB 250-2 | 0156101 | 1/16" x 90° | 2 | 21 | | 26 | 54 | 70 | 110 | | | M16 | 5.2 |
| | STN 250-4 | 0160501 | 1/16" x 90° | 3 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4.2 |
| HG-F 315 | SFG 315 | 0157103 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | SFGL 315 | 0157123 | MT* | 1 | 26 | 12 | 32 | | 43 | 160 | | 54 | M12x1,5 | 4 |
| | SFG-V 315 ¹³⁾ | 0157153 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12x1,5 | 3.1 |
| | STB 315-2 | 0156103 | 1/16" x 90° | 2 | 21 | | 32 | 54 | 75 | 125 | | | M16 | 9.3 |
| | STN 315-4 | 0160503 | 1/16" x 90° | 3 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| HG-F 400 HG-F 500 | SFG 400 | 0157104 | MT* | 1 | 30 | 18 | 45 | | 51 | 160 | | 60 | M16x1.5 | 7.2 |
| | SFGL 400 | 0157124 | MT* | 1 | 30 | 18 | 45 | | 51 | 200 | | 60 | M16x1.5 | 8.6 |
| | STB 400-1 | 0156104 | 1/16" x 90° | 2 | 21 | | 45 | 54 | 80 | 160 | | | M16 | 12 |
| | STB 400-2 | 0156105 | 3/32" x 90° | 2 | 25.5 | | 45 | 64 | 82 | 160 | | | M20 | 12.2 |
| HG-F 630 | SFG 630 | 0157106 | MT* | 1 | 40 | 24 | 65 | | 58 | 230 | | 82 | M20 | 17.1 |

* MT = Metrischer Kreuzversatz
13) 1/2 Zahnversatz

* MT = Metric tongue and groove
13) 1/2 Tooth pitch

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

 For suitable jaw mounting spare screws see catalog chapter "Accessories".

SMW-AUTOBLOK

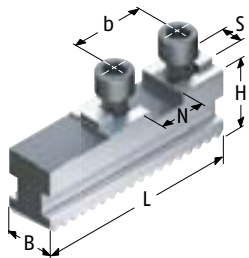
Grundbacken | Base jaws

Gerade Verzahnung

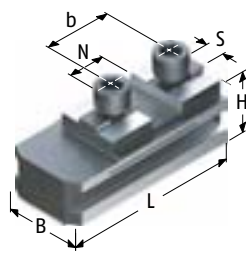
- Grundbacken für Aufsatzbacken
- Gehärtet und präzisionsgeschliffen
- Liefereinheit: 1 Satz = 3 Stück
- Einschließlich Zylinderschrauben (außer Type EWB-TG)

Straight serration

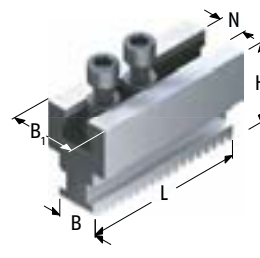
- Base jaw for top jaws
- hardened and precision-ground
- Delivery unit: 1 set = 3 pieces
- Including cyl. screw (except for type EWB-TG)



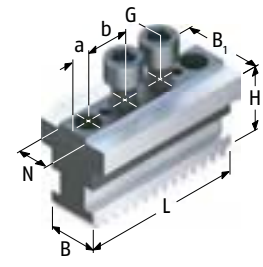
Ausführung 1 | Version 1



Ausführung 2 | Version 2



Ausführung 3 | Version 3



Ausführung 4 | Version 4

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Set m/Set [kg] |
|---|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|------------------------|
| KNCS 140 KNCS-N 140 | GBK 140 | 0159099 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 56 | | 32 | M8 | 0.4 |
| | GBK-V 140 ¹³⁾ | 0159157 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 56 | | 32 | M8 | 0.4 |
| HG 160 HG-N 160 KNCS 160 RMG 160 KNCS-N 170 KNCS 175 | GBK 160 | 0159106 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 65 | | 32 | M8 | 0.6 |
| | GBK-V 160 ¹³⁾ | 0159156 | MT* | 1 | 18 | 8 | 20 | | 27.5 | 65 | | 32 | M8 | 0.6 |
| HG 200 KNCS 200 RMG 200 HG-N 210 KNCS 210 KNCS-N 210 KNCS-N 225 | GBK 200 | 0159100 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | GBKL 200 | 0159120 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 105 | | 40 | M8 | 1.2 |
| | GBK-V 200 ¹³⁾ | 0159150 | MT* | 1 | 20 | 10 | 22 | | 29.5 | 85 | | 40 | M8 | 1 |
| | STB-G 200-1 | 0160655 | 1/16" x 90° | 3 | 17 | | 22 | 45 | 56 | 85 | | | M12 | 3 |
| | STNJ 200-5 | 0160650 | 1,5mm x 60° | 4 | 14 | | 22 | 40 | 47 | 95 | 10 | 25 | M12 | 2.6 |
| HG 250 KNCS 250 RMG 250 HG-N 260 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STB-G 250-2 | 0160657 | 1/16" x 90° | 3 | 21 | | 26 | 50 | 68 | 104 | | | M16 | 5.2 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 4 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| | STNJ 250-5 | 0160651 | 1,5mm x 60° | 4 | 16 | | 26 | 40 | 47 | 110 | 10 | 30 | M12 | 2.9 |
| KNCS 260 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STB-G 250-2 | 0160657 | 1/16" x 90° | 3 | 21 | | 26 | 50 | 68 | 104 | | | M16 | 5.2 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 4 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| | STNJ 250-5 | 0160651 | 1,5mm x 60° | 4 | 16 | | 26 | 40 | 47 | 110 | 10 | 30 | M12 | 2.9 |

Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

For suitable jaw mounting spare screws see catalog chapter "Accessories".

SMW-AUTOBLOK


Grundbacken | Base jaws

Gerade Verzahnung

Straight serration

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Setz m/Set [kg] |
|--|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| KNCS-N 260 KNCS-N 275 | GBK 250 | 0159101 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | GBKL 250 | 0159121 | MT* | 1 | 20 | 12 | 26 | | 37 | 125 | | 40 | M12 | 2.4 |
| | GBK-V 250 ¹³⁾ | 0159151 | MT* | 1 | 20 | 12 | 26 | | 37 | 104 | | 40 | M12 | 1.8 |
| | STB-G 250-2 | 0160657 | 1/16" x 90° | 3 | 21 | | 26 | 50 | 68 | 104 | | | M16 | 5.2 |
| | STN 250-5 | 0160600 | 1/16" x 90° | 4 | 17 | | 26 | 40 | 46 | 86 | 10 | 22 | M12 | 2.6 |
| | STN 250-6 | 0160601 | 1/16" x 90° | 4 | 21 | | 26 | 45 | 50 | 110 | 13 | 28 | M16 | 4 |
| | STNJ 250-5 | 0160651 | 1,5mm x 60° | 4 | 16 | | 26 | 40 | 47 | 110 | 10 | 30 | M12 | 2.9 |
| HG 315 HG-N 315 KNCS 315-77 KNCS 315-91 KNCS-N 315 | GBK 315 | 0159102 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | GBKL 315 | 0159122 | MT* | 1 | 20 | 12 | 32 | | 43 | 137 | | 40 | M12 | 3.5 |
| | GBK-V 315 ¹³⁾ | 0159152 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | STB-G 315-2 | 0160659 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 115 | | | M16 | 7.5 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 4 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 4 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| KNCS-NB 315 | EWB-MT 315 | 0160792 | MT* | 2 | 26 | 12 | 50 | | 43 | 115 | | 54 | M12 | 4.5 |
| RMG 315 | GBK 400 | 0159103 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |
| | GBK-V 400 ¹³⁾ | 0159158 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |
| | STB-G 315-2 | 0160659 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 115 | | | M16 | 7.5 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 4 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 4 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| KNCS-N 325 | GBK 315 | 0159102 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | GBKL 315 | 0159122 | MT* | 1 | 20 | 12 | 32 | | 43 | 137 | | 40 | M12 | 3.5 |
| | GBK-V 315 ¹³⁾ | 0159152 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | STB-G 315-2 | 0160659 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 115 | | | M16 | 7.5 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 4 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 4 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| KNCS-NB 325 | EWB-MT 315 | 0160792 | MT* | 2 | 26 | 12 | 50 | | 43 | 115 | | 54 | M12 | 4.5 |
| KNCS-N 340 | GBK 315 | 0159102 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | GBKL 315 | 0159122 | MT* | 1 | 20 | 12 | 32 | | 43 | 137 | | 40 | M12 | 3.5 |
| | GBK-V 315 ¹³⁾ | 0159152 | MT* | 1 | 20 | 12 | 32 | | 43 | 115 | | 40 | M12 | 3 |
| | STB-G 315-2 | 0160659 | 1/16" x 90° | 3 | 21 | | 32 | 54 | 75 | 115 | | | M16 | 7.5 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 4 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 4 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| KNCS-NB 340 | EWB-MT 315 | 0160792 | MT* | 2 | 26 | 12 | 50 | | 43 | 115 | | 54 | M12 | 4.5 |

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

 For suitable jaw mounting spare screws see catalog chapter "Accessories".

Gerade Verzahnung


Straight serration

| Futtertype Chuck type | Bezeichnung Description | ID | Aufnahme | Ausführung Version | N [mm] | S [mm] | B [mm] | B1 [mm] | H [mm] | L [mm] | a [mm] | b [mm] | Schrauben Screws | m/Satz m/Set [kg] |
|--|----------------------------|---------|-------------|-----------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------|-------------------------|
| HG 400 HG-N 400 KNCS 400 KNCS-N 400 | GBK 400 | 0159103 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |
| | GBK-V 400 ¹³⁾ | 0159158 | MT* | 1 | 26 | 12 | 32 | | 43 | 125 | | 54 | M12 | 3 |
| | STB-G 400-2 | 0160661 | 3/32" x 90° | 3 | 25.5 | | 32 | 60 | 74 | 125 | | | M20 | 8.4 |
| | STN 315-6 | 0160603 | 1/16" x 90° | 4 | 21 | | 32 | 45 | 55 | 110 | 13 | 28 | M16 | 4.5 |
| | STNJ 315-5 | 0160652 | 1,5mm x 60° | 4 | 18 | | 32 | 50 | 53 | 120 | 15 | 30 | M14 | 4.9 |
| | STNJ 315-6 | 0160665 | 1,5mm x 60° | 4 | 21 | | 32 | 50 | 57 | 125 | 17.5 | 30 | M16 | 5.5 |
| KNCS-NB 400 KNCS-NBX 425 | EWB-MT 400 | 0160793 | MT* | 2 | 30 | 18 | 50 | | 51 | 125 | | 60 | M16 | 6.1 |
| HG 500 HG-N 500 KNCS 500 KNCS-N 500 | GBK 500 | 0159104 | MT* | 1 | 30 | 18 | 45 | | 57 | 160 | | 60 | M16 | 8.6 |
| | STB-G 500-2 | 0160663 | 3/32" x 90° | 3 | 25.5 | | 45 | 68 | 88 | 161 | | | M20 | 16.2 |
| KNCS-NB 500 KNCS-NBX 530 | EWB-MT 500 | 0160794 | MT* | 2 | 30 | 18 | 62 | | 57 | 160 | | 60 | M16 | 10.7 |
| HG 630 HG-N 630 KNCS 630 KNCS-N 630 | GBK 630 | 0159105 | MT* | 1 | 30 | 18 | 45 | | 57 | 200 | | 60 | M16 | 10.5 |
| | STB-G 500-2 | 0160663 | 3/32" x 90° | 3 | 25.5 | | 45 | 68 | 88 | 161 | | | M20 | 16.2 |
| KNCS-NB 630 KNCS-NBX 630 | EWB-MT 630 | 0160795 | MT* | 2 | 40 | 24 | 75 | | 61 | 203 | | 82 | M20 | 18.5 |

* MT = Metrischer Kreuzversatz
13) 1/2 Zahnversatz

* MT = Metric tongue and groove
13) 1/2 Tooth pitch

 Passende Backenbefestigungsschrauben finden Sie im Katalogteil „Zubehör“.

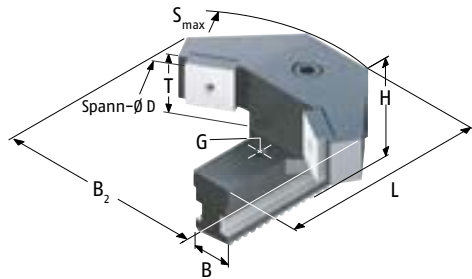
 For suitable jaw mounting spare screws see catalog chapter "Accessories".

SMW-AUTOBLOK

Pendelbacken | *Pendulum Jaws*

Gerade Verzahnung

- Standardisierte Pendelbacken zum Spannen dünnwandiger und verformungsgefährdeter Werkstücke



Straight serration

- Standardized pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation.

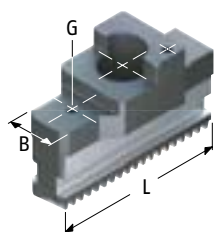
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| KNCS 200 | 47 - 85 | 224 | PNK-G 200-2 | 0190659 | PT-S 200-1 | 0191535 | PB 200-1 | 0192126 |
| | 78 - 112 | 233 | PNK-G 200-6 | 0190663 | PT-S 200-2 | 0191536 | PB 200-3 | 0192128 |
| | 108 - 142 | 233 | PNK-G 200-8 | 0190665 | PT-S 200-2 | 0191536 | PB 200-4 | 0192129 |
| HG-N 210 | 46 - 86 | 225 | PNK-G 200-2 | 0190659 | PT-S 200-1 | 0191535 | PB 200-1 | 0192126 |
| | 78 - 115 | 237 | PNK-G 200-6 | 0190663 | PT-S 200-2 | 0191536 | PB 200-3 | 0192128 |
| | 108 - 145 | 237 | PNK-G 200-8 | 0190665 | PT-S 200-2 | 0191536 | PB 200-4 | 0192129 |
| KNCS-N 210 | 49 - 86 | 225 | PNK-G 200-2 | 0190659 | PT-S 200-1 | 0191535 | PB 200-1 | 0192126 |
| | 78 - 139 | 264 | PNK-G 200-6 | 0190663 | PT-S 200-2 | 0191536 | PB 200-3 | 0192128 |
| | 108 - 169 | 264 | PNK-G 200-8 | 0190665 | PT-S 200-2 | 0191536 | PB 200-4 | 0192129 |
| KNCS 250 | 45 - 91 | 274 | PNK-G 250-2 | 0190601 | PT-S 250-1 | 0191520 | PB 250-1 | 0192100 |
| | 89 - 105 | 278 | PNK-G 250-6 | 0190605 | PT-S 250-1 | 0191520 | PB 250-3 | 0192102 |
| | 112 - 165 | 288 | PNK-G 250-8 | 0190607 | PT-S 250-2 | 0191521 | PB 250-4 | 0192103 |
| HG-N 260 | 45 - 91 | 274 | PNK-G 250-2 | 0190601 | PT-S 250-1 | 0191520 | PB 250-1 | 0192100 |
| | 89 - 106 | 280 | PNK-G 250-6 | 0190605 | PT-S 250-1 | 0191520 | PB 250-3 | 0192102 |
| | 104 - 167 | 290 | PNK-G 250-8 | 0190607 | PT-S 250-2 | 0191521 | PB 250-4 | 0192103 |
| KNCS-N 260 | 45 - 91 | 274 | PNK-G 250-2 | 0190601 | PT-S 250-1 | 0191520 | PB 250-1 | 0192100 |
| | 98 - 104 | 277 | PNK-G 250-6 | 0190605 | PT-S 250-1 | 0191520 | PB 250-3 | 0192102 |
| | 110 - 164 | 287 | PNK-G 250-8 | 0190607 | PT-S 250-2 | 0191521 | PB 250-4 | 0192103 |
| HG-N 315 | 78 - 112 | 301 | PNK-G 315-2 | 0190611 | PT-S 315-1 | 0191522 | PB 315-1 | 0192105 |
| | 99 - 163 | 344 | PNK-G 315-4 | 0190613 | PT-S 315-1 | 0191522 | PB 315-2 | 0192106 |
| | 147 - 215 | 339 | PNK-G 315-6 | 0190615 | PT-S 315-2 | 0191523 | PB 315-3 | 0192107 |
| KNCS 315-77 | 76 - 112 | 301 | PNK-G 315-2 | 0190611 | PT-S 315-1 | 0191522 | PB 315-1 | 0192105 |
| | 99 - 160 | 340 | PNK-G 315-4 | 0190613 | PT-S 315-1 | 0191522 | PB 315-2 | 0192106 |
| | 145 - 215 | 339 | PNK-G 315-6 | 0190615 | PT-S 315-2 | 0191523 | PB 315-3 | 0192107 |
| | 157 - 221 | 341 | PNK-G 315-8 | 0190617 | PT-S 315-2 | 0191523 | PB 315-4 | 0192108 |



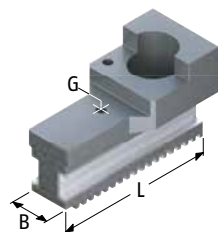
Passende harte und weiche Spanneinsätze finden Sie im Katalogteil „Zubehör“.



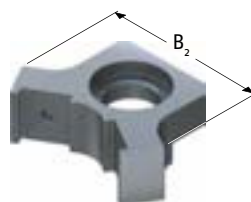
For suitable hard and soft clamping inserts see catalog chapter "Accessories".



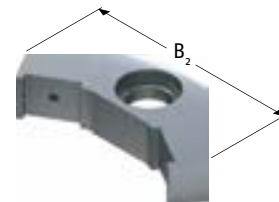
PT-FR / PT-S ...-1



PT-FR / PT-S ...-2 - 4



PB ...-1



PB ...-2 - 5

| Spanneinsatz Clamping insert | ID | Spanneinsatz Clamping insert | ID | B | B2 | H [mm] | L [mm] | T [mm] | G | m/Stück m/piece [kg] |
|---------------------------------|---------|---------------------------------|---------|----|-----|-----------|-----------|-----------|----|----------------------------|
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.2 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.6 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 1.8 |
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.2 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.6 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 1.8 |
| SP 200-1 | 0194140 | SP 200-2 | 0194141 | 22 | 80 | 76 | 82 | 36 | M6 | 1.2 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 102 | 76 | 85 | 36 | M6 | 1.6 |
| SP 200-5 | 0194144 | SP 200-6 | 0194145 | 22 | 130 | 76 | 85 | 36 | M6 | 1.8 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 1.8 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.2 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.4 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 1.8 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.2 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.4 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 85 | 83 | 98.5 | 40 | M6 | 1.8 |
| SP 250-1 | 0194100 | SP 250-2 | 0194101 | 26 | 103 | 83 | 98.5 | 40 | M6 | 2.2 |
| SP 250-3 | 0194102 | SP 250-4 | 0194103 | 26 | 131 | 83 | 104 | 40 | M6 | 2.4 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 95 | 88 | 115 | 40 | M6 | 2.6 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 130 | 88 | 115 | 40 | M6 | 2.8 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 152 | 88 | 118.5 | 40 | M6 | 3.1 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 95 | 88 | 115 | 40 | M6 | 2.6 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 130 | 88 | 115 | 40 | M6 | 2.8 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 152 | 88 | 118.5 | 40 | M6 | 3.1 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 180 | 88 | 118.5 | 40 | M6 | 4 |

SMW-AUTOBLOK

Pendelbacken | *Pendulum Jaws*

Gerade Verzahnung

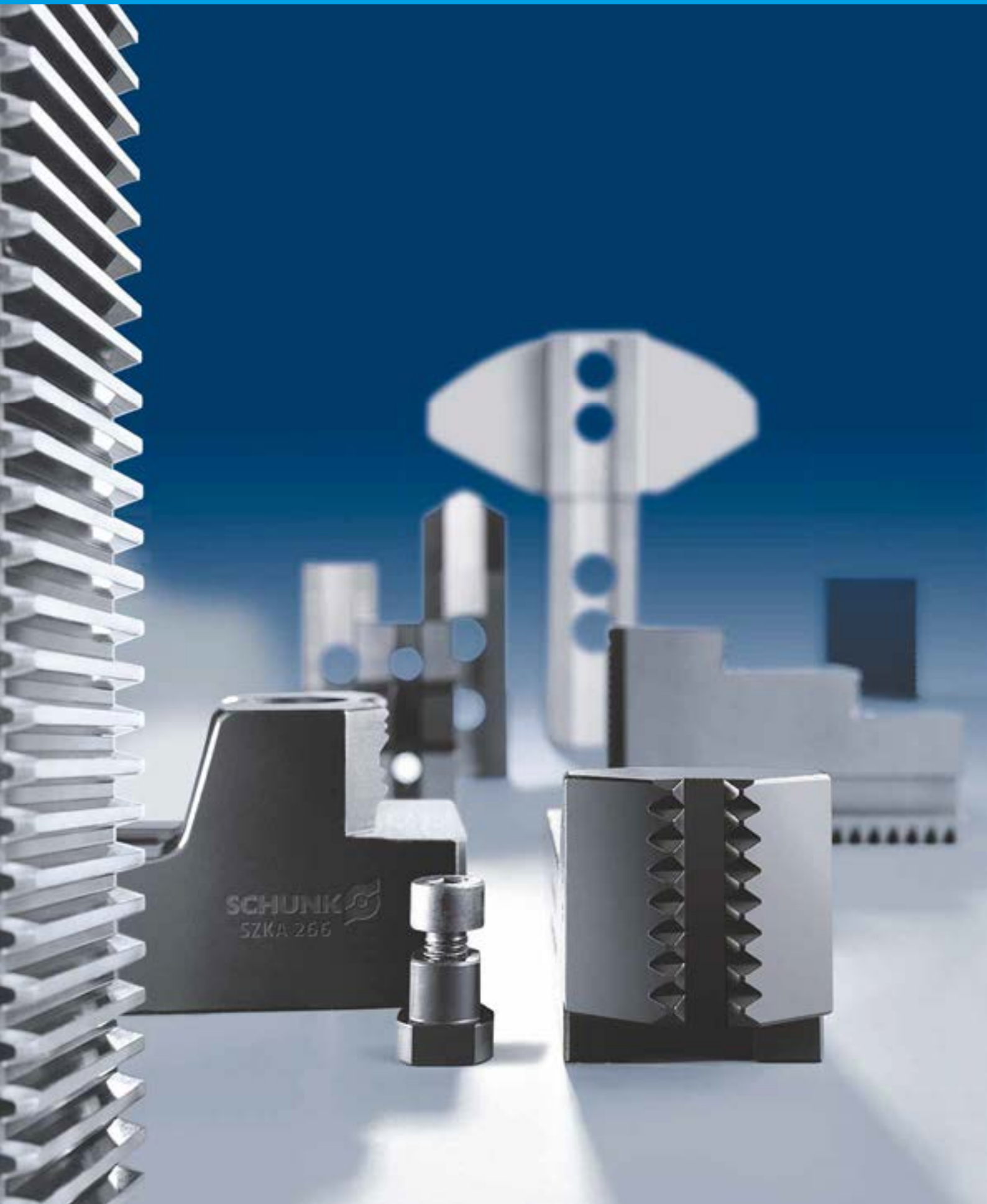
| Futtertype <i>Chuck type</i> | Spannbereich <i>Clamping range</i> [mm] | Schwingkreis <i>Swing diameter</i> [mm] | SCHUNK-Type <i>komplett</i> <i>complete</i> | ID <i>komplett</i> <i>complete</i> | Trägerbacke <i>Support jaw</i> | ID | Pendelbrücke <i>Pendulum body</i> | ID |
|---------------------------------|---|---|---|--|-----------------------------------|---------|--------------------------------------|---------|
| KNCS-N 315 | 74 - 112 | 301 | PNK-G 315-2 | 0190611 | PT-S 315-1 | 0191522 | PB 315-1 | 0192105 |
| | 99 - 170 | 352 | PNK-G 315-4 | 0190613 | PT-S 315-1 | 0191522 | PB 315-2 | 0192106 |
| | 144 - 215 | 339 | PNK-G 315-6 | 0190615 | PT-S 315-2 | 0191523 | PB 315-3 | 0192107 |
| | 161 - 245 | 364 | PNK-G 315-8 | 0190617 | PT-S 315-2 | 0191523 | PB 315-4 | 0192108 |

Bei Kraftspannfuttern können Spannlücken entstehen. Um diese Spannlücken zu überbrücken sind im Lieferumfang 2 verschiedene Spanneinsätze enthalten.

Straight serration

If pendulum jaws are used on power lathe chucks, gaps may occur. For covering these gaps, we are supplying 2 different clamping inserts, which belong to the scope of delivery.

| Spanneinsatz <i>Clamping insert</i> | ID | Spanneinsatz <i>Clamping insert</i> | ID | B | B2 | H [mm] | L [mm] | T [mm] | G | m/Stück <i>m/piece</i> [kg] |
|--|---------|--|---------|----|-----|-----------|-----------|-----------|----|-----------------------------------|
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 95 | 88 | 115 | 40 | M6 | 2.6 |
| SP 315-1 | 0194104 | SP 315-2 | 0194105 | 32 | 130 | 88 | 115 | 40 | M6 | 2.8 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 152 | 88 | 118.5 | 40 | M6 | 3.1 |
| SP 315-3 | 0194106 | SP 315-4 | 0194107 | 32 | 180 | 88 | 118.5 | 40 | M6 | 4 |



SCHUNK
SZKA 266

Zubehör

Accessories

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| Ausdrehringe | 705 |
| Backen-Ausdrehvorrichtung | 706 |
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| Fettpresse und Spezialfett | 709 |

| Accessories | Page |
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| <i>Jaw turning fixture</i> | 706 |
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| <i>Grease gun and special grease</i> | 709 |

Zubehör | Accessories

Backenbefestigungsschrauben | Jaw fastening screws

Type F, M

Für Grundbacken, Güte 12.9



Type F, M

For base jaws, quality 12.9

F

Feingewinde

Fine metric thread

| Bezeichnung Description | ID | d | L [mm] | Für For |
|----------------------------|---------|---------|-----------|---|
| F 82 | 0158100 | M8x1 | 20 | SFG 160 /SFGK 160 /SFG-V 160 /GB 160 /SFG 200 /SFGK 200 /SFGL 200/SFG-V 200 /GB 200 |
| F 1230 | 0158101 | M12x1,5 | 30 | SFG 250 /SFGK 250 /SFGL 250 /SFG-V 250 /GB 250 |
| F 1235 | 0158102 | M12x1,5 | 35 | SFG 315 /SFGL 315 /SFG-V 315 /GB 400 |
| F 1640 | 0158103 | M16x1.5 | 40 | SFG 400 /SFG 630-400 /SFGL 400 |

M

Regelgewinde

Normal metric thread

| Bezeichnung Description | ID | d | L [mm] | Für For |
|----------------------------|---------|-----|-----------|---|
| M 82 | 9660026 | M8 | 20 | GBK 140 /GBK 160 /GBK 200 /GBKL 200 /GBKL 200 /GBK-V 160 /GBK-V 200 |
| M 83 | 9660027 | M8 | 22 | EBW-MT 210 |
| M 1230 | 9660045 | M12 | 30 | GBK 250 /GBKL 250 /GBK-V 250 /GBK 315 / GBKL 315 /GBK-V 315 /EWB-MT 265 |
| M 1235 | 9660046 | M12 | 35 | GBK 400 /EWB-MT 315 |
| M 1640 | 9660085 | M16 | 40 | GBK 500 /EWB-MT 400 /EWB-MT 500 |
| M 1650 | 9660205 | M16 | 50 | GBK 630 |
| M 2040 | 9660057 | M20 | 40 | EBW-MT 630 |
| M 2050 | 9660086 | M20 | 50 | SFG 630 |

Mindestabnahme: 30 Stück

Minimum order quantity: 30 pieces

Zubehör | Accessories

Weiche Auflagebolzen | Soft Workpiece Stops

Type AB

Für Krallen- und Pendelbacken zur Veränderung der Spanntiefe



Type AB

For claw jaws and pendulum jaws to adjust the clamping depth

AB-M5

| Bezeichnung Description | ID | h [mm] | Schlüsselweite Wrench size | d | Material Material |
|----------------------------|---------|-----------|-------------------------------|----|----------------------|
| AB 55 | 0122171 | 5 | 8 | M5 | C45 |
| AB 105 | 0122172 | 10 | 8 | M5 | C45 |
| AB 155 | 0122173 | 15 | 8 | M5 | C45 |

AB-M6

| Bezeichnung Description | ID | h [mm] | Schlüsselweite Wrench size | d | Material Material |
|----------------------------|---------|-----------|-------------------------------|----|----------------------|
| AB 56 | 0122160 | 5 | 10 | M6 | C45 |
| AB 106 | 0122162 | 10 | 10 | M6 | C45 |
| AB 156 | 0122164 | 15 | 10 | M6 | C45 |
| AB 206 | 0122166 | 20 | 10 | M6 | C45 |
| AB 256 | 0122169 | 25 | 10 | M6 | C45 |

AB-M8

| Bezeichnung Description | ID | h [mm] | Schlüsselweite Wrench size | d | Material Material |
|----------------------------|---------|-----------|-------------------------------|----|----------------------|
| AB 58 | 0122161 | 5 | 14 | M8 | C45 |
| AB 108 | 0122163 | 10 | 14 | M8 | C45 |
| AB 158 | 0122165 | 15 | 14 | M8 | C45 |
| AB 208 | 0122167 | 20 | 14 | M8 | C45 |
| AB 258 | 0122168 | 25 | 14 | M8 | C45 |
| AB 308 | 0122170 | 30 | 14 | M8 | C45 |

- Auflagebolzen können bei Bedarf auf gewünschte Höhe abgearbeitet werden
- Auflagebolzen können auch für werkstückspezifische Sonderbacken verwendet werden
- Kuppe kann induktiv gehärtet werden

- If needed, the height of the workpiece stops can be modified to customer's requirements
- Workpiece stops can also be used for workpiece adapted specialized jaws
- Head can be flame hardened

Zubehör | Accessories

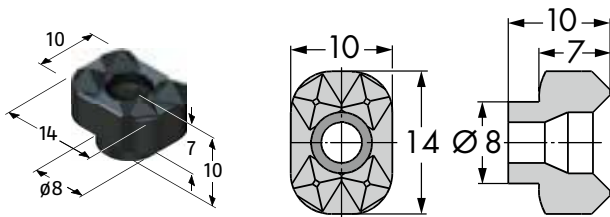
Spanneinsätze UGE | Clamping Inserts UGE

Type UGE

Vorteile:

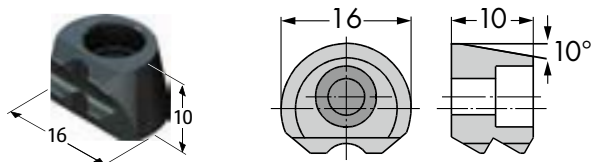
- Krallenbacken mit auswechselbaren Spanneinsätzen aus SCHUNK-Backenrohlingen herstellbar
- Kostenreduzierung durch einfaches Auswechseln der verschlissenen Einsätze
- Sicheres Spannen von Rohlingen/Schmiedeteilen/Werkstücken aus hochfesten Werkstoffen
- Übertragung von hohen Drehmomenten für schwere Schnitte

UGE 10

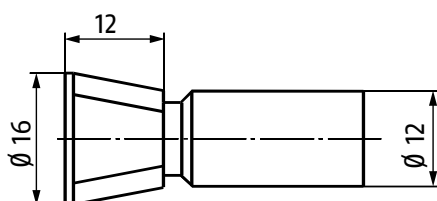


- Für flache und runde Spannflächen
- Für Außen- und Innenspannung
- Auflage rund oder eben
- Befestigung von vorne
- Spanneinsatz-Sitz: Nut (rund oder flach) und Gewinde leicht herstellbar
- Härten der Backen erforderlich

UGE 20



- Für den Einbau benötigen Sie den Winkelstirnfräser, Ident-Nr. 0100015
- Befestigung von oben
- Für Außen- und Innenspannung
- Niederzug durch Keilform
- Spanneinsatz-Sitz: Einfräsung und Gewinde mit Winkelstirnfräser leicht herstellbar
- Kein Härten des Backenrohlingen erforderlich



Type UGE

Advantages:

- Claw jaws with exchangeable clamping inserts made from SCHUNK jaw blanks
- Cost reduction through simple exchange of worn out inserts
- Safe clamping of blanks/forged components/cast parts/workpieces made of high tensile materials
- For transferring high torque for heavy cutting

UGE 10

| Bezeichnung Description | ID | Material Material |
|----------------------------|---------|----------------------|
| UGE 10 | 0100000 | Hartmetall Carbide |

Lieferumfang: Spanneinsatz mit Torx-Profil-schraube M4x13.5, Einbauanleitung

Scope of delivery: Clamping insert with Torx screw M4x13.5, installation manual

- For flat and round clamping surfaces
- For O.D.- and I.D.-clamping
- Support round or flat
- Fastening from the front
- Seat of the clamping insert: Groove (round or flat) and thread easily producible
- The jaws have to be hardened

UGE 20

| Bezeichnung Description | ID | Material Material |
|----------------------------|---------|------------------------------|
| UGE 20 | 0100013 | Feinguss Precision casting |
| UGE 20 | 0100019 | Hartmetall Carbide |

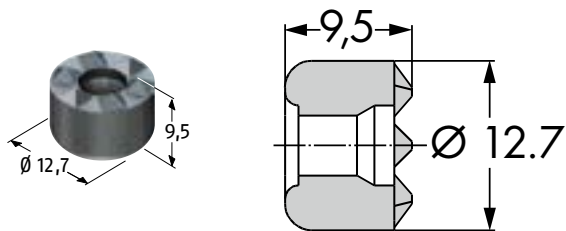
Lieferumfang: Spanneinsatz mit Zylinder-schraube M4x12 DIN 912, Einbauanleitung

Scope of delivery: Clamping insert with screw M4x12 DIN 912, installation manual

- For installation you will need a dovetail cutter, Id.-No. 0100015
- Fastening from the top
- For O.D.- and I.D.-clamping
- Full-down effect due to wedge-shape
- Seat of the clamping insert: Milled and thread with dovetail cutter which is easily producible
- Hardening of the jaw blanks is not necessary

UGE 30

Der Spanneinsatz für Prismenbacken und Schraubstöcke



- Für Außen- und Innenspannung von kubischen Teilen
- Für Drehbacken, Schraubstockbacken, Vorrichtungen
- Befestigung von vorne
- Spanneinsatz-Sitz: Bohrung und Gewinde einfach herstellbar
- Härten der Backen bei Dauereinsatz wird empfohlen
- Wirtschaftliche Lösung – aus SCHUNK weichen Aufsatzbacken und Rohlingen werden vollwertige harte Spannbacken
- Auf Wunsch auch in SCHUNK-Sonderbacken nach unserer oder Ihrer Konstruktion einsetzbar
- Kostenreduzierung durch einfaches Auswechseln der verschlissenen Einsätze

UGE 30

Clamping insert for prism jaws and vices

| Bezeichnung Description | ID | Material Material |
|----------------------------|---------|----------------------|
| UGE 30 | 0100018 | Hartmetall Carbide |

Lieferumfang:

Spanneinsatz mit Torx-Profil-
schraube M4x13.5, Einbauan-
leitung

Scope of delivery:

Clamping insert with Torx
screw M4x13.5, installation
manual

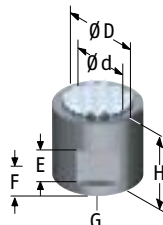
- For O.D.- and I.D.-clamping of cubic components
- For turning jaws, vice jaws and devices
- Fastening from the front
- Seat of the clamping insert: Bore and easily producible.
- We recommend to harden the jaws for permanent applications
- Economical solution – SCHUNK soft top jaws and jaw blanks become genuine hard clamping jaws
- May be used with SCHUNK jaws in special design according to our or your drawing if desired
- Cost reduction through simple exchange of worn out inserts

Zubehör | Accessories

Spanneinsätze | Clamping Inserts

Type HM

- Hartmetall eingelötet
- Für Außenspannung
- Befestigung von hinten
- Sitz für Spanneinsatz einfach herstellbar



Type HM

- Carbide soldered
- For O.D.-Clamping
- Mounting from the rear
- Seat of clamping insert easily producible

HM 6-14

Runde Ausführung

Round version

| Bezeichnung Description | ID | H [mm] | G | D [mm] | d [mm] | E [mm] | max. Belastungskraft* max. loading force* [kN] |
|----------------------------|---------|-----------|----|-----------|-----------|-----------|--|
| HM 6 | 0184106 | 10 | M3 | 6 | 5 | | 4.5 |
| HM 8 | 0184107 | 10 | M4 | 8 | 6 | 5 | 6 |
| HM 10 | 0184100 | 10 | M5 | 10 | 8 | 5 | 8 |
| HM 11 | 0184101 | 9.5 | M5 | 12.7 | 9.5 | 5 | 11 |
| HM 12 | 0184102 | 12.7 | M6 | 12.7 | 9.5 | 5 | 11 |
| HM 13 | 0184103 | 9.5 | M6 | 15.8 | 13 | 5 | 20 |
| HM 14 | 0184104 | 9.5 | M6 | 19 | 16 | 5 | 30 |

* Werte gültig, wenn alle Spitzen im Eingriff sind

* Data only apply when all the tips are gripping

HM 15

Quadratische Ausführung, ohne Abbildung

Square version, without illustration

| Bezeichnung Description | ID | H [mm] | G | D [mm] | max. Belastungskraft* max. loading force* [kN] |
|----------------------------|---------|-----------|----|-----------|--|
| HM 15 | 0184105 | 9.5 | M6 | 12.7x12.7 | 20 |

* Werte gültig, wenn alle Spitzen im Eingriff sind

* Data only apply when all the tips are gripping

- Wirtschaftliche Lösung – aus SCHUNK weichen Aufsatzbacken und Rohlingen werden vollwertige harte Spannbacken
- Auf Wunsch auch in SCHUNK-Sonderbacken nach unserer oder Ihrer Konstruktion einsetzbar
- Kostenreduzierung durch einfaches Auswechseln der verschlissenen Einsätze

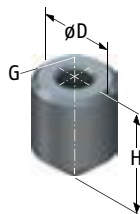
- Economical solution – SCHUNK soft top jaws and jaw blanks become genuine hard clamping jaws
- May be used with SCHUNK jaws in special design according to our or your drawing if desired
- Cost reduction through simple exchange of worn out inserts

Zubehör | Accessories

Harte Spannsitzen | Hard Clamping Tips

Type HS

- Für Außen- und Innenspannung
- Befestigung von hinten
- Sitz für Spanneinsatz einfach herstellbar



Type HS

- For O.D.- and I.D.-clamping
- Mounting from the rear
- Seat of clamping insert easily producible

HS

| Bezeichnung Description | ID | H [mm] | G | D [mm] | max. Belastungskraft max. loading force [kN] | Material Material |
|----------------------------|---------|-----------|----|-----------|--|----------------------|
| HS 6 | 0184110 | 10 | M3 | 6 | 10 | HSS |
| HS 8 | 0184114 | 12 | M4 | 8 | 10 | HSS |
| HS 10 | 0184111 | 14 | M5 | 10 | 10 | HSS |
| HS 12 | 0184112 | 16 | M6 | 12 | 10 | HSS |
| HS 13 | 0184113 | 16 | M6 | 12.7 | 10 | HSS |

- Höheres Mitnahmemoment
- Größere Eindringtiefe, durchdringt besser die harte Guss-haut bei Gusswerkstücken bzw. die verdichtete Oberfläche von Schmiedeteilen
- Zur Spannung von hochfesten Werkstoffen
- Wirtschaftliche Lösung – aus SCHUNK weichen Aufsatzbacken und Rohlingen werden vollwertige harte Spannbacken
- Auf Wunsch auch in SCHUNK-Sonderbacken nach unserer oder Ihrer Konstruktion einsetzbar
- Kostenreduzierung durch einfaches Auswechseln der ver-schlissenen Einsätze

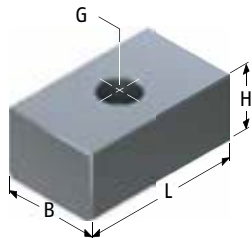
- Higher torque
- Penetrates deeper into the hard mill skin of the cast work-piece or the compressed surface of forged parts
- For clamping of high tensile materials
- Economical solution – SCHUNK soft top jaws and jaw blanks become genuine hard clamping jaws
- May be used with SCHUNK jaws in special design according to our or your drawing if desired
- Cost reduction through simple exchange of worn out inserts

Zubehör | Accessories

Spanneinsätze | Clamping Inserts

Type SW

- Weiche Spanneinsätze für Pendelbacken
- Zum Ausdrehen eines Spanndurchmessers
- Werkstoff 16MnCr5
- Das Ausdrehset wird mitgeliefert



Type SW

- Soft clamping inserts for pendulum jaws
- For machining clamping diameters
- Material 16MnCr15
- A boring kit will be supplied free of charge

SW

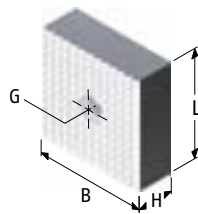
| Bezeichnung Description | ID | B [mm] | H [mm] | L [mm] | G | Pendelbrücke Typ Pendulum body type |
|----------------------------|---------|-----------|-----------|-----------|----|--|
| SW 200-1 | 0194146 | 16 | 15 | 25.5 | M6 | PB200-1 |
| SW 200-2 | 0194147 | 20 | 15 | 25.5 | M6 | PB200-2 |
| SW 200-3 | 0194148 | 25 | 15 | 25.5 | M6 | PB200-3/4 |
| SW 250-1 | 0194116 | 18 | 13 | 29.5 | M6 | PB250-1/2/3 |
| SW 250-2 | 0194117 | 30 | 15 | 29.5 | M6 | PB250-4/5 |
| SW 315-1 | 0194118 | 25 | 13 | 29.5 | M6 | PB315-1/2 |
| SW 315-2 | 0194119 | 35 | 15 | 29.5 | M6 | PB315-3/4/5 |
| SW 400-1 | 0194120 | 30 | 17 | 34.5 | M8 | PB400-1 |
| SW 400-2 | 0194121 | 40 | 19 | 34.5 | M8 | PB400-2/3/4 PB500-4 |
| SW 500-1 | 0194122 | 60 | 20 | 34.5 | M8 | PB500-5 PB630-5 |
| SW 630-1 | 0194123 | 70 | 22 | 34.5 | M8 | PB630-6 |

Zubehör | Accessories

Spanneinsätze | Clamping Inserts

Type SP

• Harte Spanneinsätze für Pendelbacken



Type SP

• Hard clamping inserts for pendulum jaws

SP

| Bezeichnung Description | ID | B [mm] | H [mm] | L [mm] | G | Pendelbrücke Typ Pendulum body type |
|----------------------------|---------|-----------|-----------|-----------|----|--|
| SP 200-1 | 0194140 | 16 | 10 | 25.5 | M6 | PB200-1 |
| SP 200-2 | 0194141 | 16 | 13 | 25.5 | M6 | PB200-1 |
| SP 200-3 | 0194142 | 20 | 10 | 25.5 | M6 | PB200-2 |
| SP 200-4 | 0194143 | 20 | 13 | 25.5 | M6 | PB200-2 |
| SP 200-5 | 0194144 | 25 | 10 | 25.5 | M6 | PB200-3/4 |
| SP 200-6 | 0194145 | 25 | 13 | 25.5 | M6 | PB200-3/4 |
| SP 250-1 | 0194100 | 18 | 13 | 29.5 | M6 | PB250-1/2/3 |
| SP 250-2 | 0194101 | 18 | 10 | 29.5 | M6 | PB250-1/2/3 |
| SP 250-3 | 0194102 | 30 | 15 | 29.5 | M6 | PB250-4/5 |
| SP 250-4 | 0194103 | 30 | 12 | 29.5 | M6 | PB250-4/5 |
| SP 315-1 | 0194104 | 25 | 13 | 29.5 | M6 | PB315-1/2 |
| SP 315-2 | 0194105 | 25 | 10 | 29.5 | M6 | PB315-1/2 |
| SP 315-3 | 0194106 | 35 | 15 | 29.5 | M6 | PB315-3/4/5 |
| SP 315-4 | 0194107 | 35 | 12 | 29.5 | M6 | PB315-3/4/5 |
| SP 400-1 | 0194108 | 30 | 17 | 34.5 | M8 | PB400-1 |
| SP 400-2 | 0194109 | 30 | 12 | 34.5 | M8 | PB400-1 |
| SP 400-3 | 0194110 | 40 | 19 | 34.5 | M8 | PB400-2/3/4 PB500-4 |
| SP 400-4 | 0194111 | 40 | 14 | 34.5 | M8 | PB400-2/3/4 PB500-4 |
| SP 500-1 | 0194112 | 60 | 14 | 34.5 | M8 | PB500-5 PB630-5 |
| SP 500-2 | 0194113 | 60 | 14 | 34.5 | M8 | PB500-5 PB630-5 |

Zubehör | Accessories

HSS-Spanneinsätze | HSS-Clamping Inserts

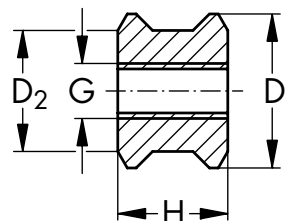
Type RHS

- Zur schnellen und kostengünstigen Herstellung von Krallenbacken



Type RHS

- For fast and cost-efficient manufacturing of claw jaws



RHS

| Bezeichnung Description | ID | H [mm] | G | D1 [mm] | D2 [mm] |
|----------------------------|---------|-----------|----|------------|------------|
| RHS-1 | 0184120 | 10 | M5 | 14 (-0,03) | 11 |

- Geeignet für mittelstarke Zerspanung
- Idealweise sollte die Trägerbacken gehärtet sein, um ein Abkippen der Spanneinsätze zu verhindern
- Die Einbauanleitung erhalten Sie mit der Lieferung

Vorteile:

- Optimale Werkstückzentrierung durch runde Einsätze
- Wirtschaftliche Nutzung – bei einseitigem Verschleiß können die Einsätze gewendet bzw. verdreht werden
- Sichere Spannung bei kurzen Spanntiefen
- Wirtschaftliche Lösung – aus SCHUNK weichen Aufsatzbacken und Rohlingen werden vollwertige harte Spannbacken
- Auf Wunsch auch in SCHUNK-Sonderbacken nach unserer oder Ihrer Konstruktion einsetzbar
- Kostenreduzierung durch einfaches Auswechseln der verschlissenen Einsätze

- Suitable for medium duty metal cutting
- Ideally the support jaws should be hardened in order to avoid tilting of the clamping insert
- Every shipment includes an installation manual

Advantages:

- Optimum workpiece centering due to the use of round inserts
- Cost-efficient – in case of one-sided wear the inserts can be turned or twisted
- Safe clamping at short clamping depths
- Economical solution – SCHUNK soft top jaws and jaw blanks become genuine hard clamping jaws
- May be used with SCHUNK jaws in special design according to our or your drawing if desired
- Cost reduction through simple exchange of worn out inserts

Zubehör | Accessories

Ausdrehringe | Jaw Turning Rings

Type ADR

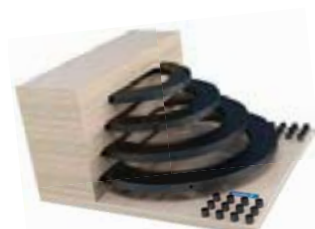
- Für Hand- und Kraftspannfutter, sortiert im praktischen Set
- Einfach zu handhaben und vielseitig einsetzbar auf 2-, 3- und 6-Backenfuttern



ID 0189800



ID 0189500



ID 0189600

Type ADR

- For manual and power chucks, assorted in a practical set
- Easy to handle for multi-purpose use in 2-, 3- and 6-Jaw Chucks

ADR

| Bezeichnung Description | ID | Spannbereich Dimensions [mm] |
|----------------------------|---------|------------------------------------|
| ADR-C | 0189800 | 30 - 160 |
| ADR-C | 0189500 | 30 - 248 |
| ADR-S | 0189600 | 250 - 520 |

Erweiterungssets für ADR-C, ID 0189800

| Bezeichnung Description | ID | Spannbereich Dimensions [mm] |
|--|---------|------------------------------------|
| Set Spannbolzen ADR-C Set of clamping pins ADR-C* | 0122175 | |
| Ausdrehring Ø 164 Jaw turning ring Ø 164 | 6100005 | 162 - 204** |
| Ausdrehring Ø 208 Jaw turning ring Ø 208 | 6100006 | 206 - 248** |

* Set bestehend aus 7 x 3 Bolzen

** Spannbereich in Verbindung mit Spannbolzen

- Zum Ausdrehen aller weichen oder hochvergüteten Backen auf Hand- und Kraftspannfuttern
- Ausdrehringe und Spannbolzen werden so kombiniert, dass der gewünschte Spanndurchmesser erreicht wird
- Die Spannbolzen werden in das Gewinde der Ausdrehringe geschraubt und in das Drehfutter eingelegt

Expansion set for ADR-C, ID 0189800

* Set including 7 x 3 pins

** Clamping range including clamping pins

- For turning out all soft and heat-treated jaws on Manual Lathe Chucks and Power Lathe Chucks
- Jaw turning rings and clamping pins can be combined to reach the required clamping diameter
- The clamping pins have to be screwed into the thread of the jaw turning rings and then inserted into the lathe chuck

Zubehör | Accessories

Backen-Ausdrehvorrichtung | Jaw Turning Fixture

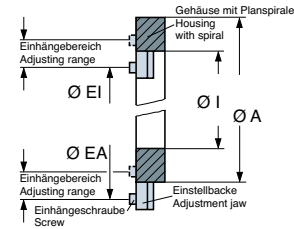
Type BAV

- Leichte Ausführung



Type BAV

- Light version



| Bezeichnung Description | ID | Außendurchmesser A O.D.-Diameter A [mm] | Innendurchmesser I I.D.-Diameter I [mm] | max. Spannkraft max. clamping force [kN] | Einhängebereich EA von-bis Adjusting range EA from-to [mm] | Einhängebereich EI von-bis Adjusting range EI from-to [mm] | m [kg] |
|----------------------------|---------|---|---|--|--|--|-----------|
| BAV 0 | 0119100 | 153 | 110 | 15 | 150 - 215 | 50 - 115 | 1.5 |
| BAV 1 | 0119101 | 176 | 110 | 30 | 170 - 260 | 35 - 125 | 3.3 |
| BAV 2 | 0119102 | 215 | 135 | 30 | 215 - 285 | 70 - 140 | 5.2 |
| BAV 3 | 0119103 | 244 | 162 | 30 | 240 - 315 | 100 - 175 | 5.6 |
| BAV 4 | 0119104 | 290 | 208 | 30 | 290 - 360 | 145 - 215 | 6.8 |

- Leichte Bauweise BAV für niedrige Spannkräfte bis 30 kN
- Zum Ausdrehen aller weichen oder hochvergüteten Backen auf Hand- und Kraftspannfuttern
- Einstellen des Einhängebereichs durch Planspirale bzw. Umdrehen der Verstelleischieber
- Überbrückung eines großen Spannbereichs
- Zum Ausschleifen gehärteter Backen auf Hand- und Kraftspannfuttern

- Light model BAV for low clamping forces up to 30 kN
- For turning out all soft and heat-treated jaws on Manual Lathe Chucks and Power Lathe Chucks
- Fixture diameter is adjusted through the use of a scroll
- Covers a large clamping range, adjusting slides are reversible
- For grinding hard jaws on Manual Chucks and Power Lathe Chucks

Zubehör | Accessories

Backen-Ausdrehvorrichtung | Jaw Turning Fixture

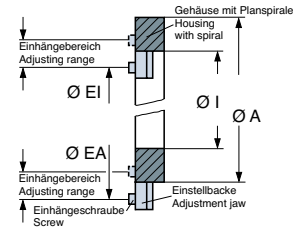
Type BSA

- Schwere Ausführung



Type BSA

- Heavy version

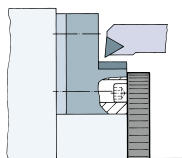


| Bezeichnung Description | ID | Außendurchmesser A O.D.-Diameter A [mm] | Innendurchmesser I I.D.-Diameter I [mm] | max. Spannkraft max. clamping force [kN] | Einhängebereich EA von-bis Adjusting range EA from-to [mm] | Einhängebereich EI von-bis Adjusting range EI from-to [mm] | m [kg] |
|----------------------------|---------|---|---|--|--|--|-----------|
| BSA 10 | 0119110 | 225 | 135 | 45 | 229 - 305 | 81 - 157 | 7 |
| BSA 20 | 0119111 | 288 | 184 | 60 | 292 - 368 | 128 - 204 | 11.5 |
| BSA 30 | 0119112 | 384 | 256 | 75 | 388 - 464 | 208 - 284 | 21 |

- Schwere Bauweise BSA für hohe Spannkraft bis 75 kN
- Zum Ausdrehen aller weichen oder hochvergüteten Backen auf Hand- und Kraftspannfuttern
- Zum Ausschleifen gehärteter Backen auf Hand- und Kraftspannfuttern
- Einsatz vorwiegend auf Kraftspannfuttern
- Einstellen des Einhängbereichs durch Planspirale
- Überbrückung eines großen Spannbereichs

- Heavy model BSA for high clamping forces up to 75 kN
- For turning out all soft and heat-treated jaws on Manual Lathe Chucks and Power Lathe Chucks
- For grinding hard jaws on Manual Chucks and Power Lathe Chucks
- To be used mostly on power-operated Lathe Chucks
- Fixture diameter is adjusted through the use of a scroll
- Covers a large clamping range, adjusting slides are reversible

Funktion der Backen-Ausdrehvorrichtung



Backen des Drehfutters auf den gewünschten Spanndurchmesser fahren (auf Drehzugabe achten).

Ausdrehvorrichtung mit den Schraubenköpfen auf den Verstellchiebern in die Senklöcher der Aufsatzbacken einführen.

Mitgelieferten Ballendrehgriff (nur BSA) in eine der Bohrungen der Planspirale stecken und durch Drehen nach links oder rechts Verstellchieber nach außen (beim Innen-Ausdrehen) bzw. nach innen (beim Außen-Überdrehen) bis zum Festsitzen fahren.

Futter spannen und Backen aus- bzw. überdrehen.

Vorrichtung um gewünschten Öffnungshub zurückzudrehen.

Function of the Jaw Turning Fixture

Preset jaws of the chuck to the desired clamping diameter (consider how much material will be removed during turning).

Insert the heads of the bolts which are located on the adjusting slides into the countersunk holes of the top jaws.

Insert enclosed metal pin into one of the holes of the scroll and adjust the adjusting slides either outward (for boring) or inward (for O.D. turning) by turning the scroll clockwise until it stops.

Clamp the chuck and bore out or O.D. turn the jaws.

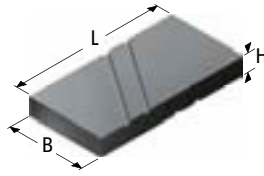
Device for turning back the desired opening stroke.

Zubehör | Accessories

Abricht- und Reinigungsplatte | Dress- and cleaning plate

Type SRP

- Beidseitig verzahnt



Type SRP

- Serrated on both sides



SPR

| Bezeichnung Description | ID | Verzahnung Seite 1 Serration first side | Verzahnung Seite 2 Serration second side | B [mm] | H [mm] | L [mm] | m [kg] |
|----------------------------|---------|--|---|-----------|-----------|-----------|-----------|
| SRP-1 | 0118100 | 1/16" x 90° | 1,5mm x 60° | 126 | 30 | 250 | 7 |
| SRP-2 | 0118101 | 1/16" x 90° | 3/32" x 90° | 126 | 30 | 250 | 7 |
| SRP-3 | 0118102 | 1,5mm x 60° | 3,0mm x 60° | 126 | 30 | 250 | 7 |

- Abricht- und Reinigungsplatte gehärtet mit beidseitig präzisionsgeschliffener Verzahnung
- Abgestimmt auf die Spitzverzahnung der Backe. In der Grundplatte laufen 2 Rillen, die die Reinigung erleichtern

Vorteile:

- Schnelle und sichere Reinigung der verschmutzten Verzahnung – In der Querrille lagert sich der Schmutz ab
- Schnelles Entgraten und Egalisieren beschädigter Stellen in der Verzahnung: Schleifpaste (Korn 320) auftragen, Spannbacken über der Schleifpaste einsetzen und gleichmäßig nach beiden Seiten bewegen
- Erhöhte Spanngenauigkeit der überarbeiteten Spannbacken
- Der normale Verschleiß der Spannbacken wird reduziert durch eine satte Verbindung zwischen Grund- und Aufsatzbacken
- Handliche Verpackung im Holzkasten

- Dress- and cleaning plates are hardened and precision ground on all sides, including the serration.
- The base plate has two diagonal slots which makes cleaning easier

Advantages:

- Fast and safe cleaning of dirty serration – dirt accumulates in the diagonal slot
- Quick deburring and leveling of damaged parts in the serration: apply grinding compound, insert jaws on top of it and move evenly to both sides
- Better clamping accuracy of the reworked jaws
- The regular amount of wear on the jaws is reduced by a new, firm connection between base and top jaws
- Handy packing in a wooden storage box



Bei gehärteten Spannbacken Schleifpaste (Korn 320) am äußeren Rand auftragen.
With hardened jaws apply grinding compound near the outer edge.



Spannbacke über der Schleifpaste aufsetzen, in die Verzahnung führen und hin und her bewegen.
Insert jaw on top of the grinding compound, guide it into the serration and move back and forth.



Spannbacke vor der Reinigung
Serration before cleaning



Spannbacke nach der Reinigung
Serration after cleaning

Zubehör | Accessories

Fettpresse und Spezialfett | Grease Gun and Special Grease

Type LINO MAX

- Für Kraft- und Handspannfutter

Fettpresse

- Für LINO MAX Kartusche



- 2 x Mundstücke für Schmiernippel
- 1 x Flexibler Schlauch

Spezialfett LINO MAX



- Besonders haftfest
- Extrem beständig gegen Auswaschen durch Wasser und Metallbearbeitungsemulsionen
- Notlaufeigenschaften durch Feststoffgleitfilm

Type LINO MAX

- For Power Chucks and Manual Chucks

Grease Gun

- For LINO MAX cartridge

| Bezeichnung Description | ID |
|----------------------------|---------|
| Fettpresse Grease Gun | 9900543 |

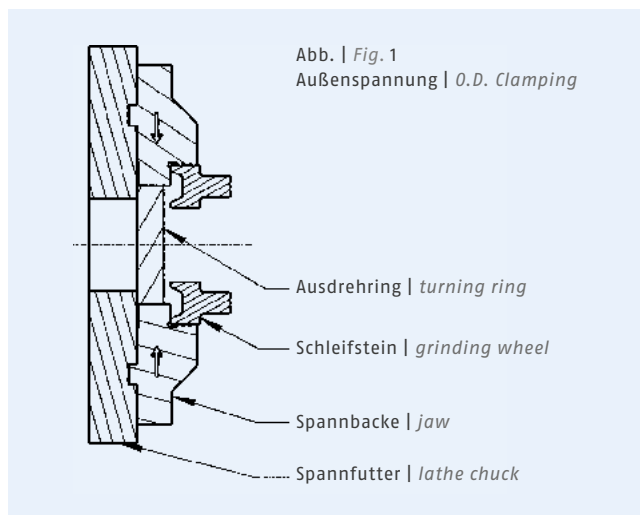
- 2x grease fitting adapters
- 1x flexible tube

Special Grease LINO MAX

| Bezeichnung Description | ID | m [g] |
|--|---------|----------|
| Dose Can | 0184211 | 1000 |
| Kartusche Cartridge | 0184210 | 500 |
| Karton Carton (20 Kartuschen 20 Cartridges) | 0184209 | 20x500 |

- Especially adhesive
- Extremely durable against water and coolant
- Emergency bearing capabilities through solid friction substance

Aufbau und Wirkungsweise Setup and function



Harte Aufsatzbacken sowie ungeteilte harte Stufenbacken müssen zur Erreichung einer hohen Rundlaufgenauigkeit auf dem Drehfutter ausgeschliffen und gekennzeichnet werden, auf dem sie anschließend für die Werkstückspannung verwendet werden.

Im Anlieferungszustand genügen sie für das Spannen roher Teile, bei denen die Verzahnung der Spannfläche nützlich ist, eine hohe Zentriergenauigkeit aber nicht benötigt wird. Für genaue Spannungen auf bereits bearbeiteten Flächen sind nachgelieferte Aufsatzbacken jedoch nicht ohne weiteres verwendbar.

Die toleranzbedingten Abmessungsunterschiede aller am Antrieb beteiligten Einzelteile führen durch ihre Summierung zu unterschiedlichen radialen Stellungen der drei Backen.

Diese Unterschiede sind größer als die zulässigen Rundlaufabweichungen nach DIN 6386 und können nur durch Ausschleifen auf dem Futter beseitigt werden, für das die Backen verwendet werden.

Durch Kennzeichnung der Backen mit 1, 2 und 3 muss außerdem sichergestellt werden, dass stets die gleiche Backe in die gleiche Führung bzw. auf die gleiche Grundbacke kommt.

Das Ausschleifen der Backen muss im betriebsmäßig aufgenommenen Drehfutter geschehen.

Zum Ausschleifen von Stufenblockbacken (STF, GST) oder harten Aufsatzbacken (SHB, SHF, SHB-J) für Außenspannung muss ein Ausdrehring möglichst dicht neben der zu schleifenden Fläche eingespannt sein (Abb. 1).

To achieve a high runout, hard top jaws and one-piece hard stepped jaws must be ground and marked on the lathe chuck on which they will later be used for workpiece clamping.

In the delivery condition, they are sufficient for the clamping of blank components, for which the serration of the clamping surface is useful, but which do not require high centering accuracy. However, top jaws delivered at a later date can not immediately be used for precision clamping on pre-machined surfaces.

The accumulation of dimensional differences caused by tolerance on all individual parts involved in the drive result in different radial positions of the three jaws.

These differences exceed the runout variances admissible according to DIN 6386 and can only be eliminated by grinding on the chuck for which the jaws are used.

It is furthermore necessary to number the jaws (1, 2 and 3) to ensure that the same jaw is always assigned to the same guide and the same base jaw.

The jaws must be ground in a lathe chuck mounted under normal service conditions.

In order to grind stepped block jaws (STF, GST) or hard top jaws (SHB, SHF, SHB-J) for O.D.-clamping, a turning ring must be clamped as closely as possible next to the surface to be ground (Fig. 1).

The grinding takes place under clamping pressure. When

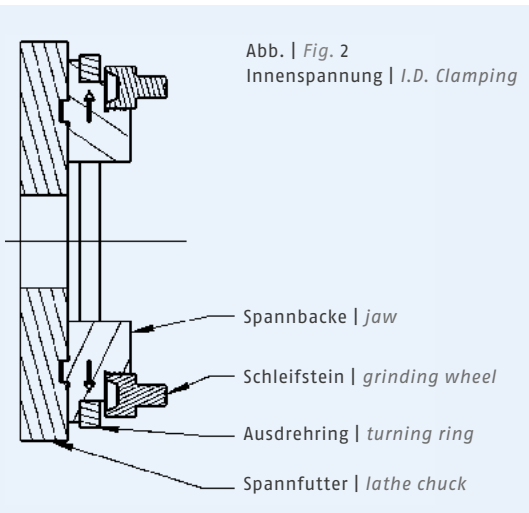


Abb. | Fig. 2
Innenspannung | I.D. Clamping



Das Ausschleifen erfolgt unter Spanndruck. Beim Schleifen von Spannflächen für Innenspannung muss über die Stufen der Backen ein entsprechend dimensionierter Ring geschoben und mit gleicher Kraft wie bei der eigentlichen Arbeit gespannt werden (Abb. 2).

Dasselbe gilt auch für das Ausdrehen von weichen Aufsatzbacken bzw. Monoblockbacken (SMB, UVB) oder Hartdrehen von gehärteten Aufsatzbacken, um einen bestimmten Spanndurchmesser zu erhalten.

ACHTUNG! Ausschleifen/Ausdrehen der Aufsatzbacken immer unter Spanndruck!

grinding clamping surfaces for I.D. – clamping, a suitably dimensioned ring must be pushed over the steps of the jaws and clamping must be carried out with the same force as during the actual work (Fig. 2).

The same applies when boring out soft top jaws or monoblock jaws (SMB, UVB), and when machining hardened top jaws to achieve a certain clamping diameter.

IMPORTANT! Always apply clamping pressure when grinding/boring out top jaws!

Sicherheits-Hinweise für Aufsatzbacken:



- Bei selbstgefertigten Aufsatzbacken auf einwandfreie Teilung der Verzahnung achten
- Prüfen, ob kein Härteverzug aufgetreten ist
- Festigkeit von selbstgefertigten Aufsatzbacken unter Verwendung der Spannkraft nachrechnen
- Bei hohen Drehzahlen weiche Aufsatzbacken und selbstgefertigte Aufsatzbacken so weit wie möglich an Gewicht erleichtern – dies aber nicht auf Kosten der Festigkeit!

Aufsatzbacken in Sonderausführung sind im Zusammenhang mit dem zugehörigen Spannfutter neben der üblichen Spannkraftberechnung auch auf Festigkeit nachzurechnen! Eine Beschriftung mit der max. Drehzahl oder der Spannkraft ist sinnvoll.

Safety notes for top jaws:

- Check for proper separation of the serration with self-made top jaws
- Make sure that no distortion has occurred
- Recalculate hardness of self-made top jaws using the clamping force
- At high speeds, reduce weight of soft top jaws and self-made top jaws as much as possible – but not at the expense of hardness!

With regard to the relevant chuck, specially designed top jaws must also be recalculated for hardness in addition to the regular clamping force calculation! Marking them with the max. speed/RPM is helpful.

Für Werkstoff 16MnCr5 (1.7131)

1. Vorwärmen bis 400 °C.
2. Einsetzen unter Schutzgas bei 910 °C. Einsatztiefe abhängig von der Haltezeit.
3. Abhärten bei 840 °C (d.h. 910 °C wird auf 840 °C reduziert). In Öl bei 75 °C (ca. 30 Minuten) erkalten lassen auf Raumtemperatur.
4. Anlassen nach gewünschter Härte. Anlasstemperatur richtet sich nach geforderter Härte. Haltedauer ca. 2 Stunden.
5. Wieder erkalten lassen auf Raumtemperatur.

For material 16MnCr5 (1.7131)

1. *Preheat up to 400 °C.*
2. *Insert with protective gas at 910 °C. The case step depends on the holding time.*
3. *Harden at 840 °C (i.e. 910 °C is reduced to 840 °C). Cool down in oil at 75 °C (appr. 30 minutes) to room temperature.*
4. *Temper at the desired hardness. The tempering temperature depends on the desired hardness. Tempering time at this temperature: appr. 2 hours.*
5. *Cool down to room temperature again.*

Für Werkstoff C45 (1.0503)

Der zum Härten benötigte Kohlenstoffgehalt ist bei diesem Werkstoff bereits vorhanden. Örtliches Härten, z.B. der Spannkontur, ist mit einfachsten Mitteln (Erwärmung mit dem Schweißbrenner) möglich.

Ein Härteverzug der Verbindungskontur (Nut/Steg bzw. Nut/Spitzverzahnung) kann dadurch in den meisten Fällen vermieden werden.

1. Örtliches Erwärmen auf 870 – 930 °C (1 – 8 mm tief).
2. Abschrecken in Emulsion bis zum vollständigen Erkalten.
3. Anlassen des wärmebehandelten Teiles auf ca. 160 – 180 °C (ca. 2 Stunden), erreichte Härte 55 – 60 HRC.

For material C45 (1.0503)

The required carbon content for hardening is already existing in this material. Local heating, e.g. of the clamping contour can be materialised with simple equipments (heating with welding torches).

In most of the cases, warping of the connection contour (Groove/tenon or groove/fine serration) can be avoided.

1. *Local heating on 870 – 930 °C (1 – 8 mm deep).*
2. *Quenching in emulsion until the component is totally cooled down.*
3. *Temper the heat treated component at appr. 160 – 180 °C (appr. 2 hours) and a hardness of 55 – 60 HRC is achieved.*



Stahl 16MnCr5

- Hochwertiger Einsatzstahl in ausgesuchter Qualität
- Sehr hohe Zugfestigkeit
- Sehr feines Materialgefüge garantiert
- Gute Zerspanbarkeit beim Ausdrehen
- Einsatzhärtbar, dadurch sehr hohe Betriebssicherheit bei hohen Spannkraften

SCHUNK bezieht nur Qualitätsstahl. Jahrelange Geschäftsbeziehungen zu namhaften Stahlherstellern garantieren die stetige Materialverfügbarkeit.

Steel 16MnCr5

- High quality case hardened steel in chosen quality
- Very high tensile strength
- Excellent structure of the material is guaranteed
- Excellent cutting results during turning operation
- Case-hardenable. Assures a very high operating safety at high clamping forces

SCHUNK purchases quality steel exclusively. Long lasting business relationships with well-known steel manufacturers assure constant material availability.



Stahl 16MnCr5 einsatzgehärtet

- Hohe Oberflächenhärte von 58 – 62 HRC
- Einsatztiefe von 0.8 mm
- Sicher und rissfrei gehärtet durch das sehr feine Materialgefüge
- Hoher Qualitätsstandard durch ständige Qualitätsprüfung
- Jahrelange Zusammenarbeit mit der gleichen Härtereier, dadurch gesicherte, gleichbleibende Härtequalität

Steel 16MnCr5 case hardened

- High surface hardness of 58 – 62 HRC
- Case step of 0.8 mm
- Safely hardened crack free due to a very fine material structure
- High quality standard due to permanent quality control
- Long lasting cooperation with the same hardening shop. Therefore a consistent quality in hardness is guaranteed



Aluminium

Vorteile von Aluminium-Aufsatzbacken:

- Geringes Eigengewicht (ca. 3 x leichter als Stahl)
- Verbesserung der Drehleistung durch höhere Drehzahlen
- Höhere Spannkraft durch geringere Fliehkraft
- Hohe Zugfestigkeit (ca. 500 N/mm²)
- Verschleiß- und abriebfest durch hohe Grundhärte
- Hohe Wärmeleitfähigkeit (etwa 4 x höher als bei Stahl – Reduzierung des Wärmeverzugs)
- Dimensionsstabil beim Zerspanen – sehr gute Formgestaltung der Backen

Aluminium

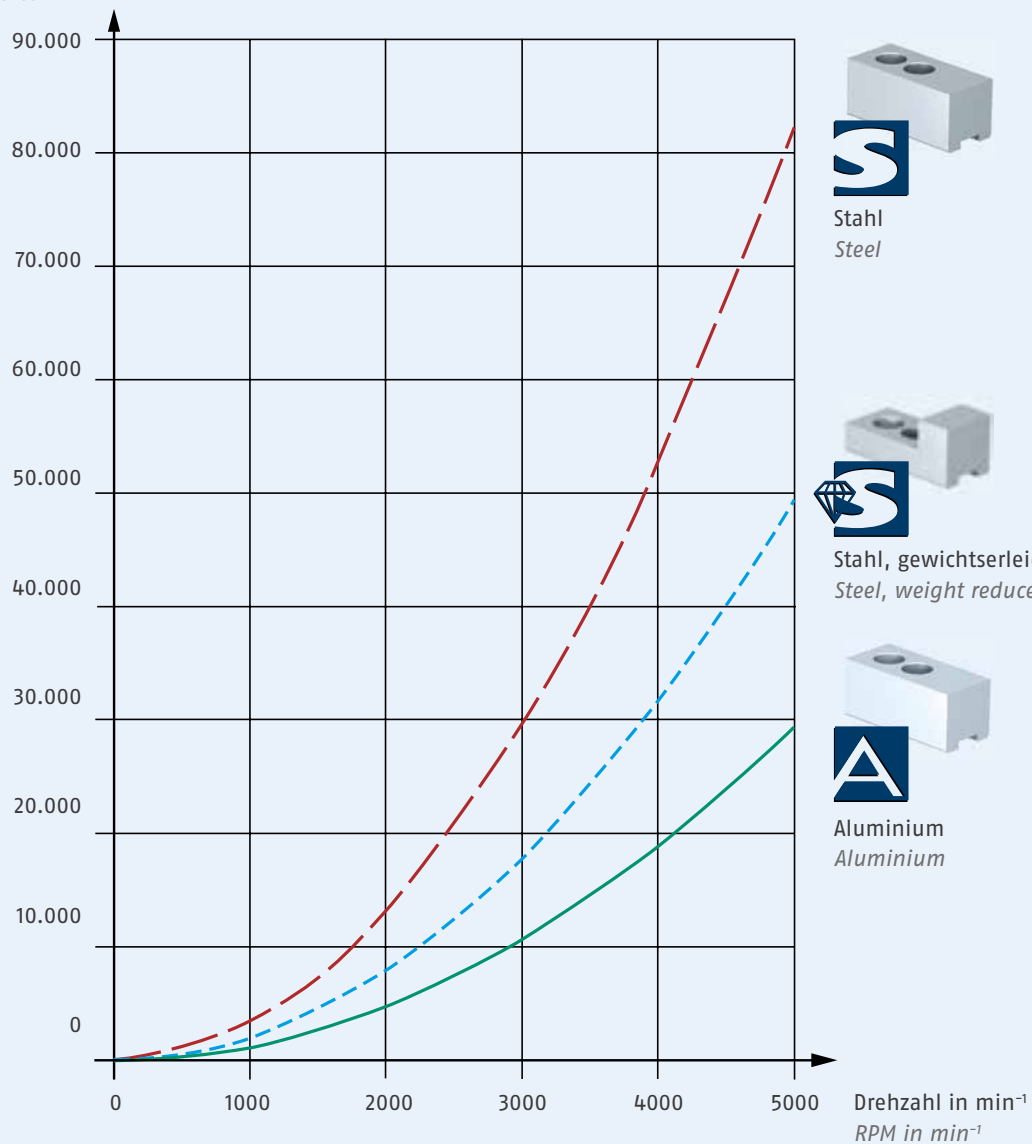
Advantages of aluminium top jaws:

- Low weight (appr. 3 x lighter than steel)
- Improved turning operation due to high RPM
- Higher clamping force due to low centrifugal forces
- High tensile strength (appr. 500 N/mm²)
- Wear- and abrasion-proof due to a high basic hardness
- High heat conductivity (appr. 4 x higher than steel – reduction of the heat distortion)
- Dimensional stability during metal cutting – excellent design of the jaws

Fliehkraftdiagramm und Berechnung der Backenfliehkräfte

Centrifugal force diagram and calculation of the centrifugal force of jaws

Fliehkraft in N
Centrifugal force in N



Formel / Formula:

$$F_c = m \cdot r_s \cdot \left(\frac{\pi \cdot n}{30} \right)^2$$

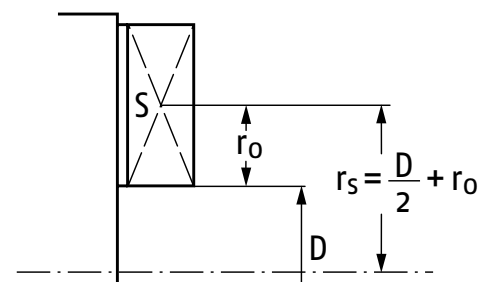
F_c = Fliehkraft in N
Centrifugal force in N

m = Masse in kg/Satz
Mass in kg/set

r_s = Schwerpunktabstand in Meter zur Futtermitte
Distance of the center of gravity to the chuck center in meter

n = Drehzahl min^{-1}
RPM min^{-1}

r_o = Schwerpunktabstand der Spannbacke
Distance of the center of gravity to the chuck jaw



Fallbeispiele zur Berechnung des Flächenschwerpunktabstandes bei gewichtserleichterten Backen Examples for calculating the distance of the center of area of weight reduced jaws

Fall 1:

Standardbacke SWB 250 mit rechteckiger Gewichtserleichterung

$$H = 80 \text{ mm} \quad h = 40 \text{ mm}$$

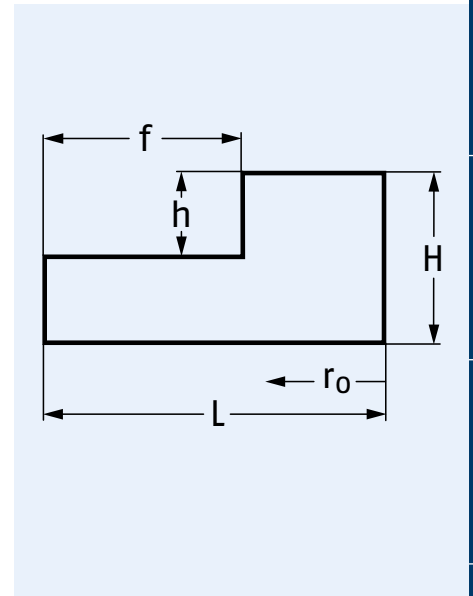
$$L = 120 \text{ mm} \quad f = 80 \text{ mm}$$

$$r_o = \frac{L \cdot H \cdot \frac{L}{2} - f \cdot h \cdot \left(L - \frac{f}{2}\right)}{L \cdot H - f \cdot h}$$

$$r_o = \frac{120 \cdot 80 \cdot \frac{120}{2} - 80 \cdot 40 \cdot \left(120 - \frac{80}{2}\right)}{120 \cdot 80 - 80 \cdot 40} = 50 \text{ mm}$$

Example 1:

Standard jaw SWB 250 with rectangular weight reduction



Fall 2:

Standardbacke SWB 250 mit schräger Gewichtserleichterung

$$H = 80 \text{ mm} \quad h = 40 \text{ mm}$$

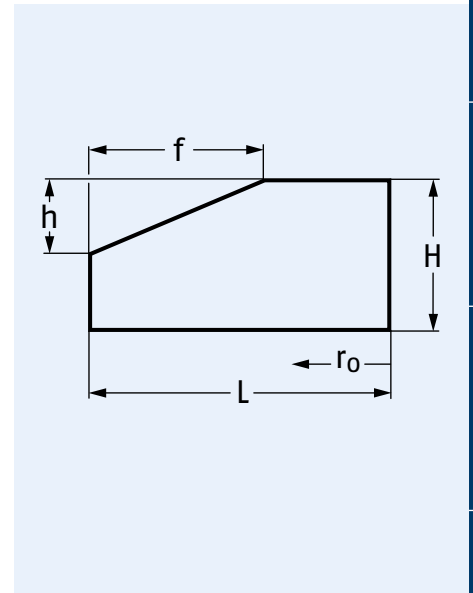
$$L = 120 \text{ mm} \quad f = 80 \text{ mm}$$

$$r_o = \frac{L \cdot H \cdot \frac{L}{2} - \frac{f \cdot h}{2} \cdot \left(L - \frac{f}{3}\right)}{L \cdot H - \frac{f \cdot h}{2}}$$

$$r_o = \frac{120 \cdot 80 \cdot \frac{120}{2} - \frac{100 \cdot 50}{2} \cdot \left(120 - \frac{100}{3}\right)}{120 \cdot 80 - \frac{100 \cdot 50}{2}} = 50.49 \text{ mm}$$

Example 2:

Standard jaw SWB 250 with chamfered weight reduction



Fallbeispiele zur Backenfliehkraftermittlung

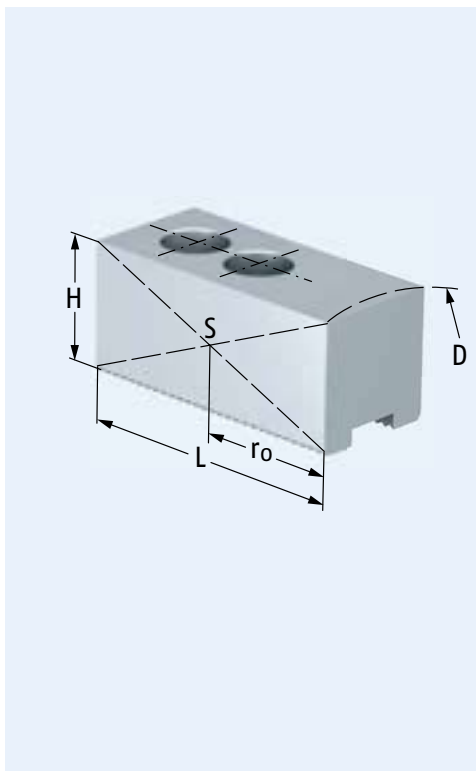
Application examples for determining the centrifugal force of the jaws

Zur Schwerpunktsabstandsbestimmung „ r_s “ werden die Befestigungsbohrungen vernachlässigt. Sie werden weitestgehend durch Befestigungsschrauben und Nutensteine ausgeglichen.

For determining the distance of the center of gravity „ r_s “ the fastening bores are neglected. Mostly they are compensated by fastening screws and T-nuts.

Anmerkung: Auf Wunsch erhalten Sie Unterlagen zur exakten rechnerischen Schwerpunktermittlung (mit Befestigungslochern usw.) kostenlos zugesandt. Backengewichte unserer Standard-Typen können Sie diesem Katalog entnehmen.

Note: By request you will receive data, free of charge, for the exact calculation of the center of gravity (with fastening bores, etc.) You can find the standard jaw weights in this catalog.



Fall 1:

Standardbacke SWB 250 ohne Gewichts-
erleichterung (Vollbacke)

Example 1:

Standard jaw SWB 250 without weight
reduction

$$H = 80 \text{ mm}$$

$$n = 1000 \text{ min}^{-1}$$

$$L = 120 \text{ mm}$$

$$m = 9.5 \text{ kg (Satz | Set)}$$

$$\text{Spann-}\varnothing \text{ | Clamping diam.}$$

$$D = 60 \text{ mm}$$

Schwerpunktabstand der Backe

Distance of the center of gravity to the jaw

$$r_o = \frac{L}{2} = 60 \text{ mm}$$

Schwerpunktabstand zur Futtermitte

Distance of the center of gravity to the chuck center

$$r_s = \frac{D}{2} + r_o = 0.09 \text{ m}$$

Berechnung der Fliehkraft

Calculation of the centrifugal force

$$F_c = m \cdot r_s \left(\frac{\pi \cdot n}{30} \right)^2 = 9.5 \text{ kg} \cdot 0.09 \text{ m} \cdot \left(\frac{\pi \cdot 1000}{30 \text{ sec.}} \right)^2 = 9367 \text{ N}$$

Fall 2:

Standardbacke SWB 250 mit rechteckiger Gewichtserleichterung

$H = 80 \text{ mm}$ $h = 40 \text{ mm}$
 $L = 120 \text{ mm}$ $f = 80 \text{ mm}$
 $n = 1000 \text{ min}^{-1}$ $m = 6.45 \text{ kg (Satz | Set)}$
 Spann- \emptyset | Clamping diam. $D = 60 \text{ mm}$

Example 2:

Standard jaw SWB 250 with rectangular weight reduction

Rechnerische Bestimmung des Schwerpunktabstandes
 Determining calculation for the distance to the center of gravity

$$r_o = \frac{L \cdot H \cdot \frac{L}{2} - h \cdot f \cdot \left(L - \frac{f}{2}\right)}{L \cdot H - h \cdot f}$$

$$r_o = \frac{120 \cdot 80 \cdot \frac{120}{2} - 40 \cdot 80 \cdot \left(120 - \frac{80}{2}\right)}{120 \cdot 80 - 40 \cdot 80} = 50 \text{ mm}$$

$$r_s = \frac{D}{2} + r_o = 30 + 50 \text{ mm} = 80 \text{ mm} = 0.08 \text{ m}$$

Berechnung der Fliehkraft
 Calculation of the centrifugal force

$$F_c = m \cdot r_s \cdot \left(\frac{\pi \cdot n}{30}\right)^2 = 6.45 \text{ kg} \cdot 0.08 \text{ m} \cdot \left(\frac{\pi \cdot 1000}{30 \text{ sec.}}\right)^2 = 5652 \text{ N}$$

Fall 3:

Standardbacke SWB-AL 250 (Aluminium) ohne Gewichtserleichterung

$H = 80 \text{ mm}$ $n = 1000 \text{ min}^{-1}$
 $L = 120 \text{ mm}$ $m = 3.35 \text{ kg (Satz | Set)}$
 Spann- \emptyset | Clamping diam. $D = 60 \text{ mm}$

Example 3:

Standard jaw SWB-AL 250 (aluminium) without weight reduction

Schwerpunktabstand der Backe
 Distance of the jaw's center of gravity

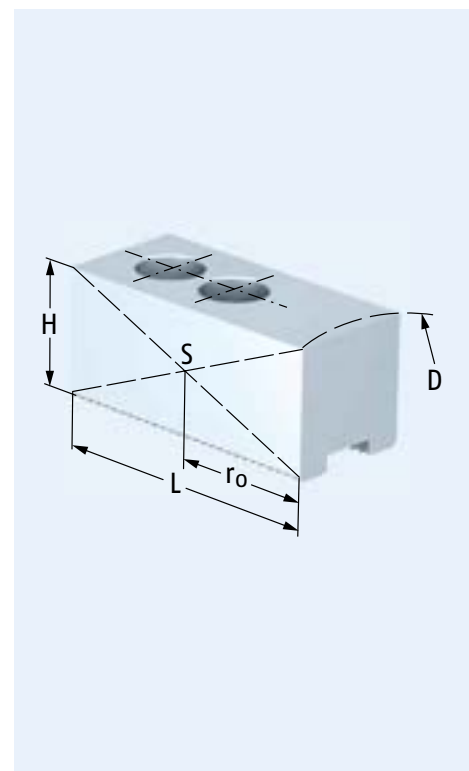
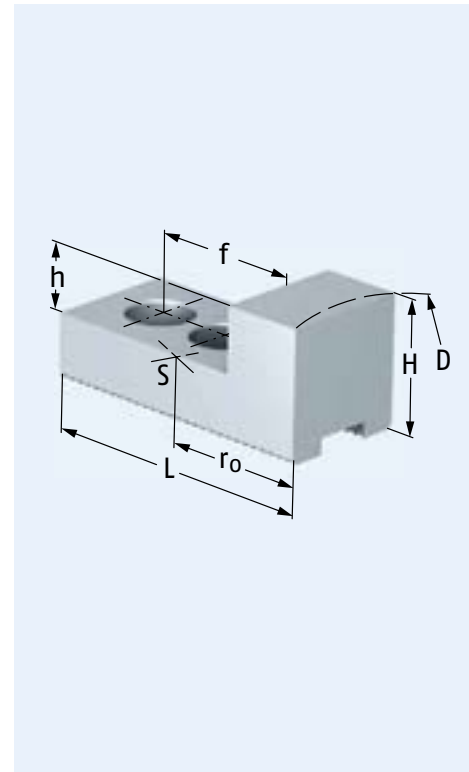
$$r_o = \frac{L}{2} = 60 \text{ mm}$$

Schwerpunktabstand zur Futtermitte
 Distance of the center of gravity to the chuck center

$$r_s = \frac{D}{2} + r_o = 0.09 \text{ m}$$

Berechnung der Fliehkraft
 Calculation of the centrifugal force

$$F_c = m \cdot r_s \cdot \left(\frac{\pi \cdot n}{30}\right)^2 = 3.35 \text{ kg} \cdot 0.09 \text{ m} \cdot \left(\frac{\pi \cdot 1000}{30 \text{ sec.}}\right)^2 = 3300 \text{ N}$$



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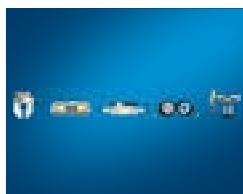
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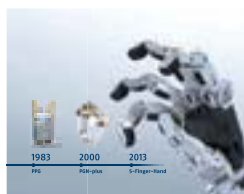
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