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Tungaloy
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NTK
Cutting Tools
POWERED BY SMART INNOVATION
OPTIMIZED MATERIAL MAXIMUM PERFORMANCE

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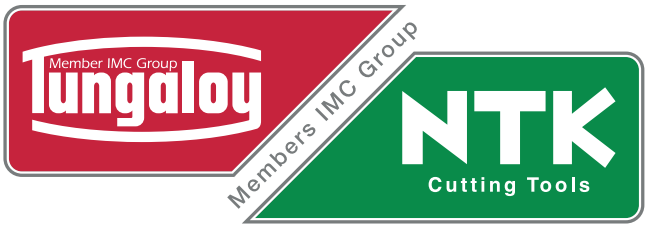

Powered by Smart Innovation

The future of manufacturing demands solutions that maximize productivity while making more efficient use of valuable resources.

Tungaloy and NTK combine advanced tooling technologies, innovative cutting materials, and intelligent tool architectures to help manufacturers achieve more with less. From exchangeable-head systems that dramatically reduce carbide consumption to lightweight insert designs and high-efficiency machining solutions, every innovation is engineered to improve productivity, material efficiency, and process reliability.

Together, we deliver optimized material solutions that support both manufacturing performance and responsible resource utilization.

Sustainability is Engineered.
Optimized Material. Maximum Performance.

Need assistance finding the right solution? Ask Gabby, Tungaloy's AI Assistant, and receive tooling recommendations through simple natural-language interaction.

Questions?
Ask Gabby!
Tungaloy AI Assistant

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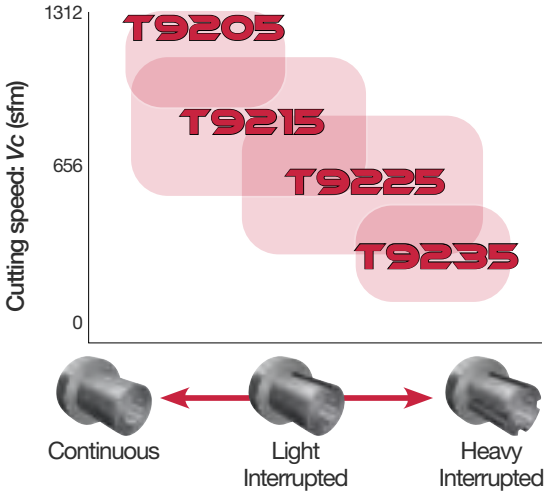
CVD GRADES

T9200 P M K

CVD grade series with outstanding productivity, especially for steel turning

Nearly unbreakable CVD series for improved machining efficiency

APPLICATION AREA P



T6200 M

Highly reliable CVD grade series for high-speed stainless steel turning

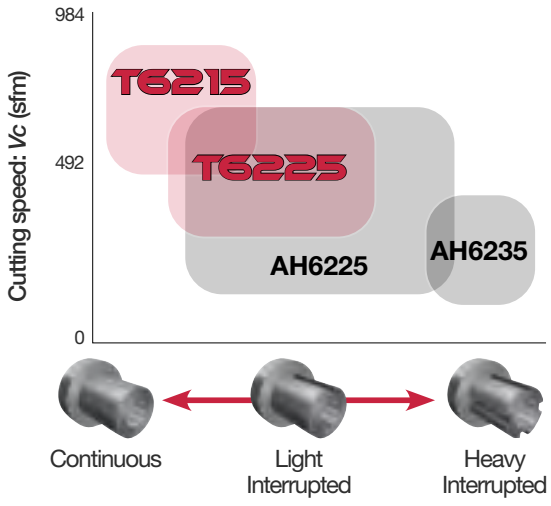
Complete grade line up for stainless steel turning

T500D K

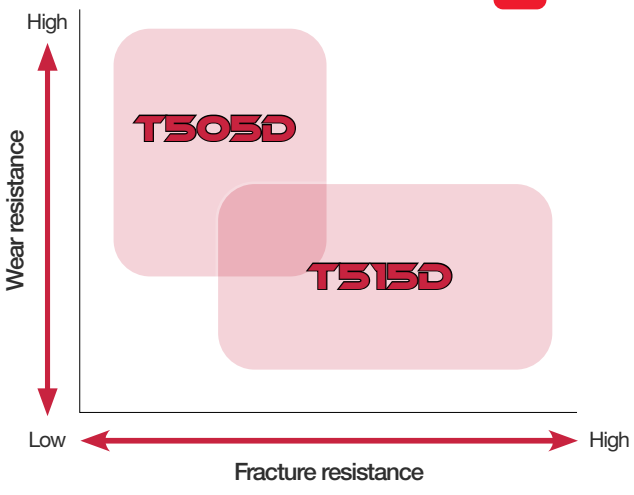
CVD grade series engineered for ductile cast iron machining

Excellent wear resistance and fracture resistance for stable turning

APPLICATION AREA M



APPLICATION AREA K



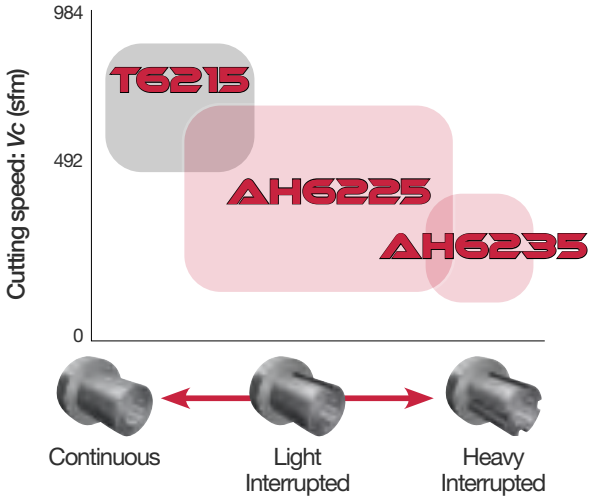
PVD GRADES

AH6200 M

Highly reliable PVD grade series for light and heavy interrupted stainless steel turning

Complete grade lineup for stainless steel turning

APPLICATION AREA M



DMC drilling head for DrillMeister

AH9130

The latest PVD grade developed specifically for hole making applications

A good combination of wear and fracture resistance enhances the grade's tool life and wear prediction.

Grades available for TungSix-Drill and TungDrillTwisted

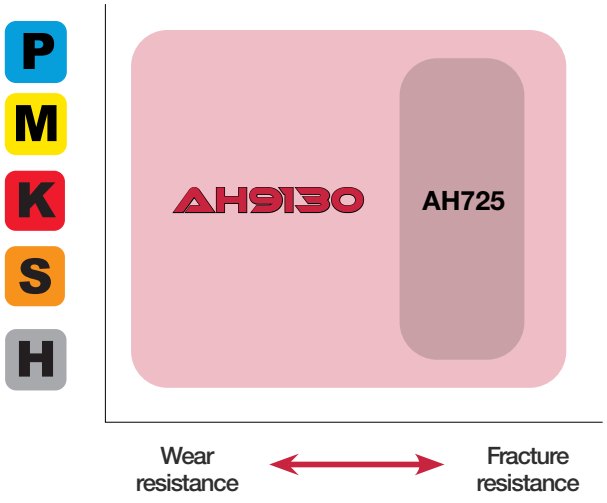
AH7020
AH7030

P K
P M
K S
H

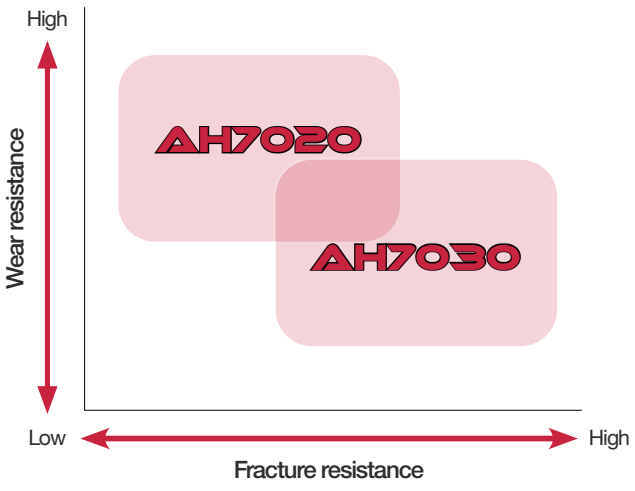
Reliable PVD Grades for High-Efficiency and Stable Drilling

Combining wear resistance and fracture toughness, AH7020 and AH7030 deliver long tool life and process stability, from high-speed machining in steel and cast iron to unstable drilling conditions across all material groups.

APPLICATION AREA



APPLICATION AREA



PVD GRADES MINIATURE

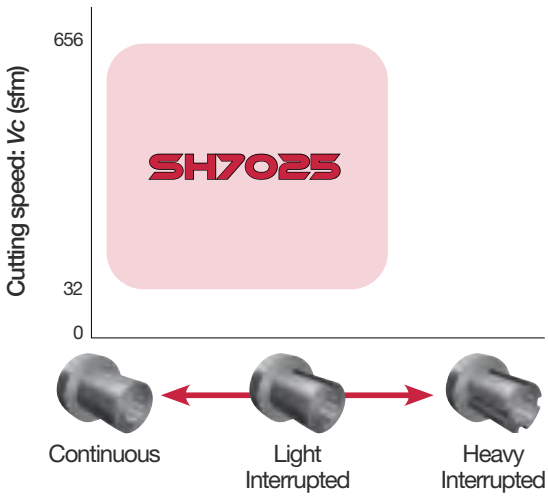
SH7025

P M

Superior surface quality in small part machining is achieved with a unique columnar-structured TiCN coating and multilayered TiAlN coating

Superior surface quality and process security in small part machining

APPLICATION AREA



QGM / QGS inserts for AddForceCut

AH7025

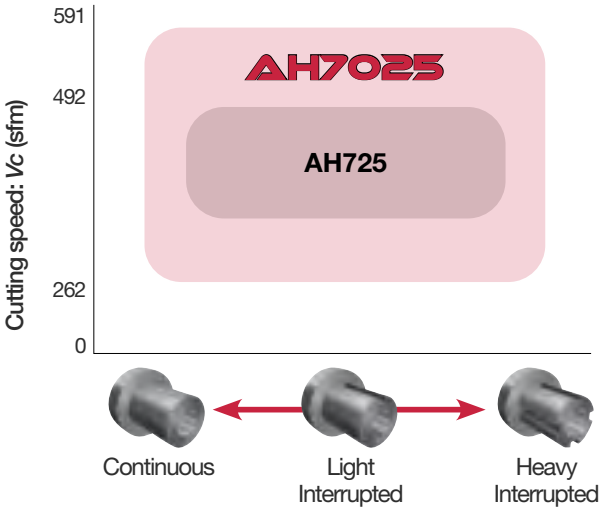
P M K S

Dedicated PVD grade for grooving applications

featuring a good balance of wear and chipping resistance.

AH7025 uses the world's first coating technology of a nano-scale multi-layered AlTiN PVD coating with high Al content.

APPLICATION AREA



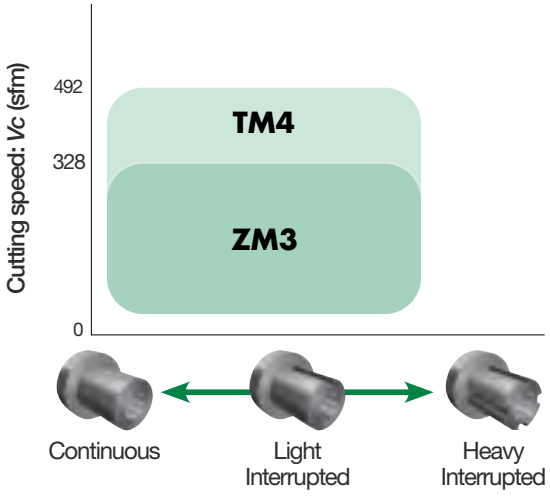
ZM3/TM4

P M N

General-purpose PVD grades suitable for a wide range of machining applications on Swiss lathes

Featuring both excellent adhesion and wear resistance

APPLICATION AREA



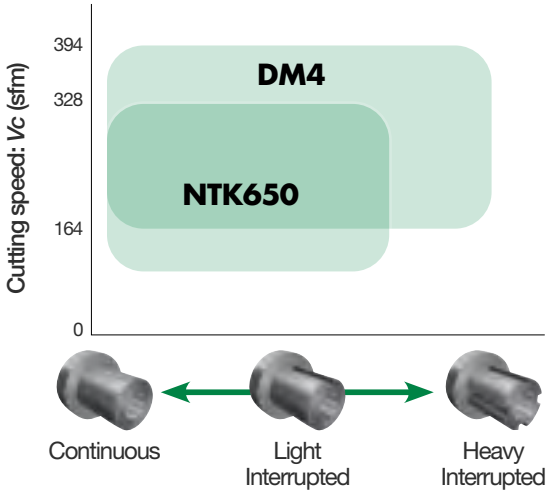
PVD GRADES MINIATURE

NTK650 P M S

Outstanding productive PVD grade for various material groups and applications

Latest HiPIMS coating technology for Improvement of surface-smoothness and suppression of imperfections in film

APPLICATION AREA S



ST4 M

Dedicated PVD grade for **stainless steel machining** with high hardness and oxidation resistance

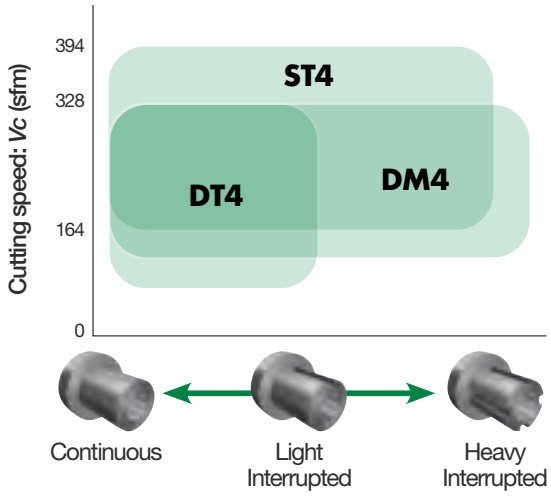
Outstanding tool life with efficient machining of difficult to cut stainless steels and steels

DM4/DT4 M S

High productive PVD **grades** for heat resistant alloys and titanium alloys

Providing unparalleled machining stability, even under high-temperature machining conditions

APPLICATION AREA M



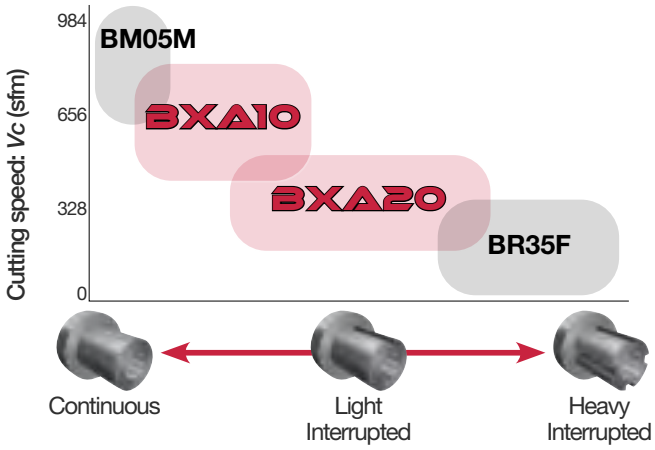
CBN GRADES

BXA10 H
BXA20

CBN Grade Series for continuous to light interrupted hardened steel turning

Reliable wear-resistant grades for stable machining at low to medium cutting speeds.

APPLICATION AREA H



BX5015 K

High-performance **CBN Grade** for low-speed gray cast iron machining

Excellent wear resistance and fracture resistance for stable turning

BX4015 Sintered alloy

Superior **CBN Grade** for High Process Security for Sintered Alloy Machining

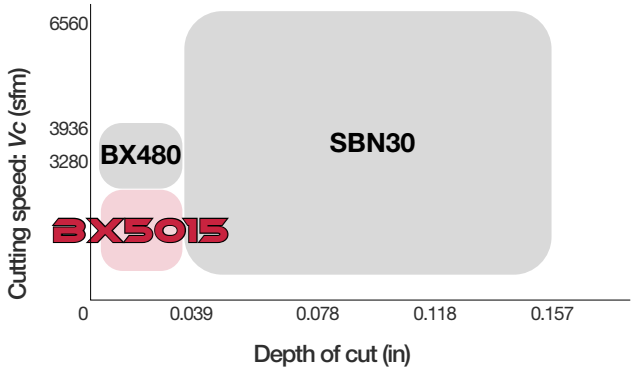
Excellent wear resistance and fracture toughness for reliable performance in continuous and light-interrupted cutting

SBN30

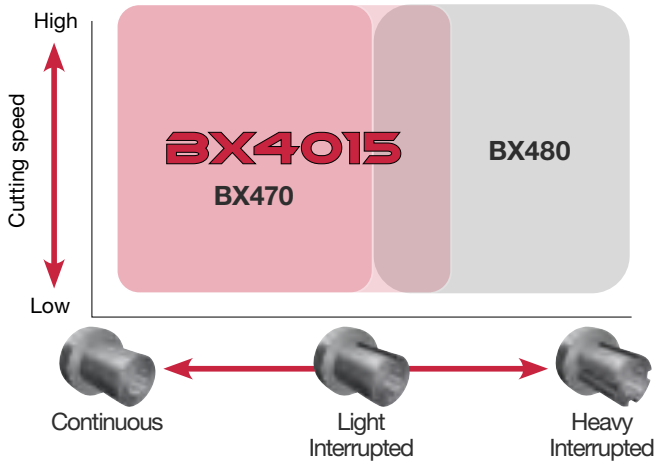
High-performance **CBN Grade** for Hardened Steel Machining

Achieve exceptional tool life and reliable performance in continuous and interrupted cutting applications

APPLICATION AREA K



APPLICATION AREA



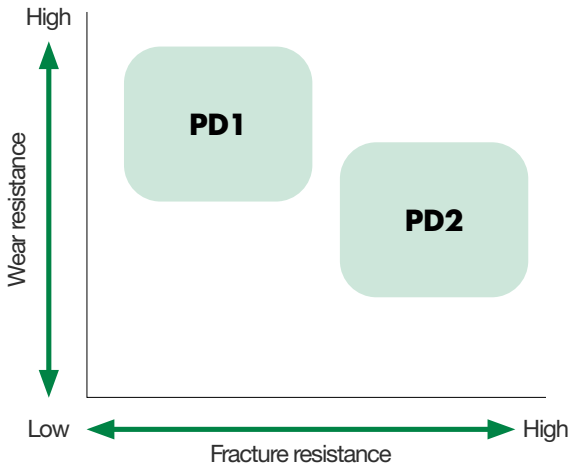
PCD GRADES

PD1/PD2 N

Excellent durable **PCD grades** with sharp cutting edge and **increased chipping resistance for higher performance**

3D chipbreaker selection exhibiting increased sharpness and excellent adhesion resistance

APPLICATION AREA N



DX160 N

An extremely wear-resistant PCD grade, suitable for finishing aluminum and copper alloys

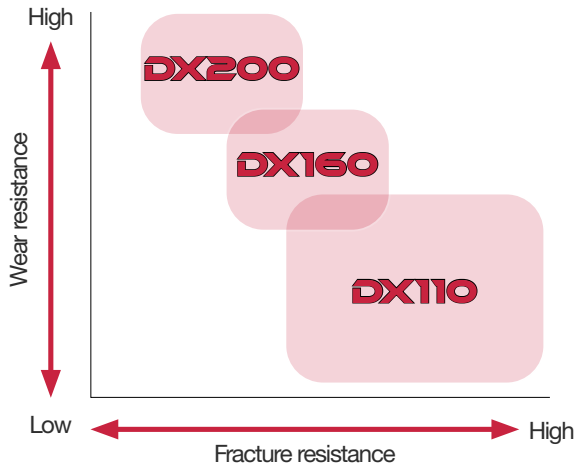
featuring strongly-bonded diamond grains that prevents the grains from breaking off during machining

DX200 N

100% diamond grade perfect for machining tungsten carbide and other superhard non-ferrous metals

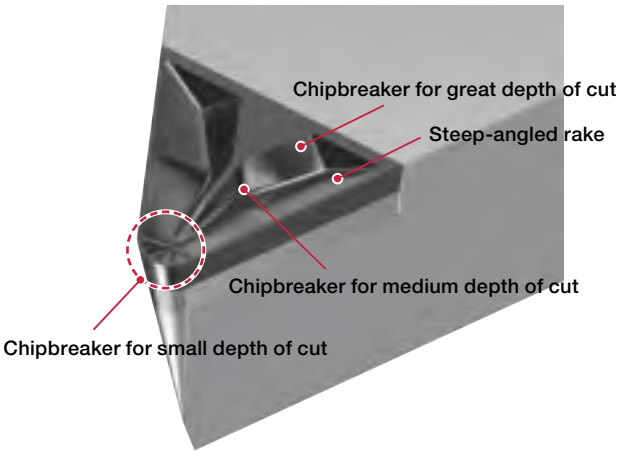
Featuring a sharp cutting edge that provides excellent surface finish

APPLICATION AREA N



NS Chipbreaker

PCD inserts with **3D chipbreaker** for excellent chip control, suitable for both roughing and finishing operations. Available for **DX110** and **DX160** grade series



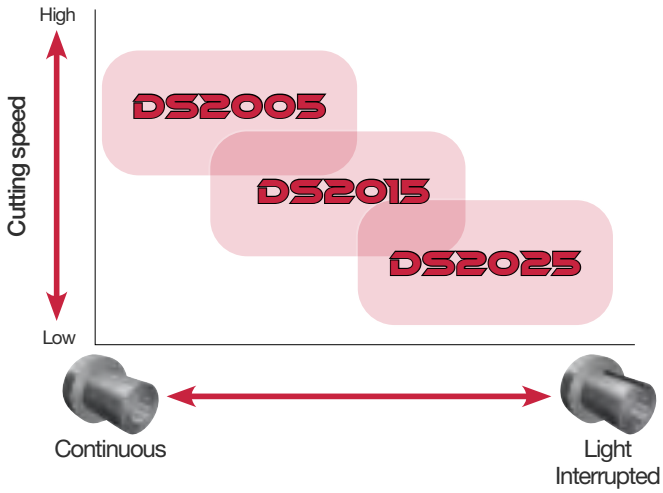
DLC COATED

DS2000 N

Advanced DLC-coated grades with outstanding adhesion resistance and superior surface finish for stable machining of aluminum and non-ferrous materials

Grade Series available for DrillMeister, TungMeister, TungForceRec, TungAluMill, TetraMiniCut and ISO Turning inserts

APPLICATION AREA N



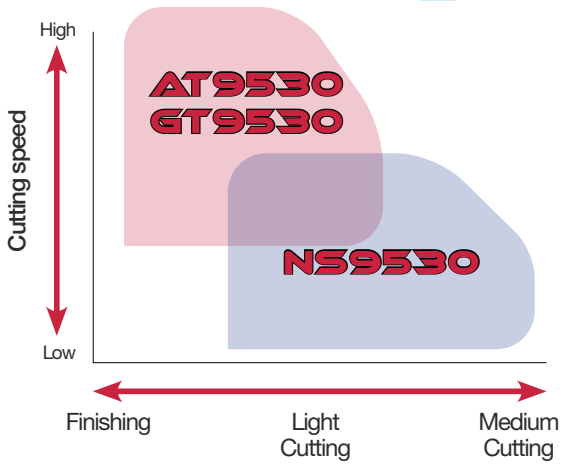
CERMET GRADES

AT9530 P
GT9530
NS9530

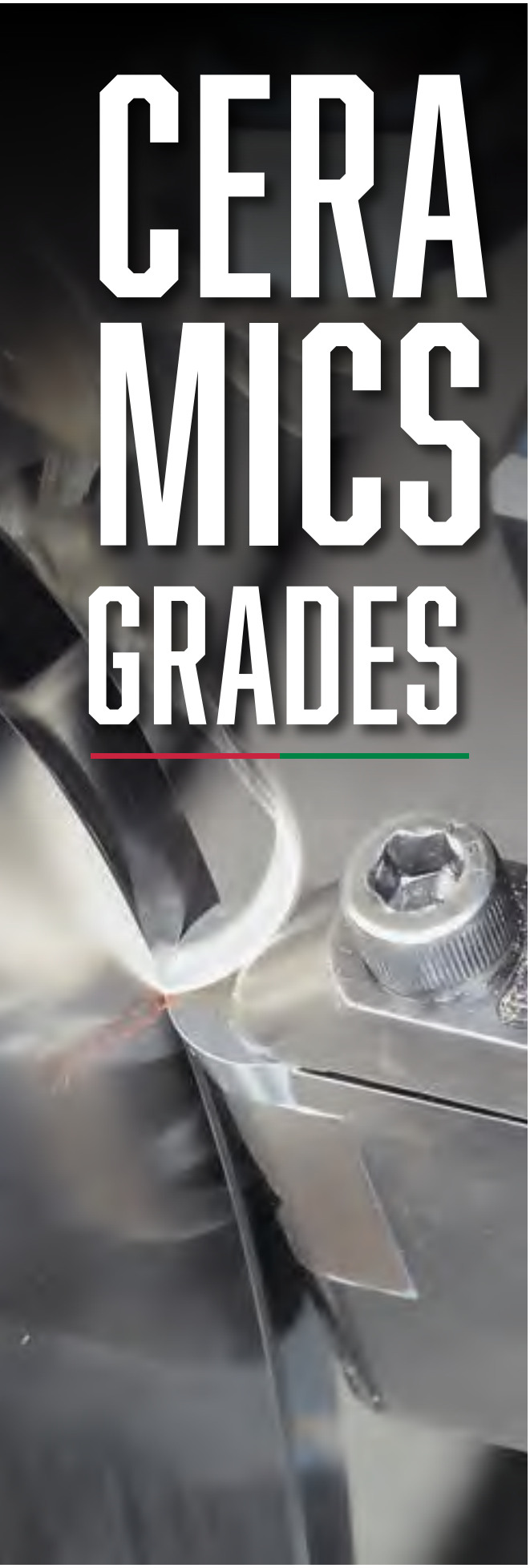
Cermet grades for steel finishing turning

Cermet grades with remarkably stable tool life due to incredible fracture resistance

APPLICATION AREA P



CERAMICS GRADES



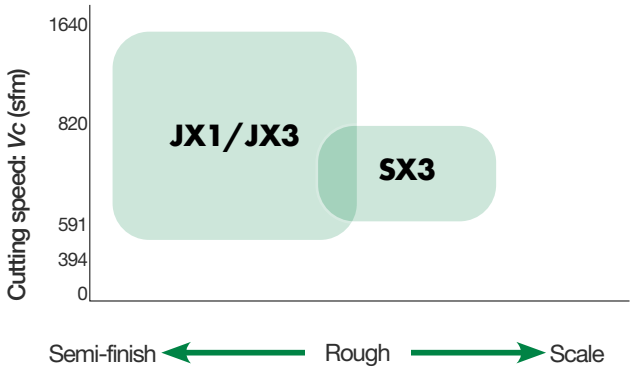
JX1/JX3 S

The BIDEMICS line ushers in a new era of turning for heat resistant alloys with ultra-high productivity

Roughing to semi-finishing of heat resistant alloys with higher quality and longer tool life than whisker ceramics

APPLICATION AREA S

TURNING - WET



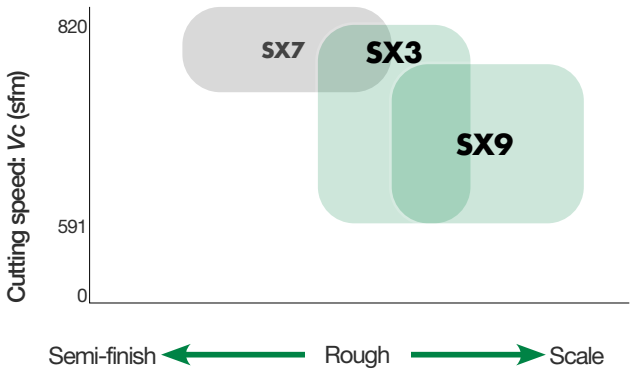
SX3 S

First recommendation for heat resistant alloys machining for **high-speed turning and milling with stable performance**

Machines wide range of conditions in materials from the commonly used heat resistant alloys like Inconel 718 to the newer generation of materials like Rene 80 and Rene 95

APPLICATION AREA S

TURNING - WET



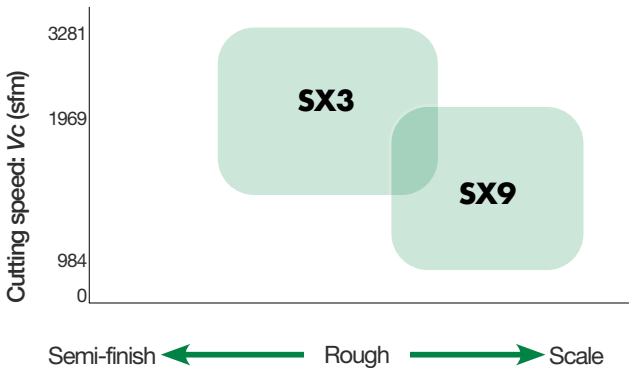
SX9 S

Excellent Ceramic grade featuring **superb notch and flank wear resistant**

Best grade for roughing heat resistant alloys like Inconel 718 with scale

APPLICATION AREA S

MILLING - DRY



CERAMICS GRADES

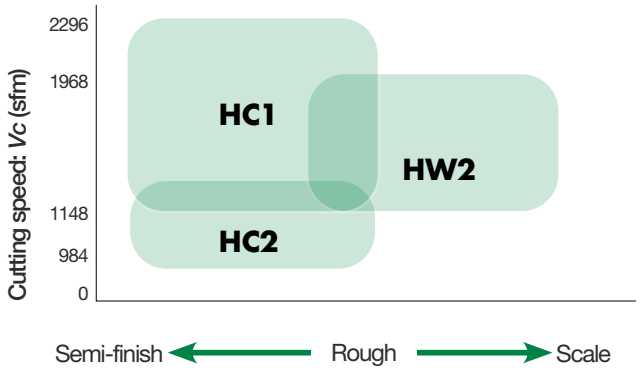
HC1/HW2 K

Unparalleled ceramic series
for finishing gray cast iron

High-speed performance is achievable with the thermally and chemically stable alumina ceramic blend

APPLICATION AREA K Cast Iron

DRY



SX6 K

First recommendation for **rough turning and milling cast iron**

Ceramic grade series with outstanding boundary wear resistance and thermal shock resistance

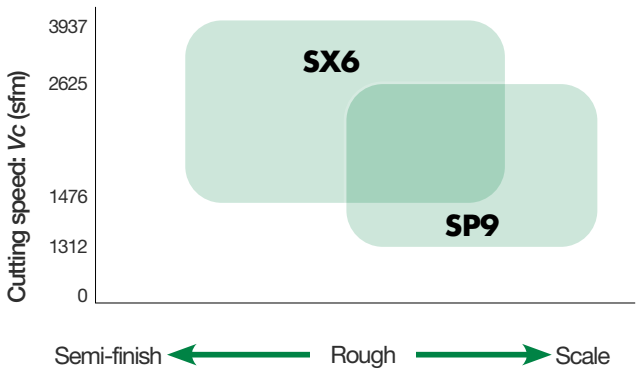
SP9 K

Tough and versatile ceramic grade for gray and ductile cast iron machining

Coated silicon nitride ceramic combining toughness and wear resistance.

APPLICATION AREA

K Cast Iron
Ductile Cast Iron



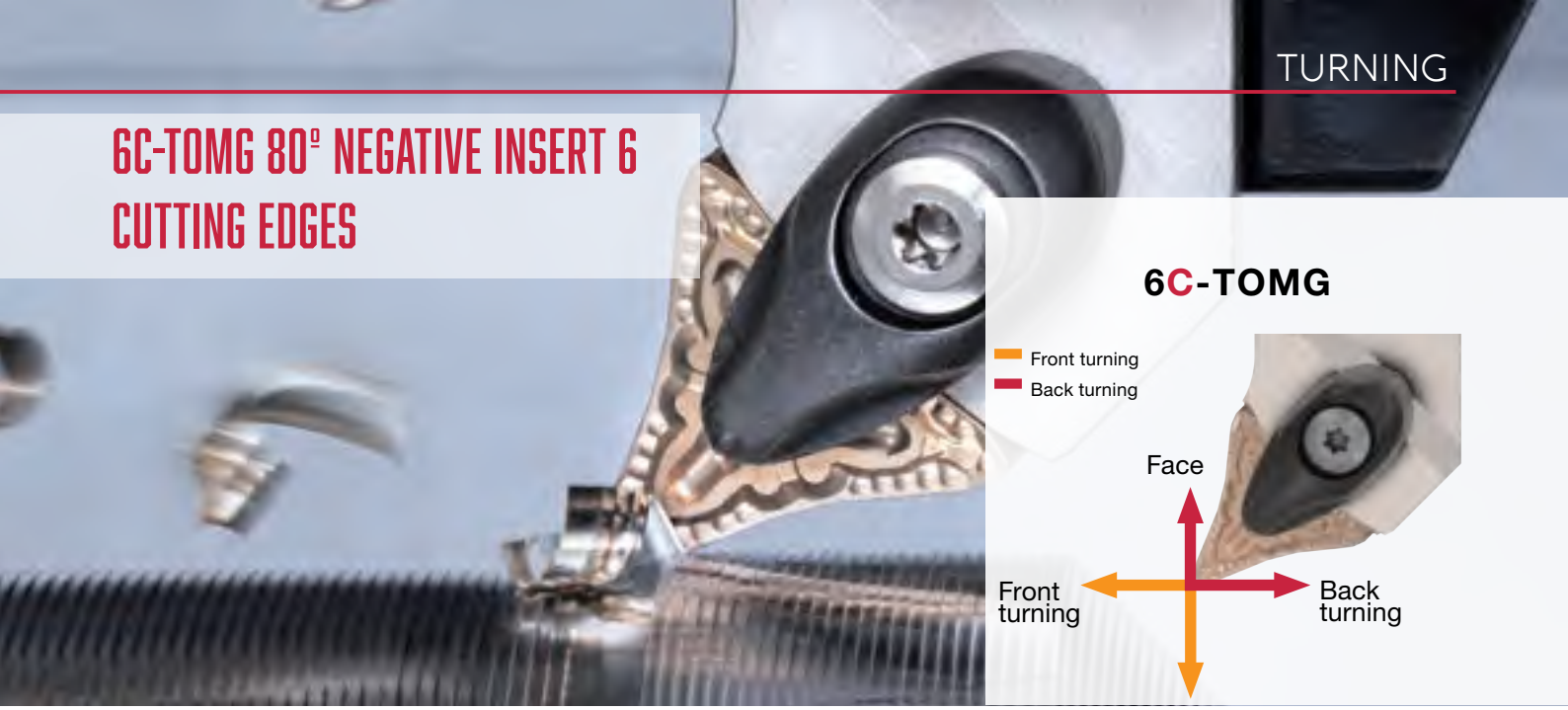
ADDMULTITURN

THE ULTIMATE TOOL FOR MULTIPLICITY

Front Turning, Back Turning, Profiling, Internal Turning and Face Turning, with ***ONE SINGLE TOOL***

AddMultiTurn ensures stable clamping, supports high-feed machining, and delivers excellent surface finish with integrated wipers. Its versatile geometries enable multiple processes in one operation, maximizing productivity.

6C-TOMG 80º NEGATIVE INSERT 6 CUTTING EDGES



6C-TOMG

6V-TOMG 35º NEGATIVE INSERT 6 CUTTING EDGES

6V-TOMG

3C-TCMT 86º POSITIVE INSERT 3 CUTTING EDGES

MULTIFUNCTIONAL TOOLS FOR DRILLING AND TURNING

Reduced machine downtime by eliminating the need for tool changes.

Minimum bore diameter: DMIN

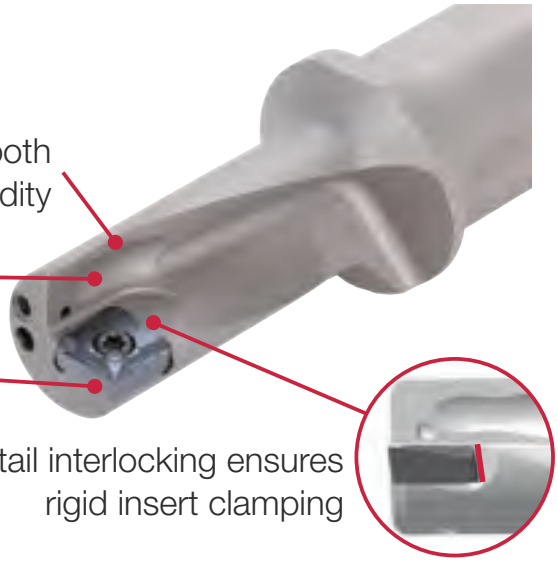
TINYMINITURNMULTI					TUNGBORE MINI								
ø3 mm	ø4 mm	ø5 mm	ø6 mm	ø7 mm	ø0.315"	ø0.394"	ø0.472"	ø0.551"	ø0.630"	ø0.709"	ø0.787"	ø0.984"	ø1.260"
Solid carbide boring bar					Indexable								

TUNGBORE MINI

The flute is designed to promote smooth chip flow, while ensuring tool rigidity

Optimized through-coolant ensures effective chip evacuation during machining

Double-sided insert with 2 corners



Dovetail interlocking ensures rigid insert clamping

TINYMINITURNMULTI

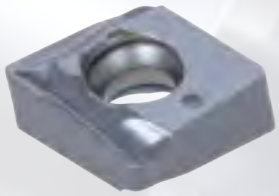
TBMFR07...

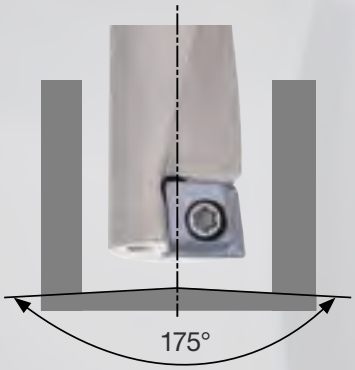
From drilling to internal, external, and face turning
L/D = 2 & 3

Three strategically positioned coolant grooves ensure effective chip evacuation and control.

XOMU-PS

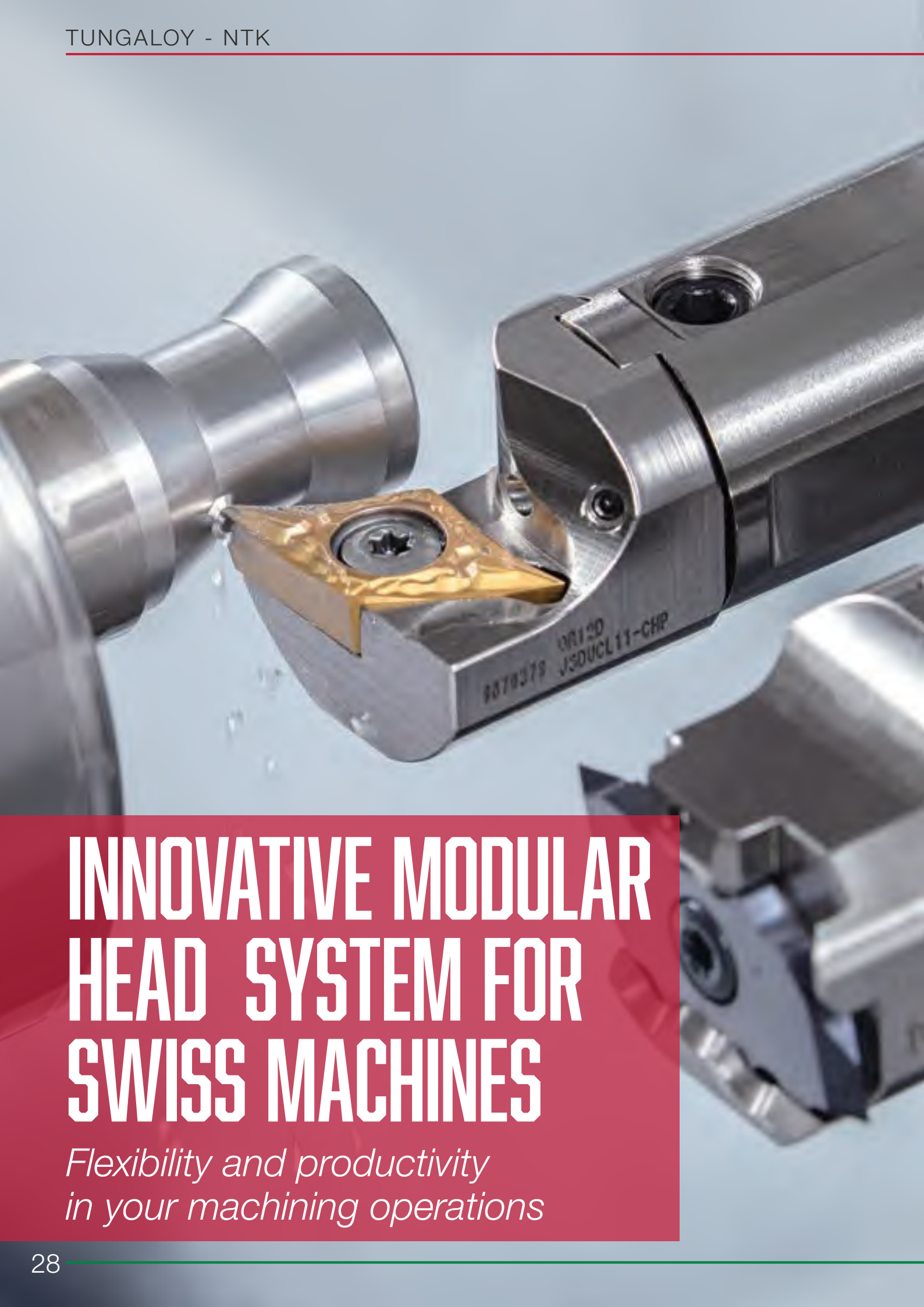
Optimized chipbreaker design enables effective chip control in all applications





Creates a near-flat hole bottom

Creates a flat hole bottom with excellent chip control, thanks to its unique chipbreaker



INNOVATIVE MODULAR HEAD SYSTEM FOR SWISS MACHINES

Flexibility and productivity in your machining operations

MODUMINITURN + N-Swiss JOINT

Modularity and productivity with a wide selection of turning, grooving and threading heads

ModuMiniTurn head examples:

N-Swiss JOINT head examples:

Quick head changes allow fast tool setup. The unique coupling ensures stable connection and precise repeatability.

Positioning accuracy for the same insert: ±5 µm

ModuMiniTurn and ***N-Swiss JOINT*** are compatible with the same QC10, QC12 & QC16 toolholders for maximum flexibility and lower inventory requirements.

ModuMiniTurn and ***N-Swiss JOINT*** offers precision internal coolant delivery, which improves chip control and tool life.

SAME PERFORMANCE. LESS MATERIAL

Reduced carbide usage with the proven performance of standard ISO inserts.

ISOECOTURN

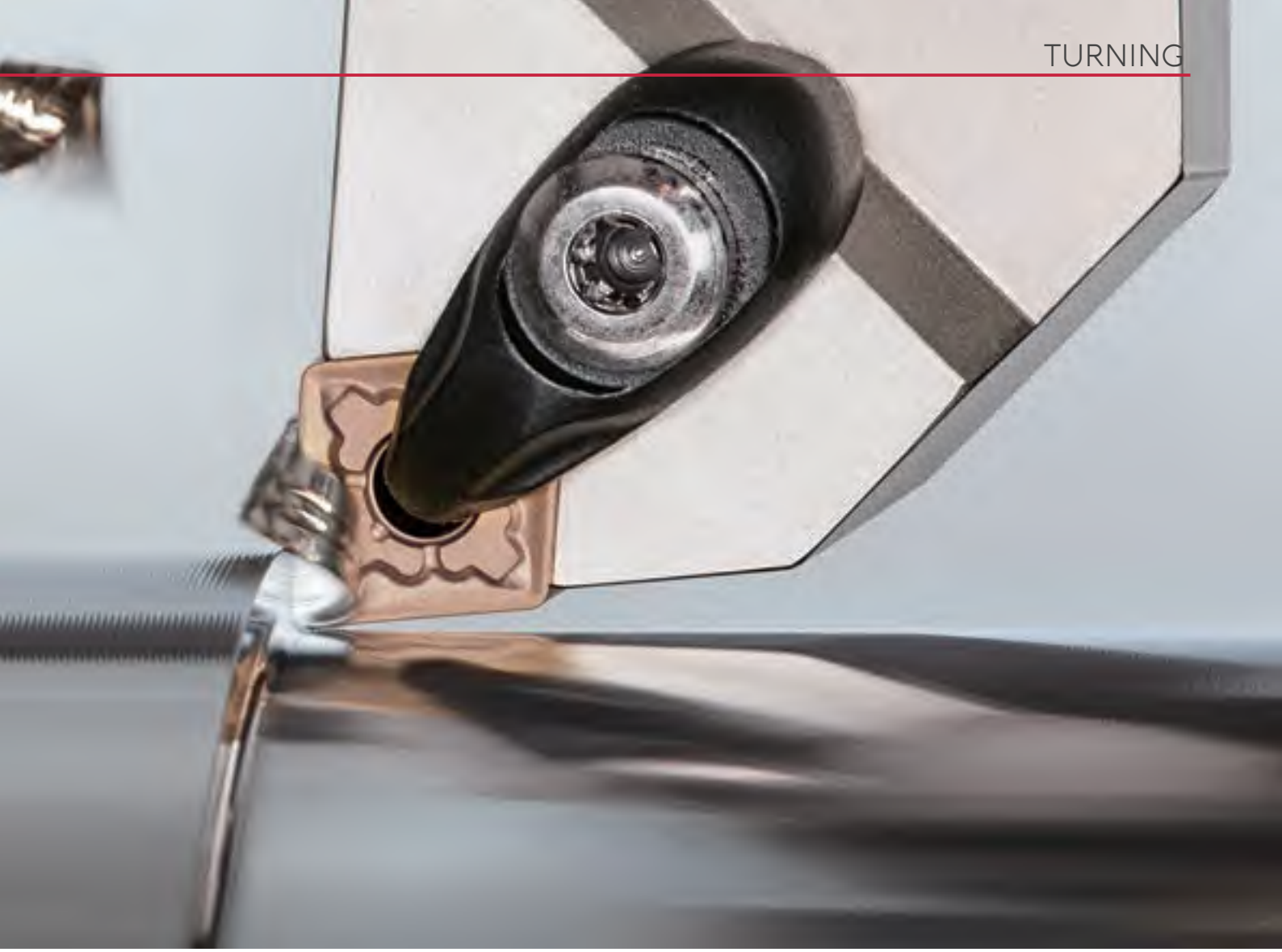
Up to 43% less carbide usage without changing existing toolholders or machining conditions.

ISO standard size
CNMG 432 size

Volume : 0.0395 in^3

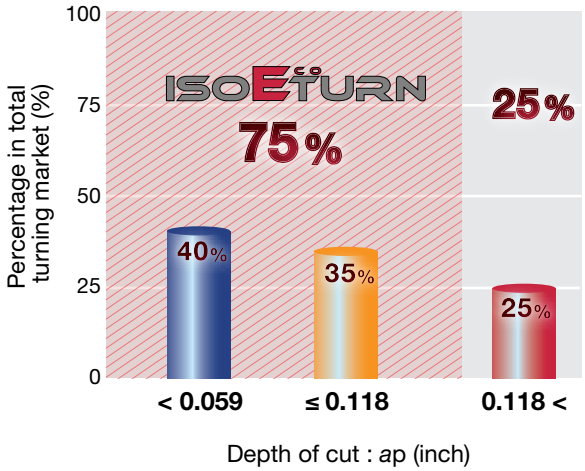
ISOECOTURN
CNMG 332E size

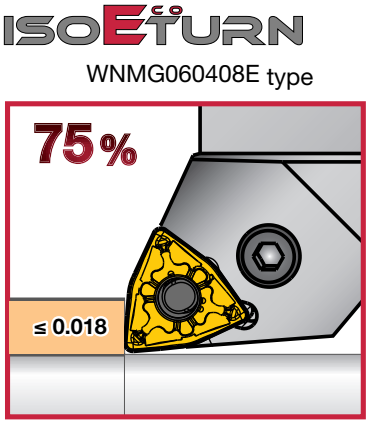
Volume : 0.0224 in^3

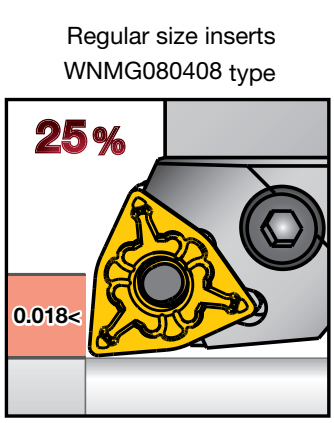


Over 75% of turning applications use a depth of cut of 0.118" or less.

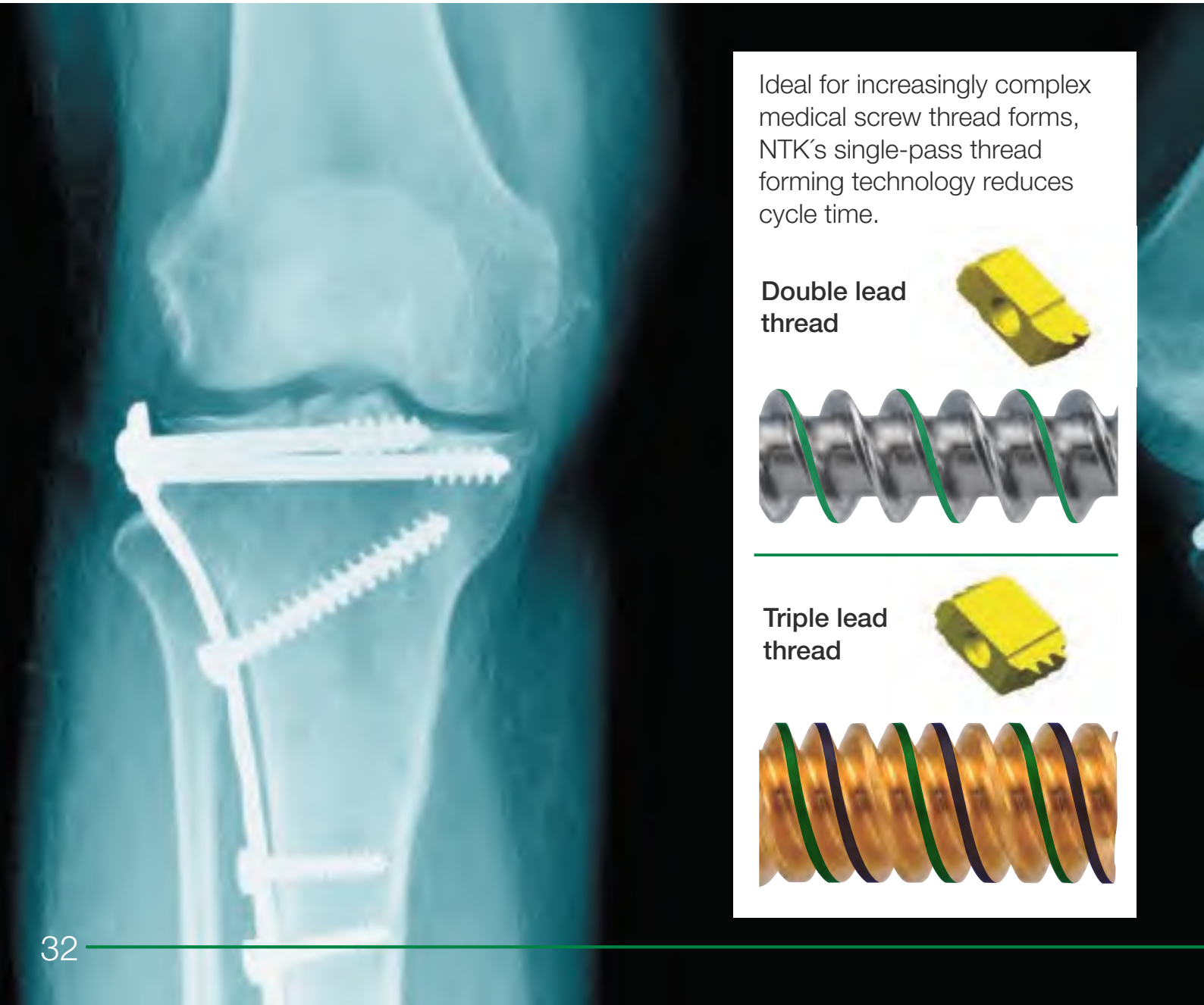
Based on Tungaloy market research.







MAXIMIZE EFFICIENCY: ONE SINGLE PASS, MULTI-LEAD THREADS MACHINING!



Ideal for increasingly complex medical screw thread forms, NTK´s single-pass thread forming technology reduces cycle time.

Double lead thread

Triple lead thread

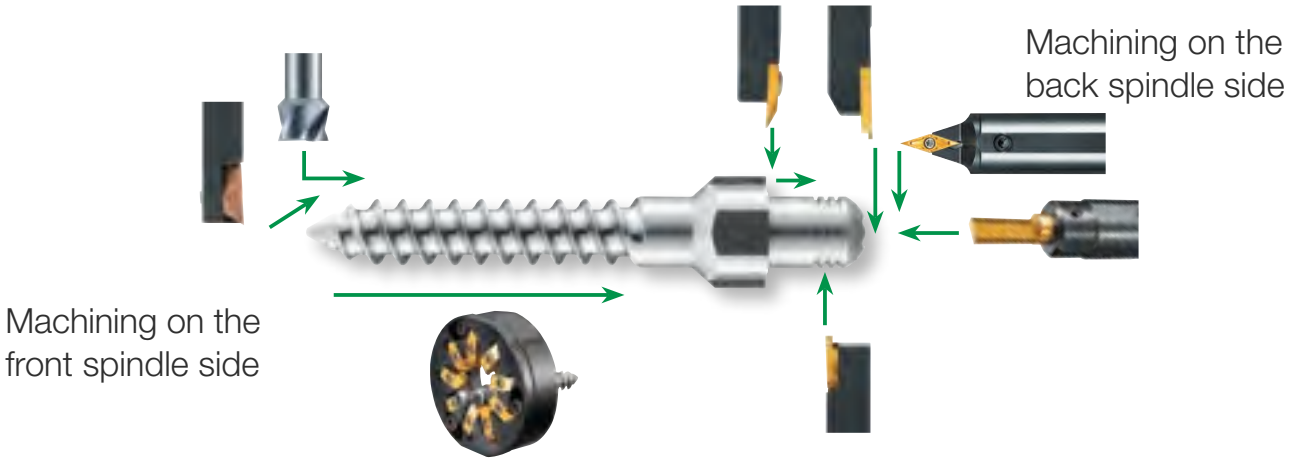
Thread Whirling

Cutting-edge system for unparalleled productivity in screw manufacturing, such as dental implant and bone screws

Thread Whirling-ECO New

Same performance with an economical advantage

Tooling layout

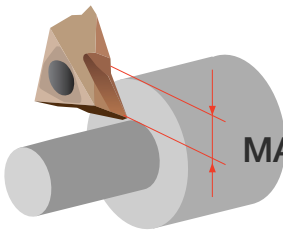


EFFICIENT SINGLE-PASS TURNING WITH DEPTHS OF CUT UP TO 0.197"

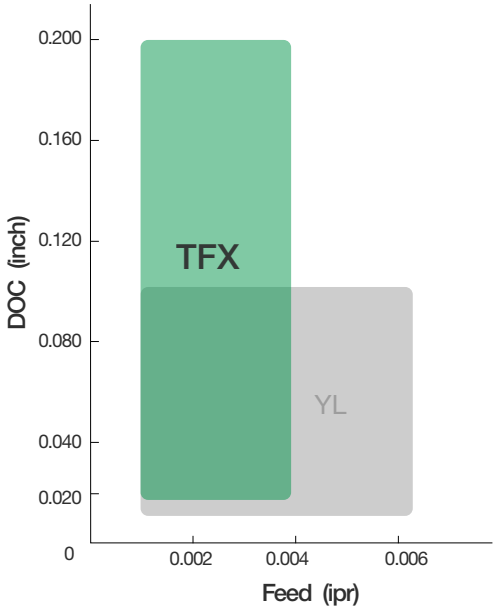
Reduce Cycle Time, Minimize Insert Wear, and Extend Tool Life

The Front Max

Revolutionary Chipbreaker Design Delivers Superior Chip Control and Surface Finish



APPLICATION RANGE



Specialized for

LFV technology

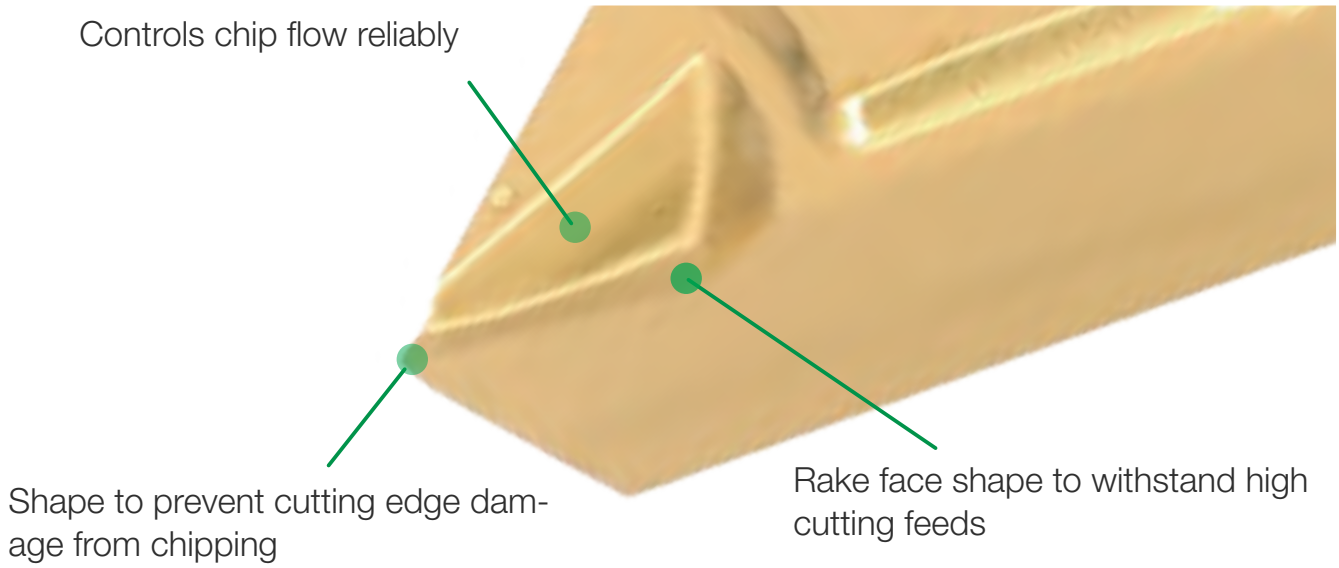
* LFV is a registered trademark of Citizen Watch Co., Ltd.

VIBRATION MACHINING: THE UNARGUABLY PREMIER CHIPBREAKER SOLUTION

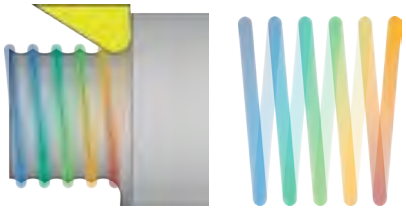
TMV-WP Chipbreaker

Designed for both vibration and conventional machining, ensuring stable chip evacuation, consistent performance, and extended tool life in demanding applications.

TMV-WP insert, with built-in wiper, delivers superior surface finish even at high feed rates, contributing to longer tool life by enabling increased feed.

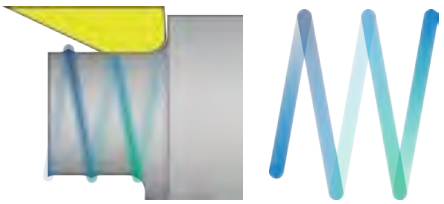


Conventional Tool Path Length



Conventional feed: 0.00197 ipr (**0.05 mm/rev)**
Tool path length: 1236" **(31.4 m)**

TMV-WP Halves Your Tool-Path Length at High Feeds



TMV-WP feed: 0.00394 ipr **(0.10 mm/rev)**
Tool path length: 618" **(15.7 m)**

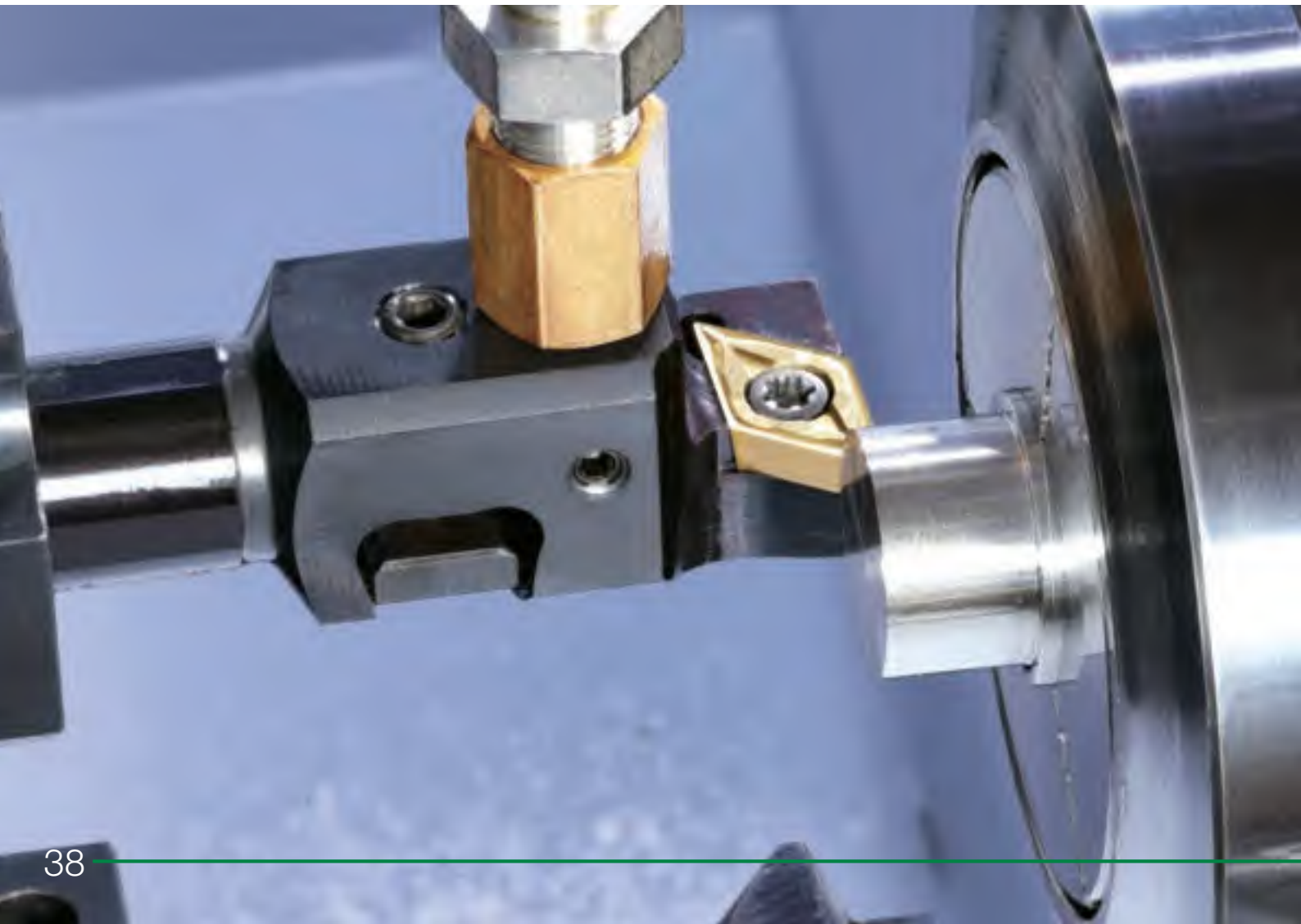
Faster cycle times thanks to higher feed rates

Wiper geometry preserves a fine surface finish

Higher feed = shorter tool-path length = longer tool life

SPECIAL HOLDER SERIES DESIGNED FOR PRECISE Y-AXIS CUTTING EDGE ADJUSTMENT

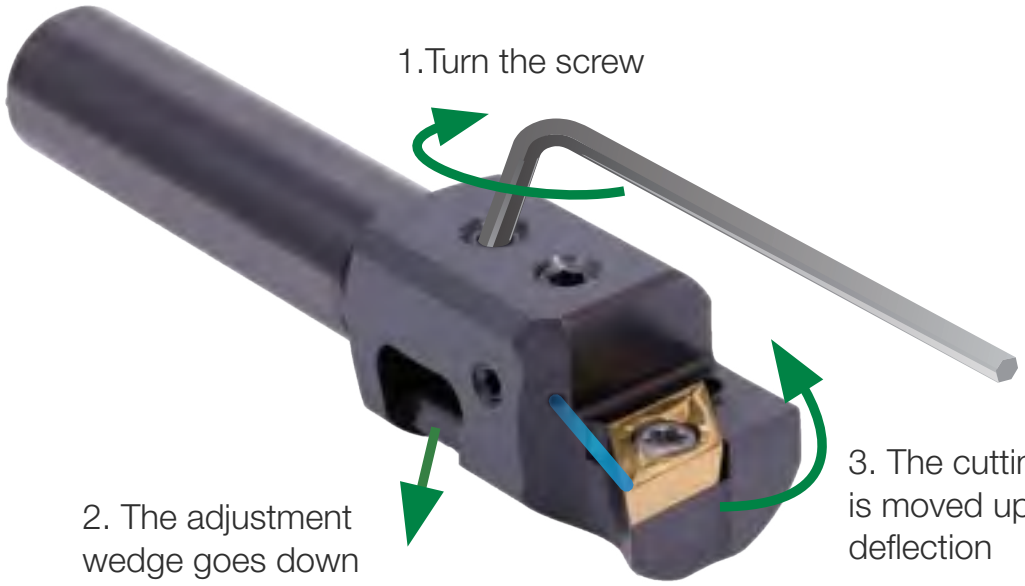
For machines without Y-2 Axis capabilities



DS-ACH-OH toolholder series

Wedge mechanism adjusts centerline height of the cutting edge by turning a set screw with a wrench

Range of centerline adjustment: 0 - 0.008"
Height adjustment of the cutting edge is done by turning a screw and bending the tip of the holder with a wedge mechanism.
Patented holder design improves rigidity, compared to conventional holders, to eliminate vibration



The new toolholder series features an internal oil-through coolant system that delivers fluid directly to the cutting tip, improving chip evacuation and thermal control during turning operations.

Angle of rotation	Cutting edge height Increase
180°	0.002"
360°	0.004"
540°	0.008"
720°	0.012"

ADDFORCE CUT

Newly designed insert profile ensures unobstructed chip flow and consistent chip evacuation.

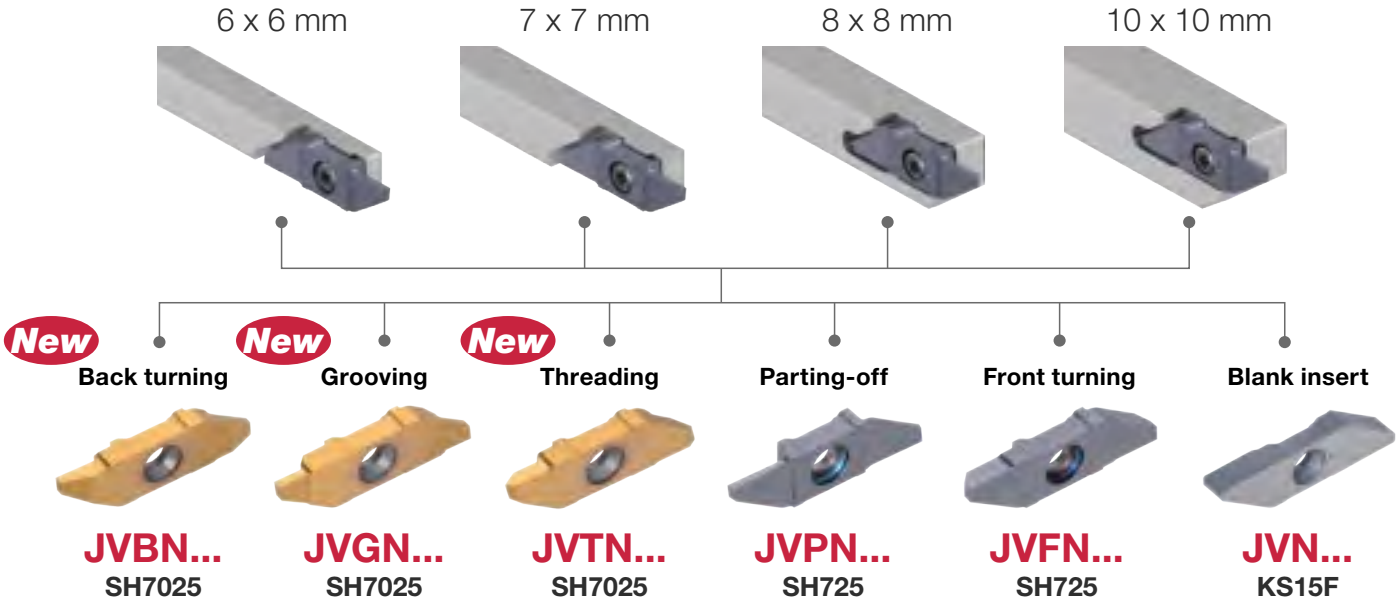
The insert is locked in three positions with the use of an insert stopper in the pocket. This design provides extremely rigid insert clamping.

QGM, ***QGS*** and ***QTX*** inserts
CW = 0.079", 0.118", 0.157", 0.197", 0.236" and 0.315"
CDX Max = 1.299"

EXCELS IN A WIDE RANGE OF DEEP-GROOVING AND PARTING-OFF APPLICATIONS

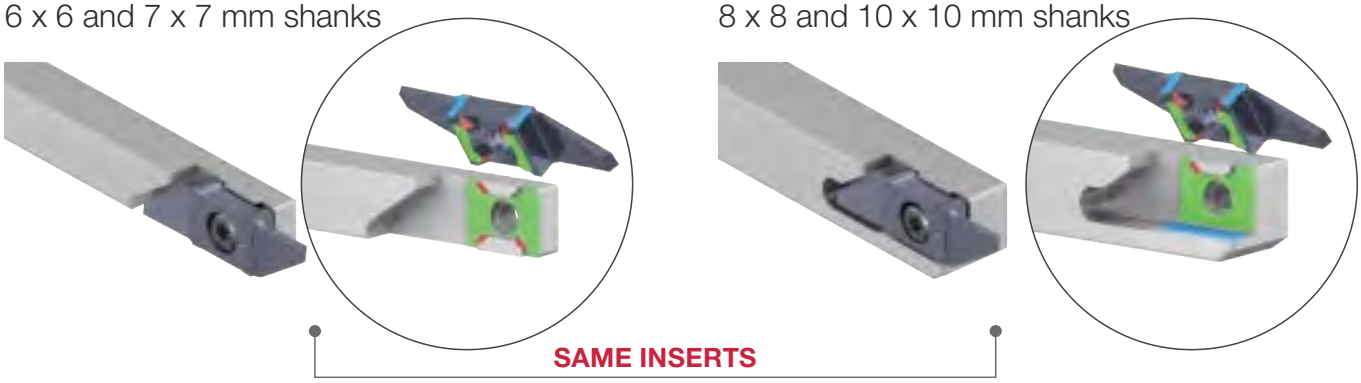
DUOFORCE CUT

New flexible tool series with unique insert clamping system.
Ideal for machining small parts with 0.472" (12 mm) or smaller diameters.



6 x 6 and 7 x 7 mm shanks

8 x 8 and 10 x 10 mm shanks



For turrets with radial tool arrangements

Groove widths available from 0.020" to 0.039" (0.5 to 1 mm)

A STEP FORWARD FOR TURNING AND GROOVING MINIATURE OPERATIONS

Flexibility and a wide range of operations with the new turning tool series for CNC automatic lathes and cam-driven lathes

INDEXABLE TOOLING SOLUTION FOR INTERNAL MACHINING OF SMALL DIAMETER BORES

TINY CUT INTERNAL

Internal grooving and thread turning tool series for bores as small as ø5 mm (ø0.197")

Tool body with through coolant technology.
It offers unmatched precision and edge repeatability,
thanks to its unique clamping system for rigid stability.

Featuring the latest PVD insert grade, **SH7025**, for superior surface quality and process security.

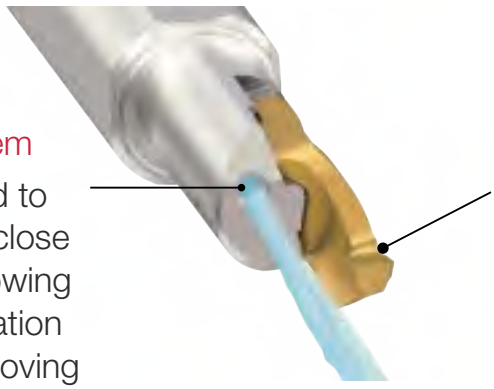
MGR
Grooving

MGR
Profiling (Full R)

MTR
Threading

FACEMINI CUT

Deep face grooving of up to 10 mm (0.393") DAXN (minimum face grooving diameter) and up to 9 mm (0.354") groove depth is possible



Internal coolant system

Coolants are directed to the optimal position close to the cutting tip, allowing excellent chip evacuation during deep face grooving

Effective chip redirector

Optimized geometry that effectively redirects chips out of the groove and to the side.

Eliminates bird nesting of chips during machining

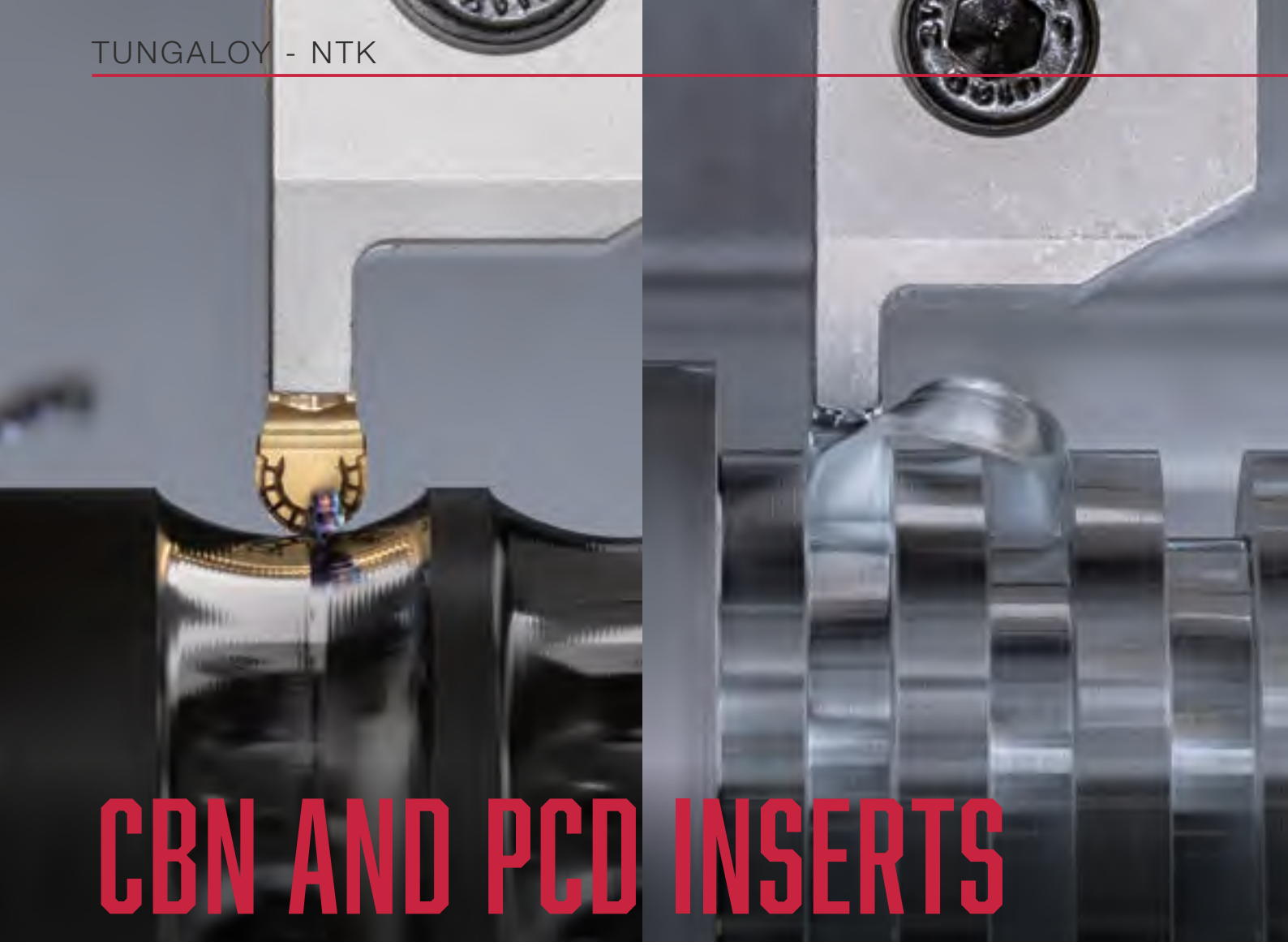
Effectively removes chips out of the cutting area and eliminates bird nesting.

Extremely rigid insert clamping ensures tool stability during deep face grooving operations.

Sharp cutting edge, combined with **SH7025**, the latest PVD grade, provides long tool life and superior surface quality.

MFGR10

SUPERB DEEP FACE GROOVING TOOL SERIES

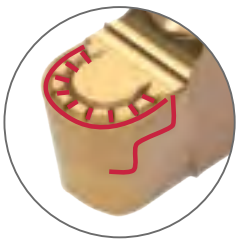


CBN AND PCD INSERTS

TUNGCUT

*New 3D chipbreaker inserts: **CBN-tipped** for profiling hardened steel parts, **PCD** for grooving and groove-turning non-ferrous metals.*

New

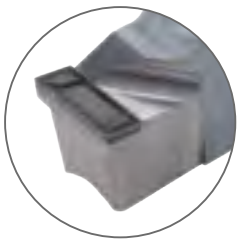


WavyJoint technology ensures secure CBN tip bonding.

CBN STR type

Profile insert with 3D chipbreaker that delivers excellent chip control during hard part turning.
CW = 3 - 5 mm (0.118" - 0.197")

New



PCD STX type

PCD insert for grooving and turning non-ferrous metals, featuring a 3D chipbreaker and chip guiding design for reliable chip control. Available in right- and left-hand versions.
CW = 2 - 5 mm (0.079" - 0.197")

SAME PERFORMANCE SMALLER SIZE

TUNGSHORT CUT

Double-ended small-size internal grooving inserts with exceptional features

Enhanced chatter resistance is achieved through optimized screw placement, which strengthens the insert clamping capability.

Larger pockets facilitate more effective and smooth chip evacuation.

Toolholder series, featuring an internal coolant system, ensures optimal performance.

DGS*S
Lower cutting force and superior sharpness
CW = 0.8 - 3 mm
(0.031" - 0.118")

DTR*S
Full radius type
CW = 2 - 3 mm
(0.079" - 0.118")

STV*S
For profiling applications

S-CTIRS-H

QC-JTTER/LS

CTIRS**

HIGH-FEED MILLING CUTTERS

ADDFEED

Small diameter high-feed milling cutter for expanded application coverage, featuring cutter bodies as small as ø0.375"

Cutter bodies:

Shank type: **EXN02R...** (Short type)
EXN02RL** (Long type)
DCX = ø0.375" - ø1.000"

Modular type: **HXN02R...**
DCX = ø0.375" - ø0.750"

LNMU02-MM

Double-sided,
4-edged insert
APMX = 0.020"

video

e-catalog

FOR MAXIMUM PERFORMANCE

DOFEED TRI

The cutter's small entry angle ensures smooth material access, perfect for long reach applications

Cutter bodies:

Bore type: **TXWX03** DCX = ø1.500" - ø2.000"
TXWX06 DCX = ø2.000" - ø4.000"
Shank type: **EXWX03** DCX = ø0.625" - ø1.250"
Modular type: **HXWX03** DCX = ø16 – ø40 mm

MM
For General purpose chipbreaker APMX = 0.039" - 0.059"

ML New
For low cutting forces chipbreaker APMX = 0.039"

MS New
For stainless steel chipbreaker APMX = 0.039"

TUNGFORCE TUNGFREC

ADVANCED SHOULDER MILLING CUTTER

Extremely secure insert clamping, V-shaped design prevents insert movement during machining.

AVGT06

Max. depth of cut:
0.255" (6.5 mm)

Cutter bodies:

Shank type:

EPAV06

DC = ø0.313" - ø1.00",
ø8 – ø32 mm

Modular type:

HPAV06-M/S

DC = ø10 – ø16 mm

Bore type:

TPAV06

DC = ø40 mm

AVMT04

Max. depth of cut:
4 mm

Cutter bodies:

Shank type:

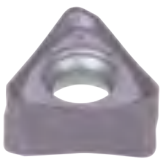
EPAV04

DC = ø6 – ø16 mm

DOFORCE TRI

COST EFFECTIVE SHOULDER MILLING

Innovative 6-edged inserts provide stable cutting performance and maximize tool life.



TNMU07-MJ

Max. depth of cut:
0.255"
with built-in wipers

Cutter bodies:

Shank type:

EPTN07

DC = ø0.750" - ø1.500"

Bore type:

TPTN07

DC = ø2.000"

TN*U12-MJ

Max. depth of cut:
0.433"
with built-in wipers

Cutter bodies:

Shank type:

EPTN12

DC = ø1.250" - ø1.500"

Bore type:

TPTN12

DC = ø2.000" - ø6.000"

TUNGMEISTER

MORE THAN 25,000 POSSIBLE COMBINATIONS

Easy and accurate head-holder coupling reduces tool-change time and provides highly accurate cutting-point repeatability

Supports a wide range of machining applications, including square shoulder milling, high-feed milling, ball nose milling, chamfering, hole making, slotting, and more.

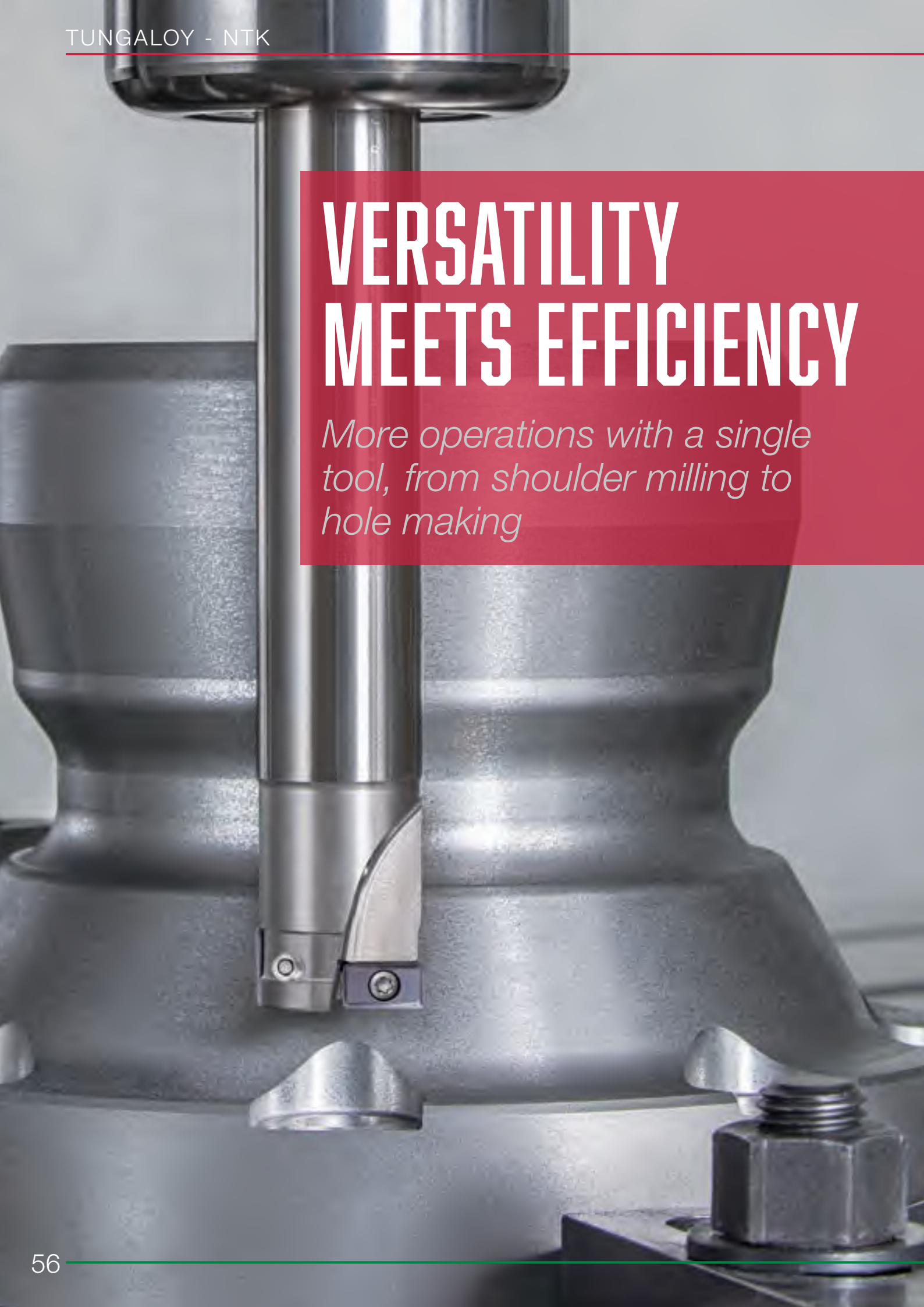
A flexible combination of interchangeable heads and holders enables the optimum tool assembly for each application.

Multi-functional heads rreduce machining time through optimized toolpaths

VVFH

DC = ø6 – ø10 mm (ø0.236" - ø0.394")

- Square endmill significantly enhances drilling capability
- Improved chip evacuation
- Irregular helix flutes help eliminate vibrations, allowing process security during slot milling



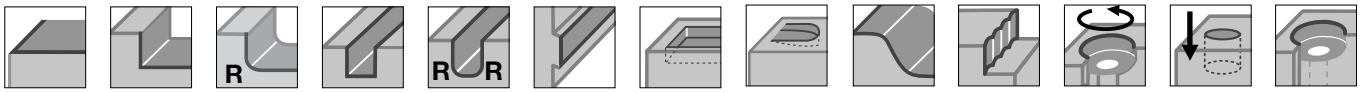
VERSATILITY MEETS EFFICIENCY

More operations with a single tool, from shoulder milling to hole making

ULTI DOMREC

Innovative four-edged inserts provide ultimate machining flexibility and economy. All-round cutter with center cutting capability provides ultimate machining versatility

Application capabilities



Face milling | Shoulder milling | Shoulder milling (with R) | Slotting | Slotting (with R) | Side milling | Pocketing | Ramping | Profiling | Plunging | Hole enlarging | Drilling | Counterboring

Cutter bodies:

Shank type: **EVLX06/08/10/12/16/19…** (Short type) DC = ø0.500" - ø1.500", ø12 – ø40mm
EVLX06/08/10/12/16/19L** (Long type) DC = ø0.500" - ø1.500", ø12 – ø40mm
Modular type: **HVLX06/08/10/12/16…** DC = ø12 – ø33mm

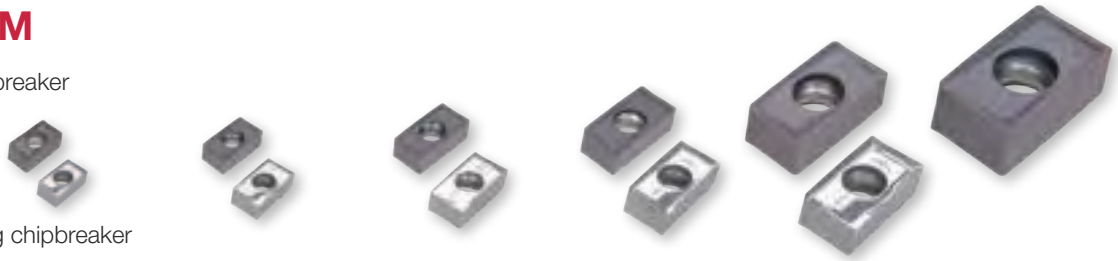
LX*U-MM/AM

General-purpose chipbreaker

MM

AM *New*

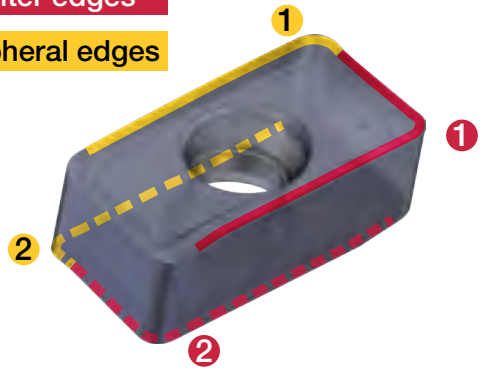
Non-ferrous machining chipbreaker



Tool dia. DC	ø12 mm, ø13 mm, ø0.500"	ø16 mm, ø17 mm, ø0.625"	ø20 mm, ø21 mm, ø0.787"	ø25 mm, ø26 mm, ø1.000"	ø32 mm, ø33 mm, ø1.250"	ø40 mm, ø1.500"
APMX	0.197"	0.276"	0.354"	0.433"	0.571"	0.709"
Insert size	06	08	10	12	16	19

Two center edges

Two peripheral edges



A single insert can be used either for center edge or peripheral edge and can be used twice in each position – **four cutting edges for highest insert economy.**

UNBEATABLE CERAMIC CUTTER: AS SMALL AS Ø0.625" FEATURING 3 INDEXABLE INSERTS

JRF CUTTER

Enhanced clamping system prevents insert movement and ensures high stability during machining

Unique step chipbreaker: reduces flaking by lowering the cutting edge from the clamping surface of conventional tools (positive inserts)

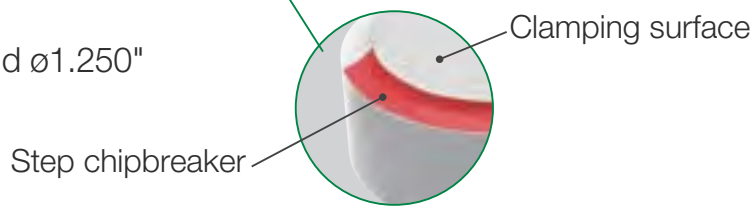
Cutter bodies:

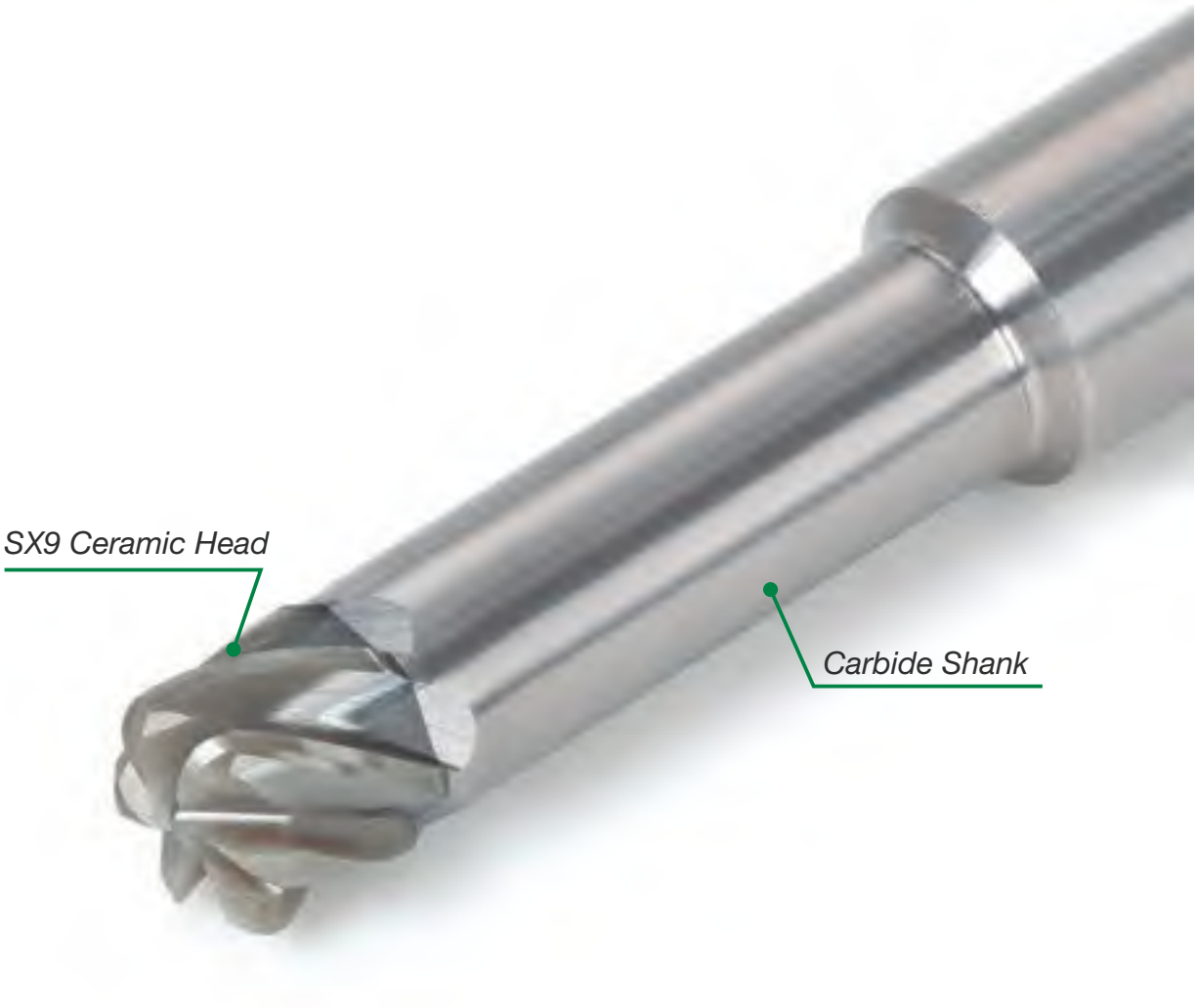
Shank type: **JRF...**

DCX = ø0.625", ø0.750", ø1.000", and ø1.250"

RNGF-HNF

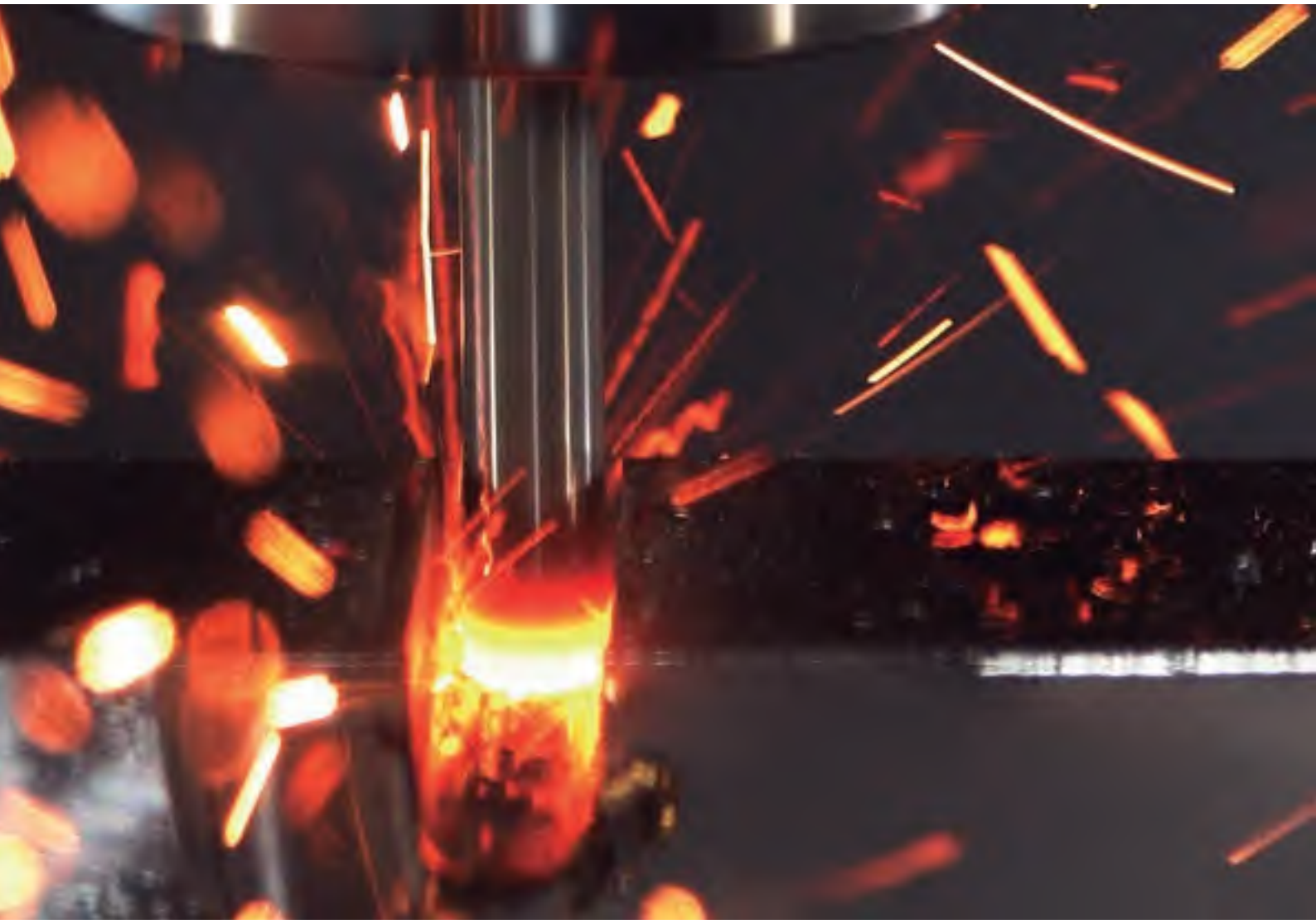
Double-sided
APMX = 0.039"
Available with **SX3** and **SX9** Ceramic grades





CERAMATIC Brazed

Brazed endmills combine NTK's wear-resistant SX9 SiAlON ceramic cutting head with a rigid carbide shank, enabling stable high-speed machining and reduced breakage risk when milling nickel-based alloys.



CERAMIC PERFORMANCE. ENHANCED STABILITY.

RCE-H4 (SX9)
4 Flutes
DC = ø0.250" - ø0.375",
ø6 mm - ø10 mm

RCE-J6 (SX9)
6 Flutes
DC = ø0.375",
ø8 mm - ø10 mm

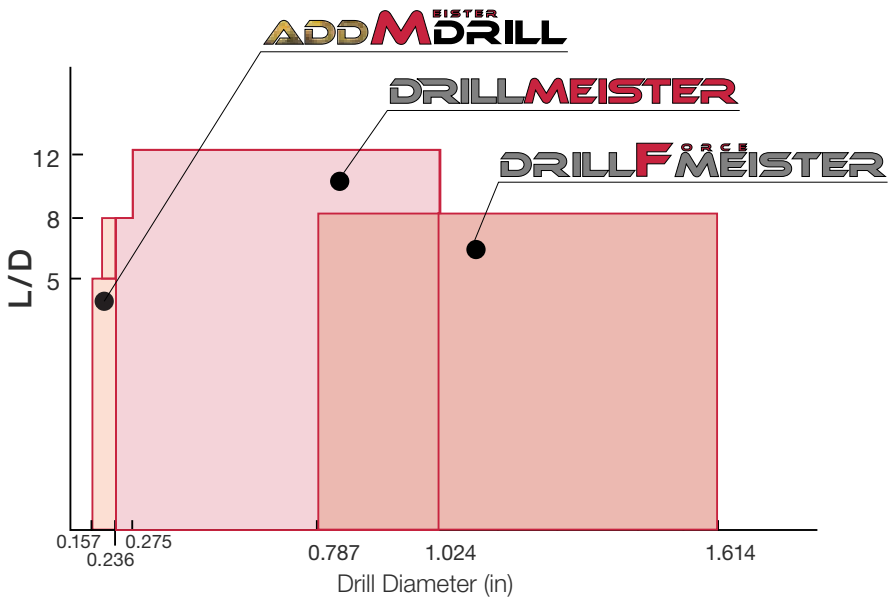
OUTSTANDING RANGE OF HEAD EXCHANGEABLE DRILLS

Exchangeable head drill systems for superior drilling performance and long tool life

Quick drill tip change for reduced machine downtime.

Tool inventory and management costs are significantly reduced as there is no need for regrinding.

Drill bodies are offered in a wide range of sizes and styles, allowing optimal tool assembly for secure and productive drilling.



ADDMEISTER DRILL

DMP

Drill dia.:
ø0.157" - ø0.232", ø4 - ø5.9 mm

General purpose drilling head ideal for various drilling applications

DMC

Drill dia.:
ø0.157" - ø0.232", ø4 - ø5.9 mm

High precision drilling head with self-centering chisel edge

New DMF

Drill dia.:
ø0.157" - ø0.232", ø4 - ø5.9 mm

180° flat edges for counterboring and flat bottoms

DRILLMEISTER

DMP

Drill dia.:
ø0.236" - ø1.020", ø6 - ø25.9 mm

General purpose drilling head ideal for various drilling applications

DMC

Drill dia.:
ø0.236" - ø1.020", ø6 - ø25.9 mm

High-precision head with double margin and self-centering edge

DMF

Drill dia.:
ø0.236" - ø1.020", ø6 - ø25.9 mm

180° flat edges for counterboring and flat bottoms

DMH

Drill dia.:
ø0.236" - ø1.020", ø6 - ø25.9 mm

General purpose head with enhanced cutting edge

DMN

Drill dia.:
ø0.268" - ø0.768", ø6.8 - ø19.5 mm

Drill head with sharp edges for non-ferrous materials

DMM

Drill dia.:
ø0.393" - ø0.783", ø10 - ø19.9 mm

General purpose drilling head for Stainless Steel materials

New DMR

Drill dia.:
ø0.393" - ø0.783", ø10 - ø19.9 mm

General purpose drilling head for Cast iron

DRILLFORCE MEISTER

SMC

Drill dia.:
ø0.787" - ø1.299", ø20 - ø33 mm

High precision drilling head with self-centering chisel edge

SMP

Drill dia.:
ø0.787" - ø1.614", ø20 - ø41 mm

General purpose drilling head ideal for various drilling applications

SMF

Drill dia.:
ø0.787" - ø1.614", ø20 - ø41 mm

For efficient drilling of flat-bottom holes

ON THE EDGE OF STABLE DRILL EFFICIENCY

Modular drill series featuring superb stability and high-rigidity during drilling, even in setups with long tool overhangs. While minimizing machine downtime through their quick tool change capability

TID-M

Drill dia.:
ø6 - ø18.9 mm
2xD and 3xD
TungFlex connection

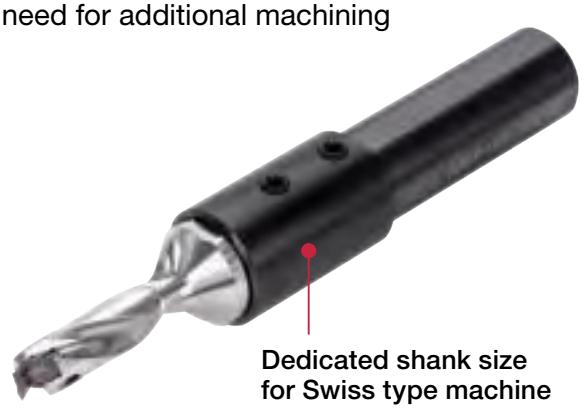
TID-S

Drill dia.:
ø6.5 - ø10.9 mm
2xD
TungMeister connection

BLM Sleeve

Dedicated design for Swiss type machines

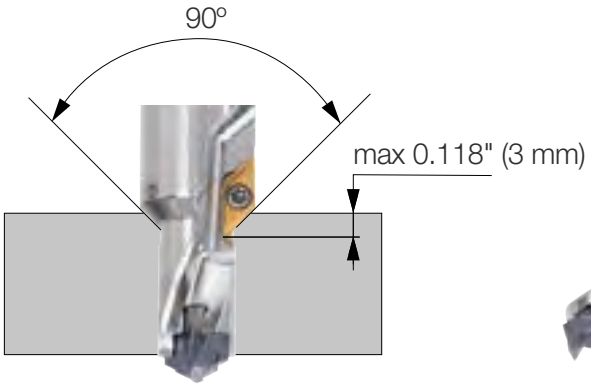
Enables the use of standard TID-F flange type bodies without the need for additional machining



Dedicated shank size for Swiss type machine

Stable chamfering capability with less chattering due to dedicated insert design for chamfering

Dedicated line up for pre-thread drilling of metric and UNF threads



TID-L-A-M

Drill dia.:
ø6.5 - ø16.9 mm
TungFlex connection
Drilling+Chamfering / pre-thread Drilling

INTRODUCING SPECIAL DRILLING TOOLS AND THEIR DRAWING SYSTEM

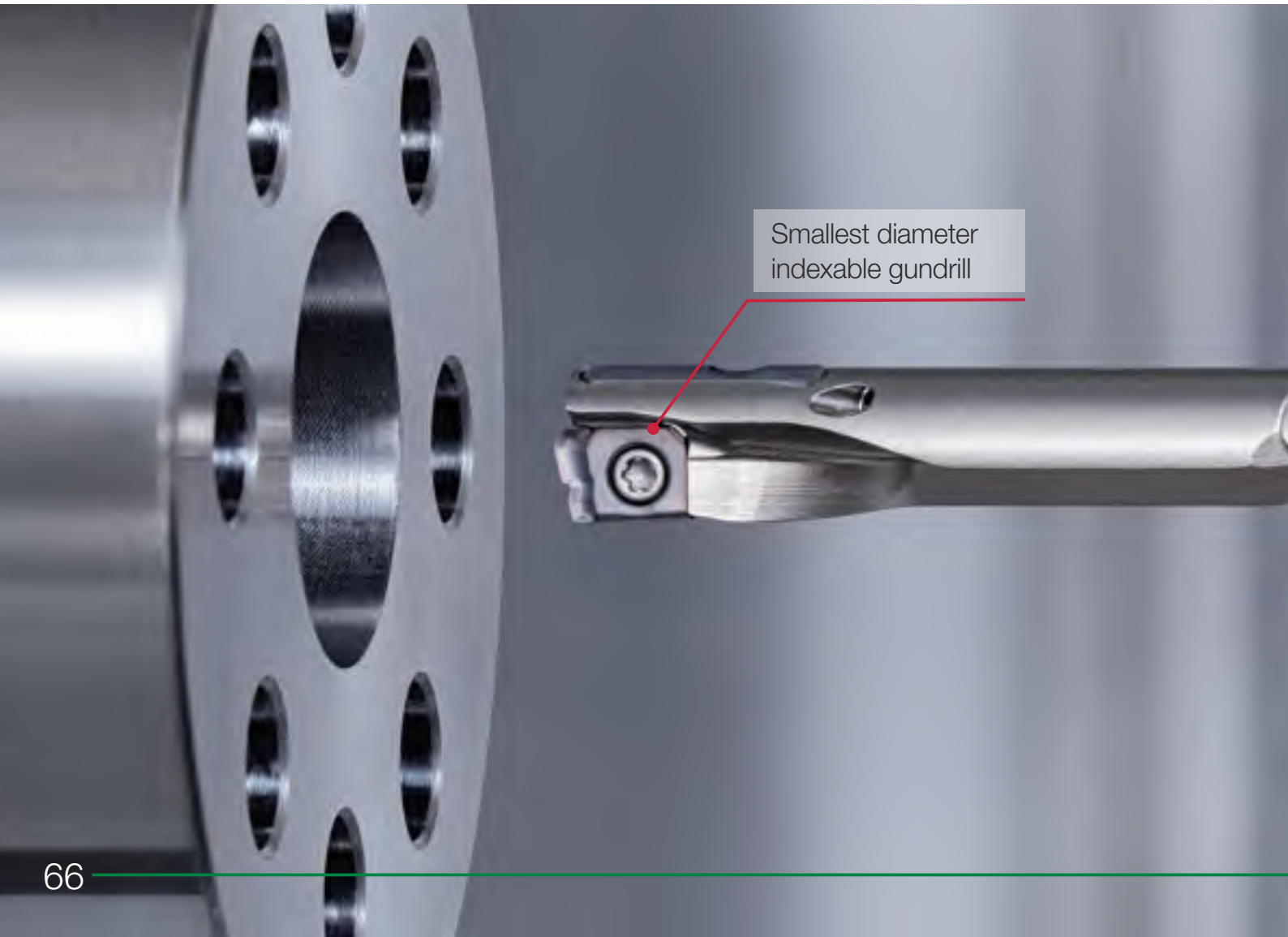
Discover Tungaloy's platform for creating simple diagrams instantly, anywhere. Explore the 'Drawing System for Special Drilling Tools'! Enter tool details to swiftly generate diagrams illustrating special drilling tools with chamfering or boring functions.

more info video

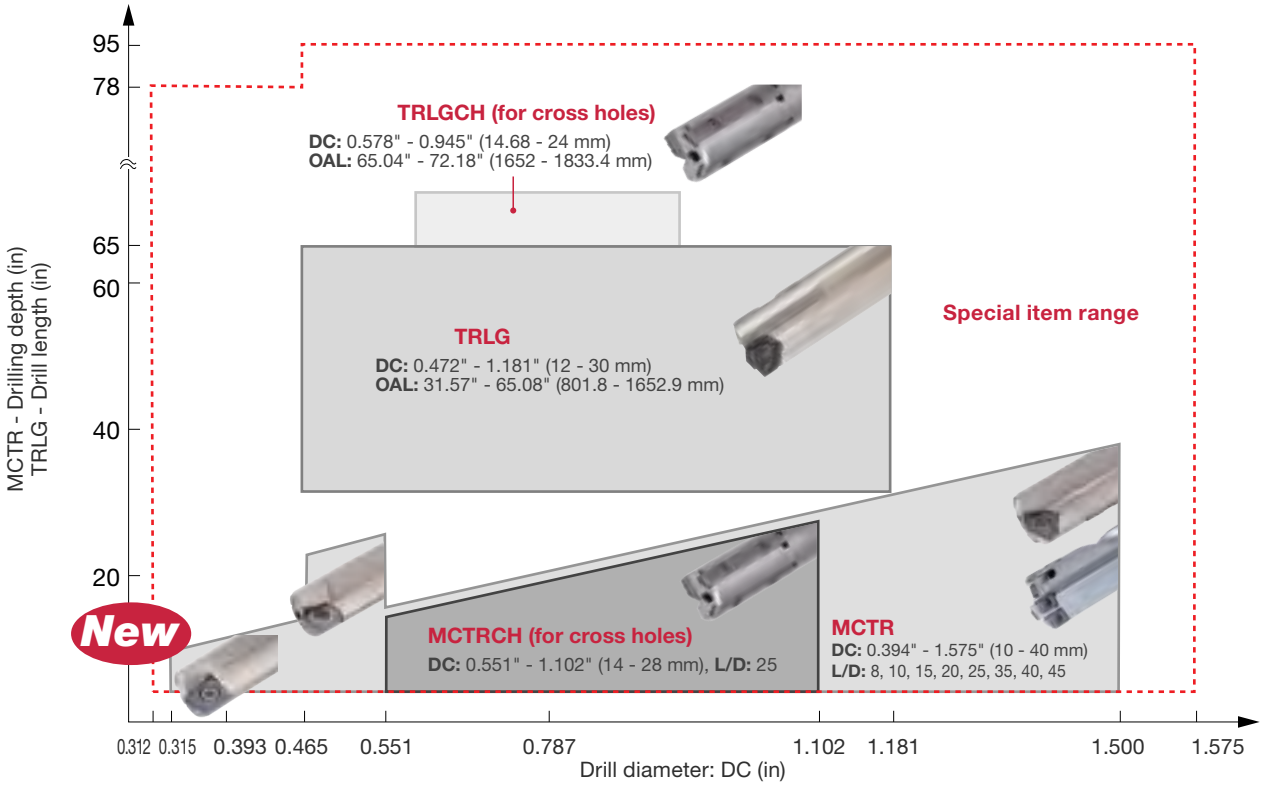
DEEP TRI DRILL

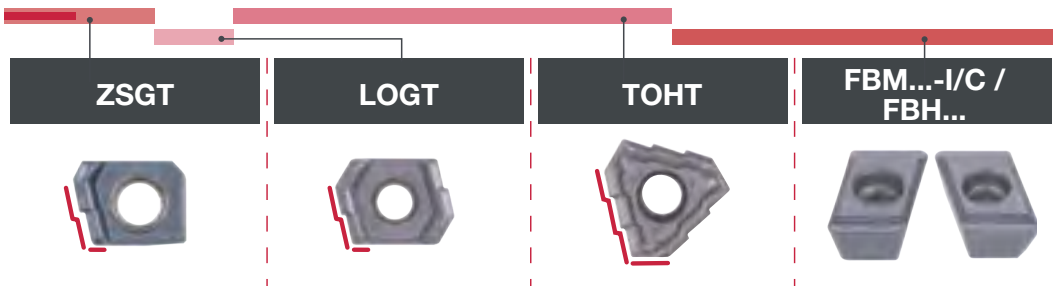
THE SMALLEST AND DEEPEST HOLES WITH AN INDEXABLE GUNDRILL

Wide range of indexable deep drilling solutions for your machining needs



Remarkable deep drilling solutions for gundrill machines, lathe and CNC machining centers to cover applications from 0.312" to 1.575" (7.94 mm to 40 mm)





ZSGT	LOGT	TOHT	FBM...-I/C / FBH...
Drill dia.: ø0.312" - ø0.465" ø7.94 - 11.8 mm	Drill dia.: ø0.465" - ø0.551" ø11.81 - ø13.99 mm	Drill dia.: ø0.551" - ø1.102" ø14 - ø28 mm	Drill dia.: ø1.102" - ø1.575" ø28.01 - ø40 mm
1 cutting edge chip splitter	2 cutting edges chip splitter	3 cutting edges chip splitter	2 cutting edges

REAMMEISTER

Exchangeable head reamer for H7 hole accuracy in ø10 - 32 mm and 1.5xD - 8xD

A quick-change twist lock mechanism allows for swift tool changes.

Increased productivity thanks to high speed machining.

Minimizes costs by eliminating the need for regrinding and recoating.

Eliminates unstable part quality and tool life due to inconsistent re-coating quality.

Head Geometries

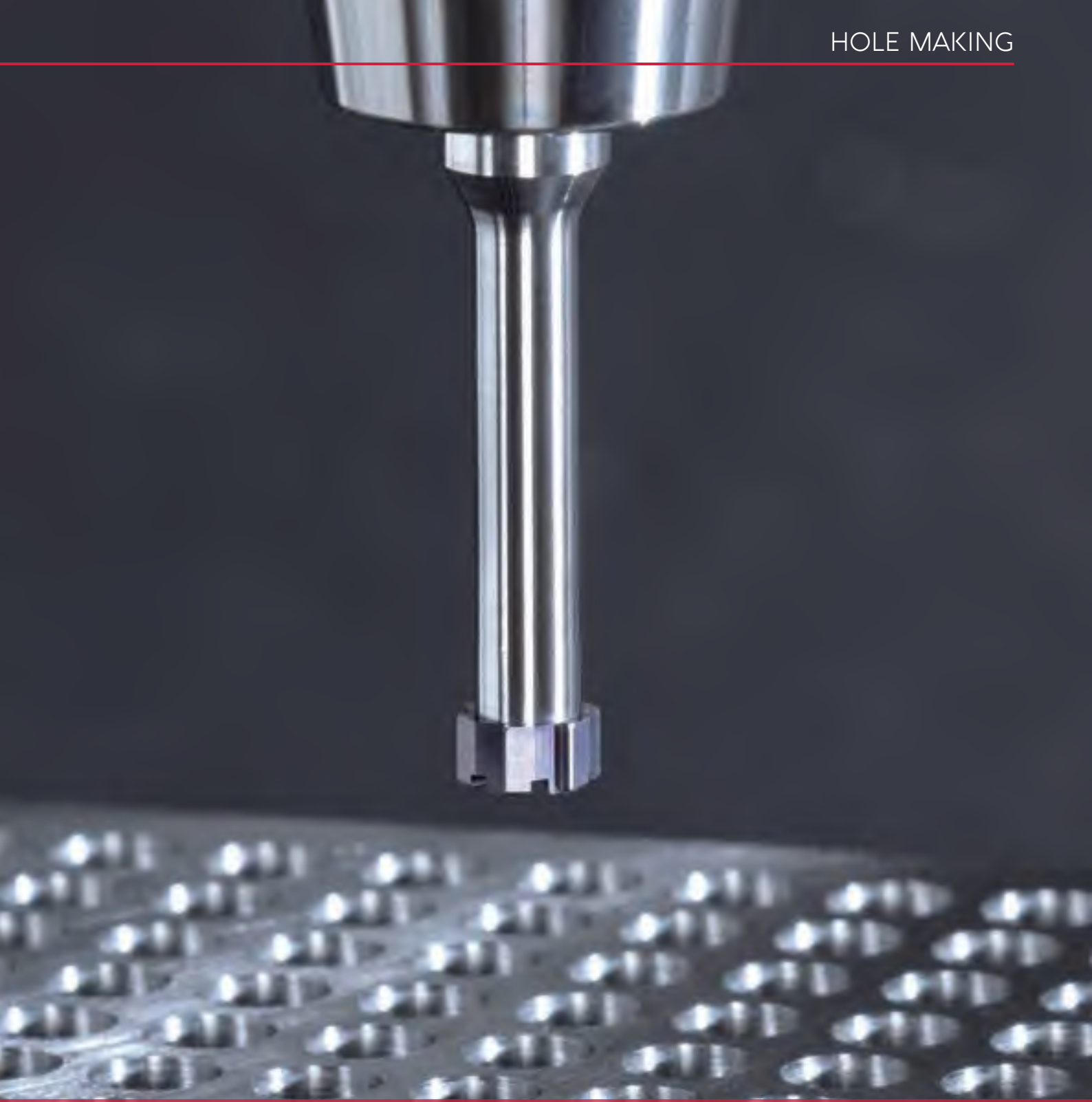
AS type
Tool dia.:
ø10 - ø32 mm
for blind holes applications

BL type
Tool dia.:
ø10 - ø32 mm
for through holes applications

Tools

Self-clamp system
Tool diameter: ø10 - ø11.499 mm
L/D: 3 and 5

Screw clamp system
Tool diameter: ø11.5 - ø32 mm
L/D: 1.5, 3, 5 and 8



NEW GENERATION REAMER FOR FINISHING HOLE OPERATION

MEET GABBY

YOUR AI ASSISTANT FOR TOOL SELECTION

Gabby is Tungaloy's AI-powered engineering assistant, designed to simplify how machining knowledge is accessed and applied.

By using natural-language interaction, users can quickly find tooling solutions, technical information, and machining guidance without navigating catalogs or complex product structures.

Simply describe your machining requirements and Gabby will help identify relevant solutions through an intuitive conversational experience.

STOP SEARCHING. START ASKING.

Fast Answers

Find tooling information quickly

Technical Knowledge

Access specifications and cutting data easily

Smart Recommendations

Receive solutions based on your specific needs

Member IMC Group Tungaloy

Members IMC Group NTK Cutting Tools

Questions?

Ask Gabby!

Tungaloy AI Assistant

Note: Gabby provides general guidance based on available technical data. Final tool selection and machining conditions should always be verified according to specific production requirements.

Member IMC Group
Tungaloy
Members IMC Group
NTK
Cutting Tools
Questions?
Ask Gabby!
Tungaloy AI Assistant
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