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MACHINE TOOLS**



SL35MC

**GET
THE
MOST
FROM
YOUR
TURNING
CENTER**



*High Precision Tool Holders And Spindle Units
For Most CNC Turning Machines*

- BARDONS & OLIVER • HITACHI SEIKI
- OMNITURN • BARUFFALDI •
- HURCO • PROEBA • BENZINGER
- HWACHEON • REPUBLIC LAGUN
- BOEHRINGER • HYUNDAI-KIA
- ROMI • BIGLIA • IKEGAI •
- SMT TRICEPT • CINCINNATI •
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- FA • TAKISAWA • CLAUSING
- JOHN FORD • TONGIL •
- DAEWOO • JONES & LAMSON •
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- SHIPLEY • VICTOR • ESCO •
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- MAZAK • WEILER • FAMAR
- MIGHTY SPINNER • FAMOT
- MILLTRONICS • FORTUNE •
- MIYANO • GARDNER & LEWIS
- MCWALDREMI • TORATON
- NAKAMURA • HAAS • NEW
- BRITAIN • HARDINGE • OKUMA
- BARDONS & OLIVER • HITACHI
- SEIKI • HURCO • PROEBA
- BENZINGER • CLAUSING
- JOHN FORD • TONGIL •



ITI TOOLING COMPANY INC.

37 Orchard St., Ramsey, N.J. 07446 1-888-88-INDEX



ITI TOOLING COMPANY INC. is a unique and experienced supply company, offering an extensive range of top-quality "Driven" and "Static" tool holding solutions for most CNC Lathes from around the world.

We supply the world's finest CNC Lathe Tool Holders, manufactured by companies who have been recognized as industry leaders for decades. Our clients have gained confidence in the quality and "know-how" that comes from our many years experience addressing a broad spectrum of applications in all industries. Applications that utilize not only our standard Tool Holders but also "Multi-Head" and "Multi-Spindle" Units, along with other custom designs, which have economically solved problems for today's more demanding, multi-tasking and highly competitive manufacturing environments.

We offer precision, top quality toolholders and spindle units designed as Bolt-on, VDI and other styles of mounting systems that are available and manufactured to meet the highest standards of quality using only the finest materials available.



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What we are made of...

Our focus is on the highest quality standards and utmost commitment to ensure the optimal design of our products in form and function. For this purpose, we systematically invest in state-of-the-art production lines and develop methods for quality assurance in cooperation with external institutions.

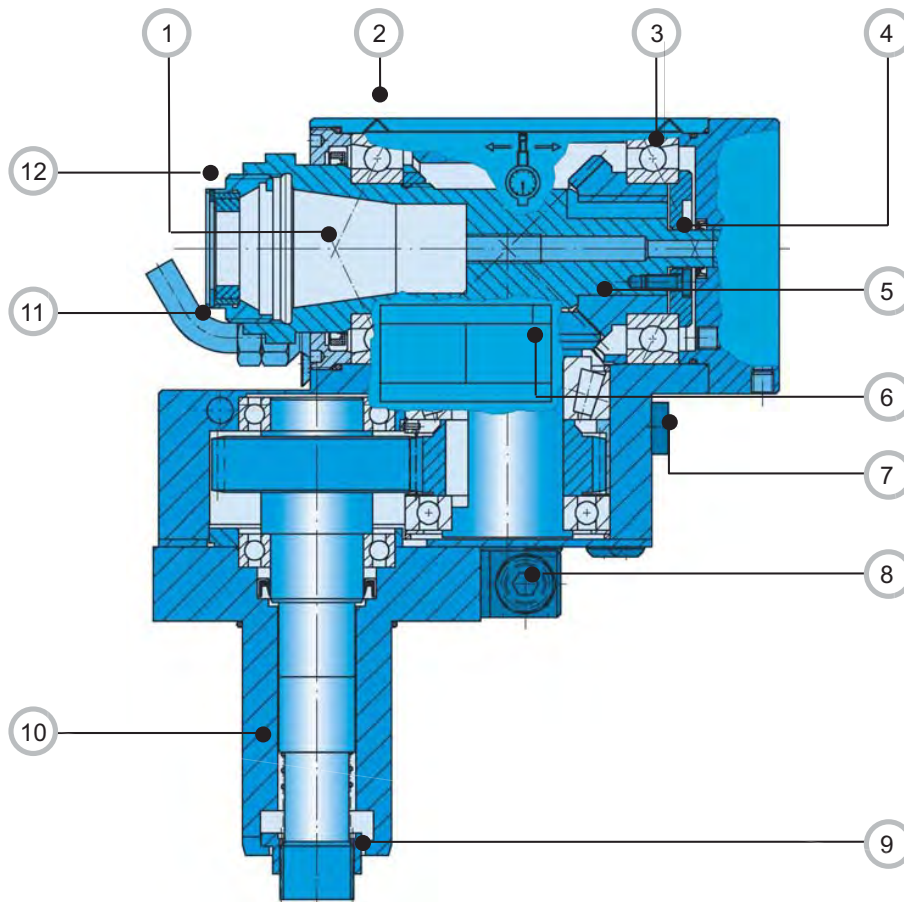
Competence and reliability in our advisory services, our daily communication and project management – these are the core elements convincing our customers of our performance and services over and over again.

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*Even the finest "state of the art" cutting tools used on the best lathes
are only as good as the **tool holders** that support them.*



Twelve reasons to specify ITI Tooling Co.

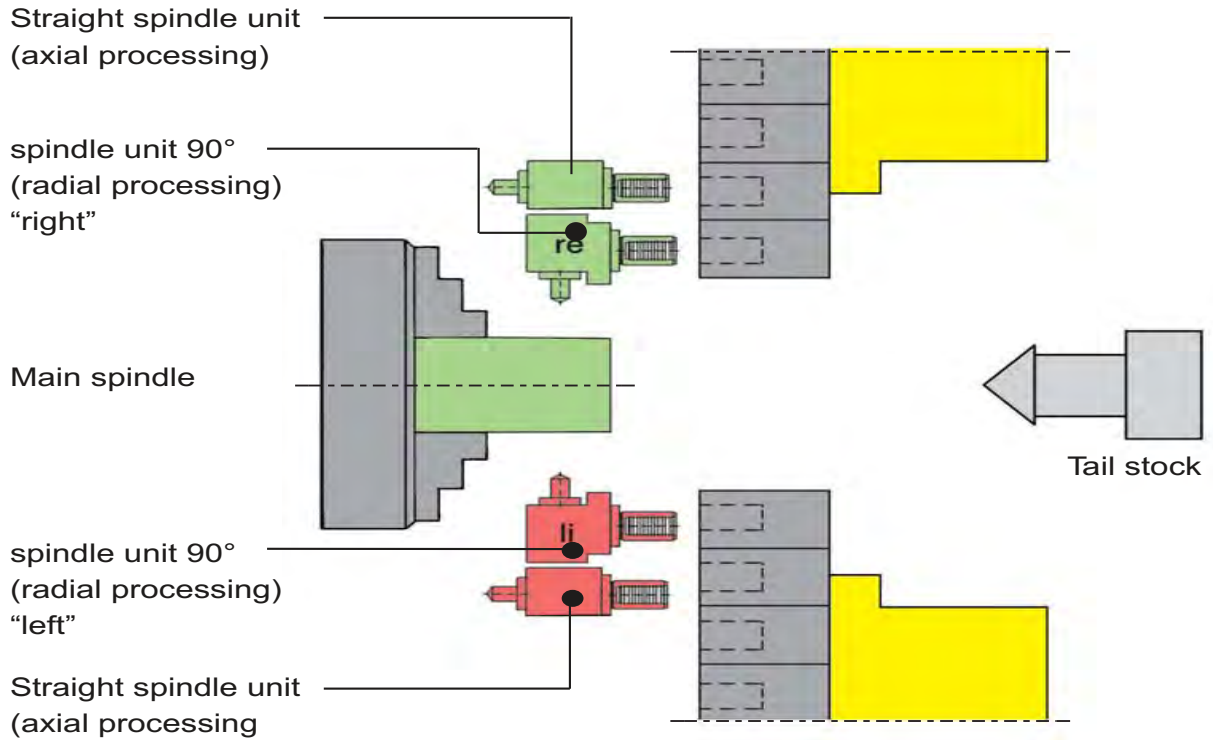


- | | |
|--|---|
| <ul style="list-style-type: none"> ① Highest possible rotational accuracy. ② Qualified datum surface for rapid alignment. ③ Optimum pre-loaded bearing configurations for maximum stiffness ■ ④ Patented high-pressure internal coolant delivery system. ⑤ High-precision gear train of optimum power and performance. ⑥ Laser etched identification plate. ⑦ Independent external coolant connection ■ ⑧ Unique “rapid-set” spindle alignment device to minimize tool change and set-up time. | <ul style="list-style-type: none"> ⑨ Patented spindle orientation detent for rapid tool drive engagement ⑩ Many units offered with a Universal mounting shank with double tooth rack for right-hand or left-hand operation ⑪ External coolant supply – can be individually fitted ⑫ Many units have a recessed collet clamping nit ensuring maximum stiffness and an optimum interference free zone |
|--|---|

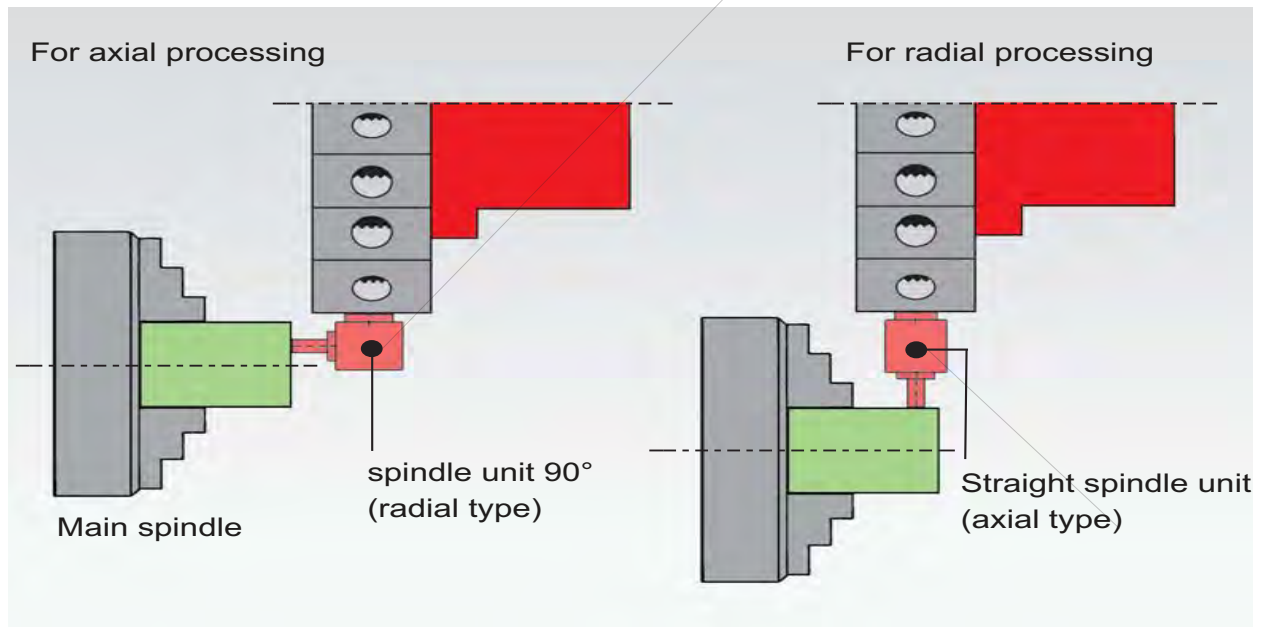
All spindle units undergo stringent monitoring during a running-in procedure testing, including thermal testing and prior to delivery, to ensure guaranteed performance immediately upon being placed into service.

1. Axial mounting on disc turrets

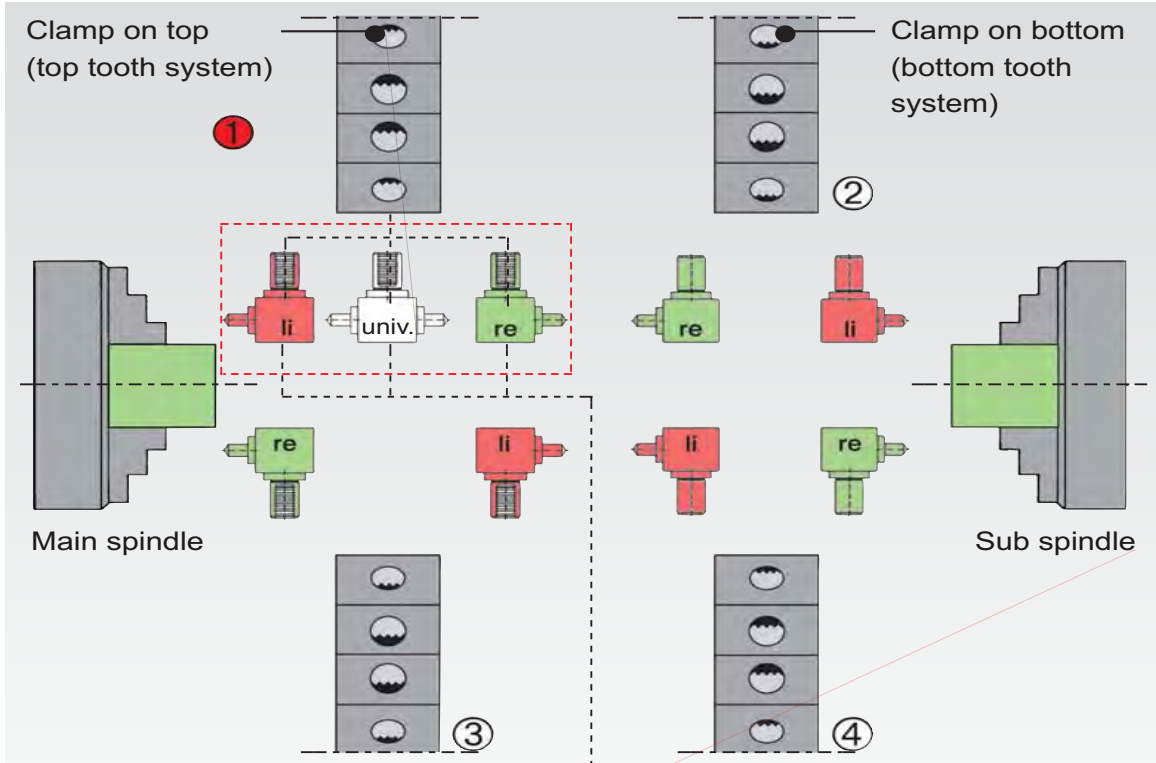
Orientation and designation of spindle units



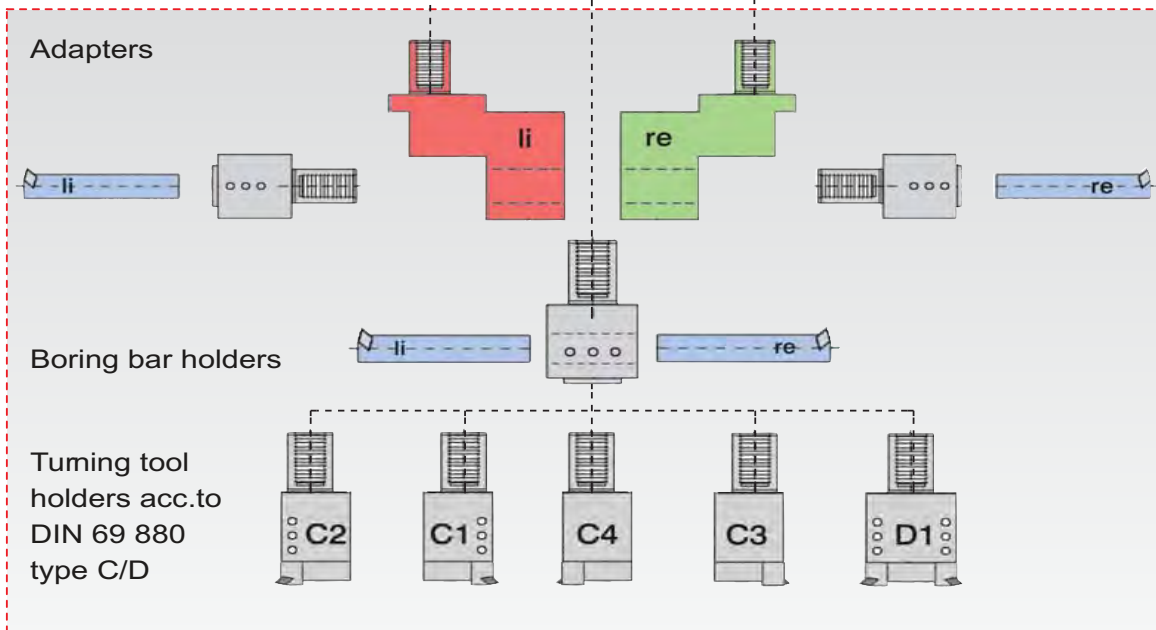
2. Radial mounting on disc turrets



Right / left / universal designation for spindle units



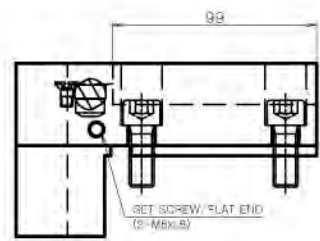
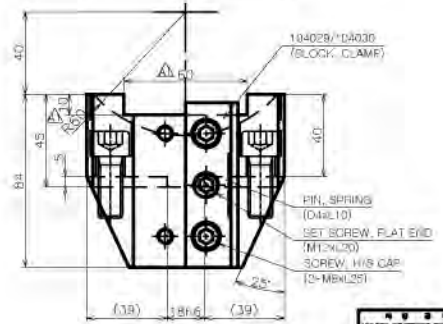
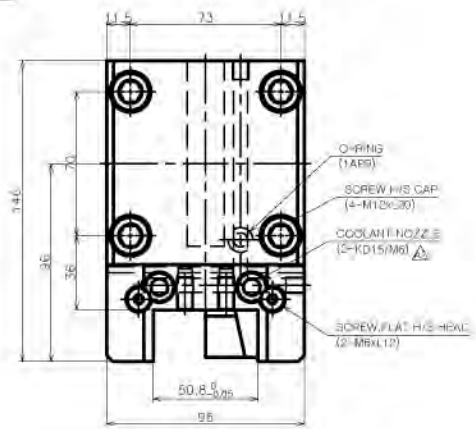
① Tool holder designation



MARK	DATE	EDD. NO.	DETAIL OF REVISION	CHECKED	APPROVED
△	05.09.02		1804-PC 88-INDEX 1791-2.8	4/3/02	



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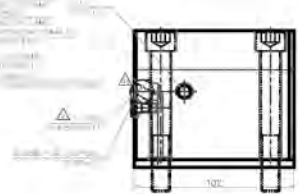
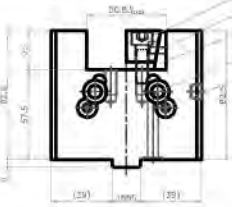
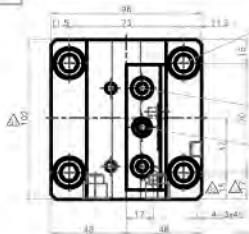


公差	HEAT TREAT	MATERIAL	MODEL
±0.05		SM45C	PL25MC
CLASS GR 1ST 2ND 3RD	SURF. TREAT	RAW MAT. SIZE	TITLE
0.5 - 0.025 0.1 0.3	BLACK OXIDATION FILM		OD TOOL HOLDER(IN)
5 - 30 0.1 0.2 0.8	REF. NO.	SCALE	QTY
30 - 120 0.15 0.3 0.8		1/1.5	
120 - 315 0.2 0.8 1.2			
315 - 1000 0.3 0.8 3			
1000 - 2000 0.5 1.2 3	J.W.PARK	J.W.PARK	
公差			
SCALE			
ANGLE TOL. GEN. CH.	2005.01.02	2005.01.02	

HEAT TREAT	MATERIAL	MODEL	
SURF. TREAT	RAW MAT. SIZE	TITLE	
REF. NO.	SCALE	QTY	
J.W.PARK	J.W.PARK		
DWG NO.	2.18BMT254DL40(1)		REV. NO.
			A3

5.65254HC09(2)

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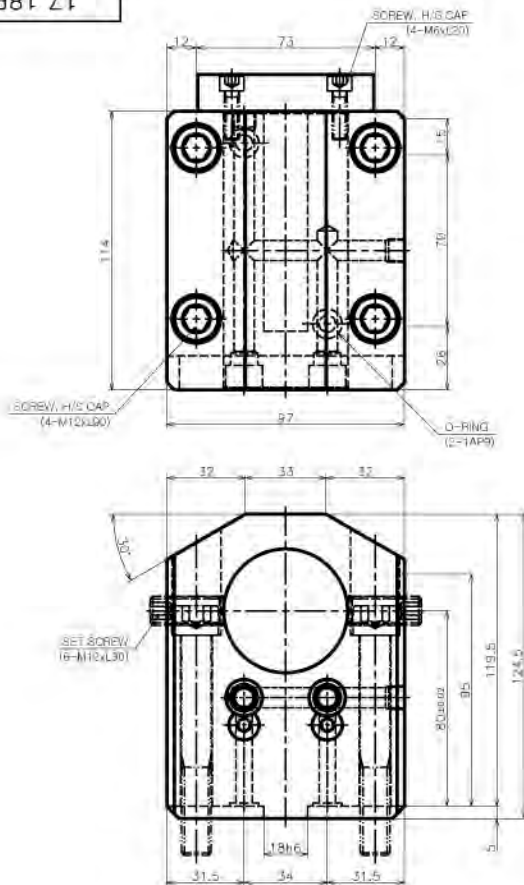


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J.W.PARK	J.W.PARK	Aa																																																																										
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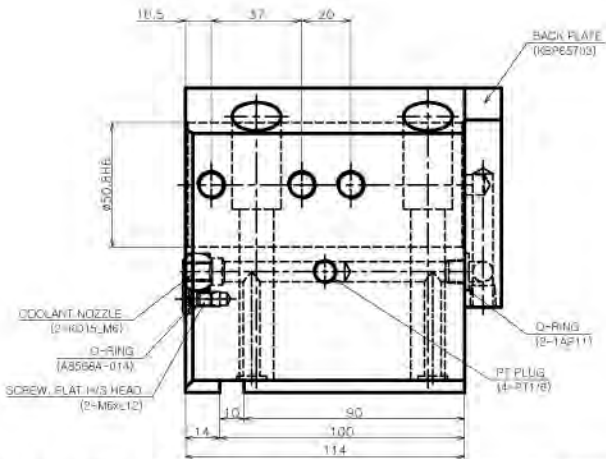
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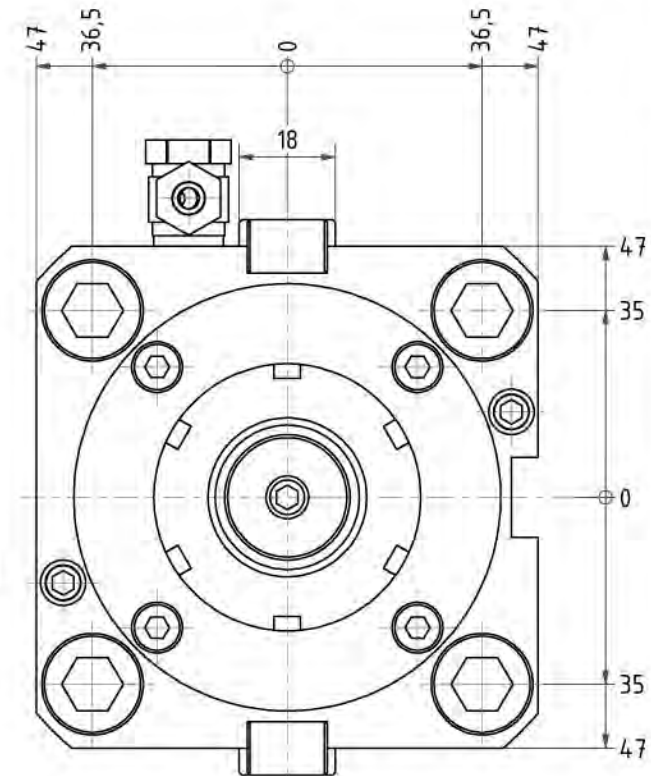
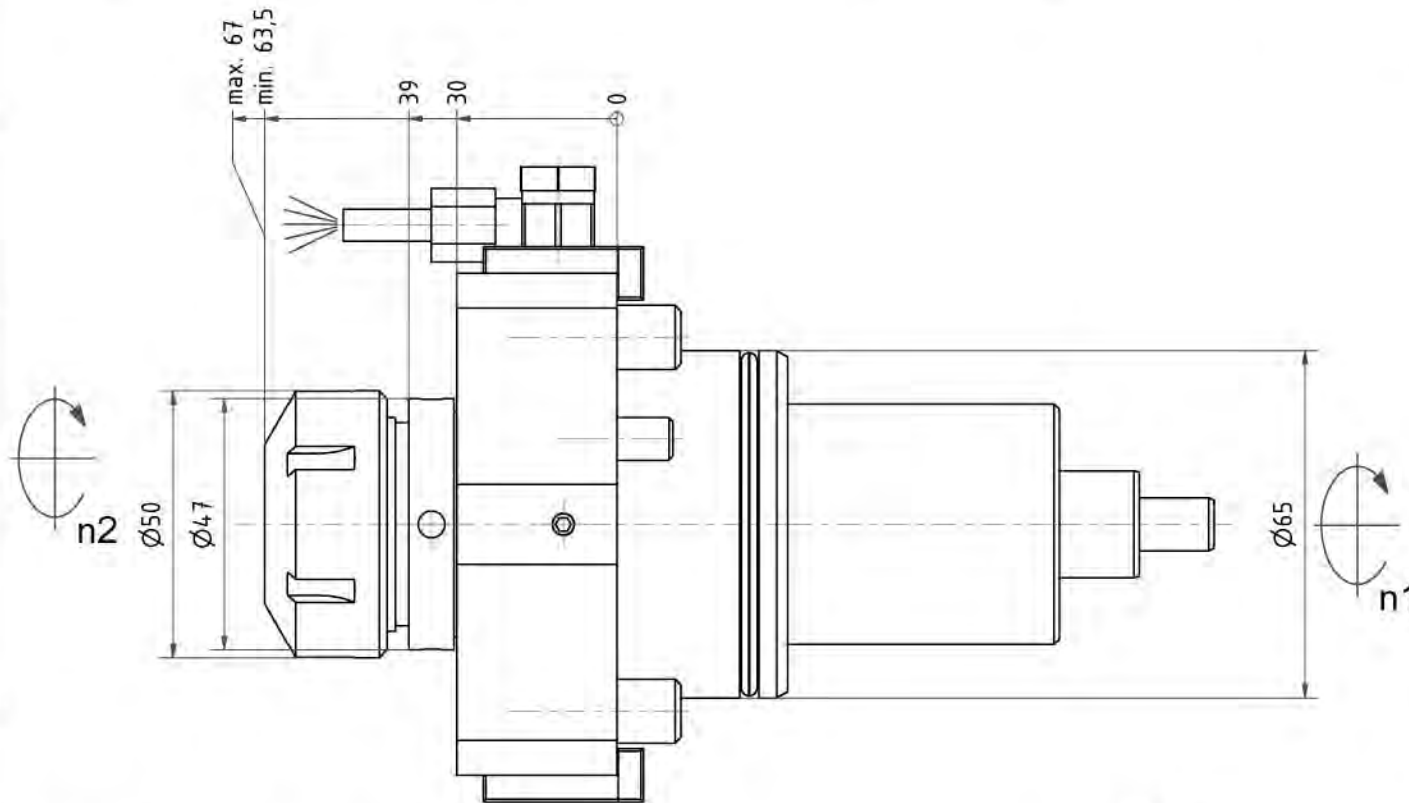
MARK	DATE	ECO. NO	DETAIL OF REVISION	CHECKED	APPROVED
△					



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UNLESS OTHERWISE SPECIFIED	HEAT TREAT				MATERIAL		MODEL		
	CLASS	1ST	2ND	3RD	SM45C	PL35MC	TITLE		
0.5 - 0.005	0.1	0.2			SURF. TREAT		BLACK OXIDATION FILM		U-DRILL HOLDER MILL, INCH
0.5 - 30	0.1	0.2	0.5		RAW MAT. SIZE		SCALE		
30 - 120	0.15	0.3	0.8		REF NO.		1 / 1.5	QTY	1
120 - 315	0.2	0.5	1.2		S.W.GYE		J.W.PARK		DWG NO. 17.18BMT508X80IK 1/1
315 - 1000	0.3	0.8	2		10.01.21		10.01.21		
1000 - 2000	0.5	1.2	3		GEN. TOL				
ANGLE TOL	GEN. CH.								

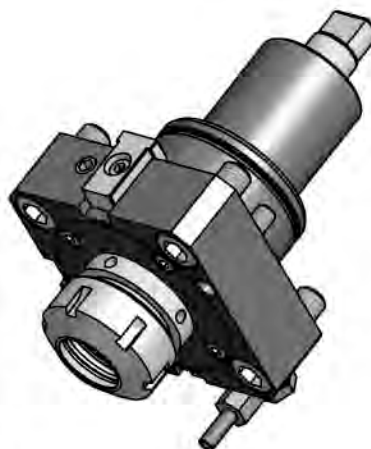


Spannzange / collet ER32 DIN6499
 Spannbereich / clamping range: 2,0 - 20,0

Gewindebohrzange / tapping collet
 ET-1-32 M5-M12



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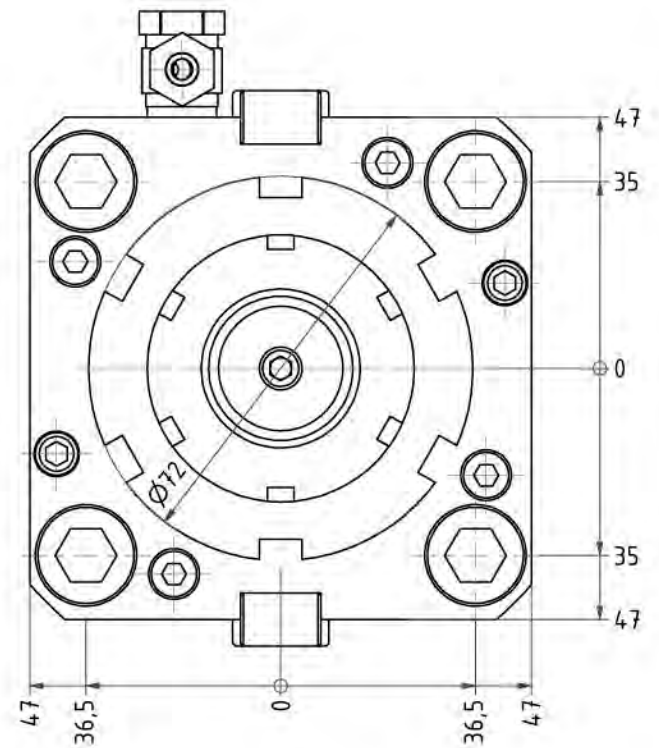
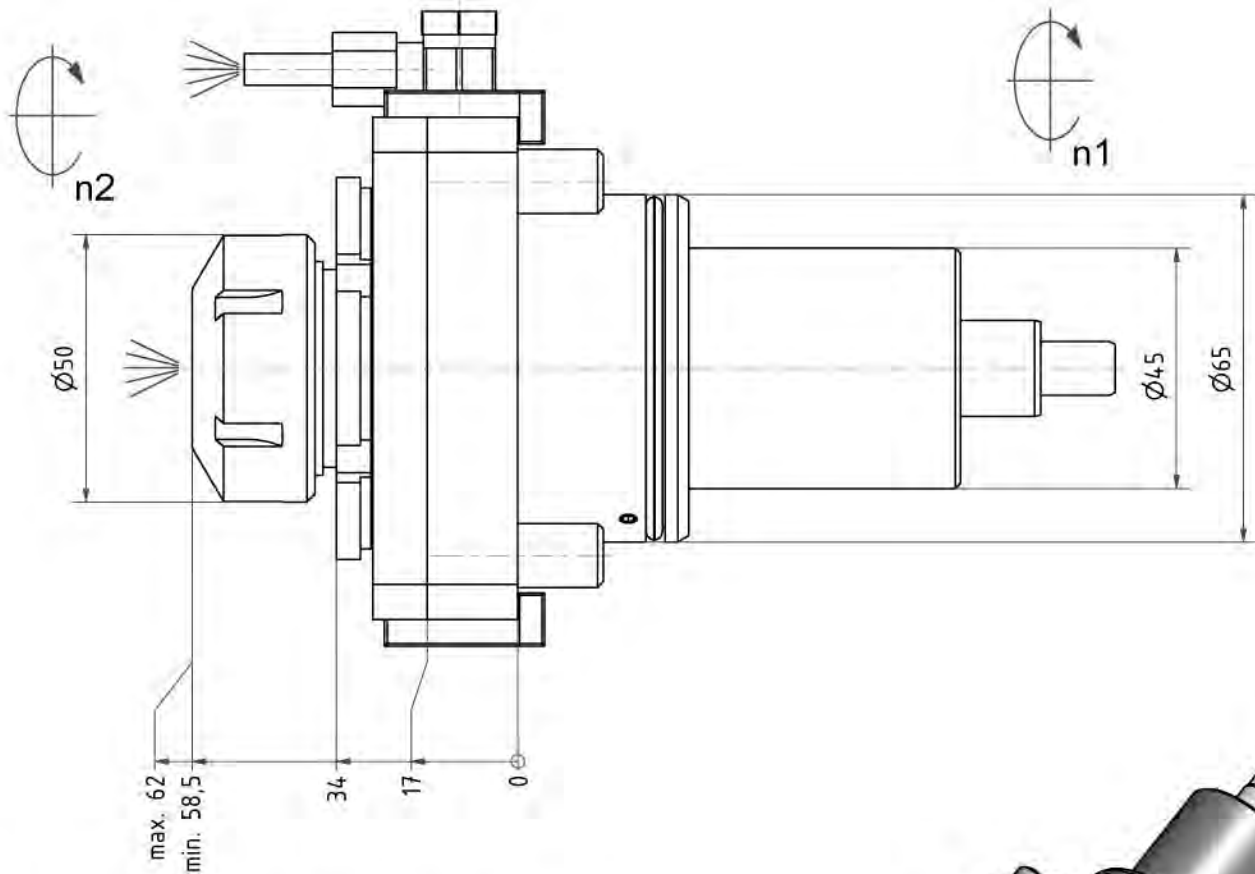
Hakenschlüssel
 mit Zapfen
 Hook wrench
 with fixed pin
 DIN1810 B 45x50



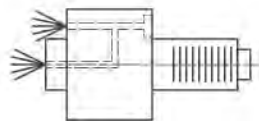
Spannzangenschlüssel
 Clamping wrench
 232

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 Zuwiderhandlungen verpflichten zu Schadenersatz.

Bemerkung - Note	Technische Daten - Technical data M1 / M2 = 50 / 50 Nm n1 / n2 = 6000 / 6000 1/min i (N1:N2) = 1:1	Benennung - Title Axial Bohr und Fräskopf Axial drilling and milling head	name	date	Technische Änderungen vorbehalten! Subject to technical modifications!	DIN A3
			drawing	12.02.2007		
			Nr. 40.65321809DW02			
			File: 40.65321809DW02_OUT.lxd		Blatt - page 1 (1)	



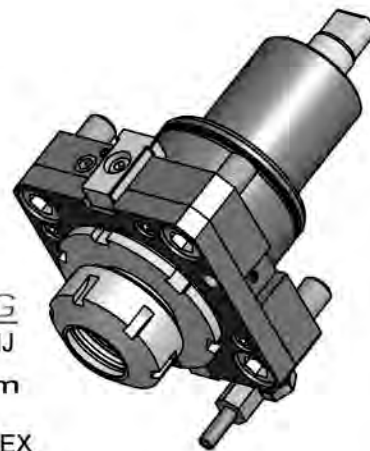
Spannzange / collet ER32 DIN6499
Spannbereich / clamping range: 2,0 - 20,0



Inner- und Außenkühlung / Inside and outside coolant supply
Kein Trockenlauf / No dry run
Kühlmittelfiltration < 50µ / coolant filtration < 50µ



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Hakenschlüssel
mit Nase
Hook wrench with
nose end
DIN1810 A 68x75



Spannzangenschlüssel
Clamping wrench
232

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Bemerkung - Note
Nicht ohne Kühlmittel betreiben!
Not for use without coolant-fluid!

Technische Daten - technical data
M1 / M2 = 50 / 50 Nm
n1 / n2 = 6000 / 6000 1/min
i (N1:N2) = 1:1
pmax = 25 bar

Benennung - Title
Axial Bohr und Fräskopf
Axial drilling and milling head

name	date
drawing CAD	08.02.2007

Technische Änderungen vorbehalten!
Subject to technical modifications!

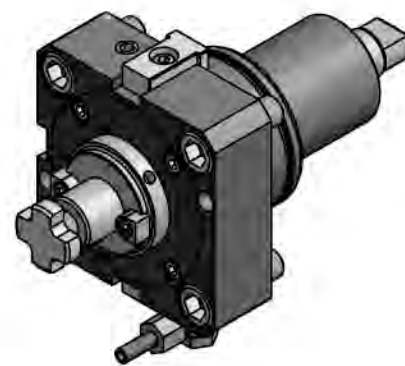
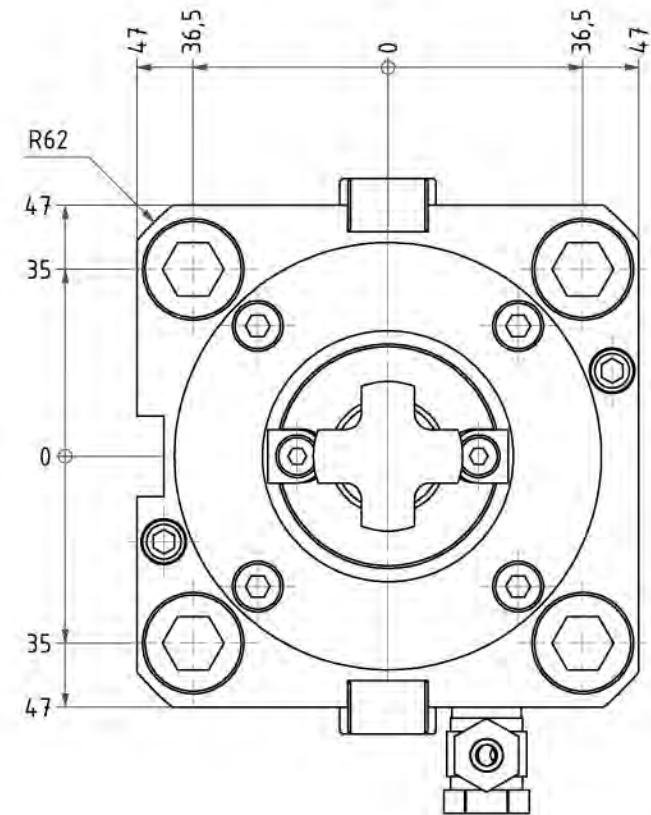
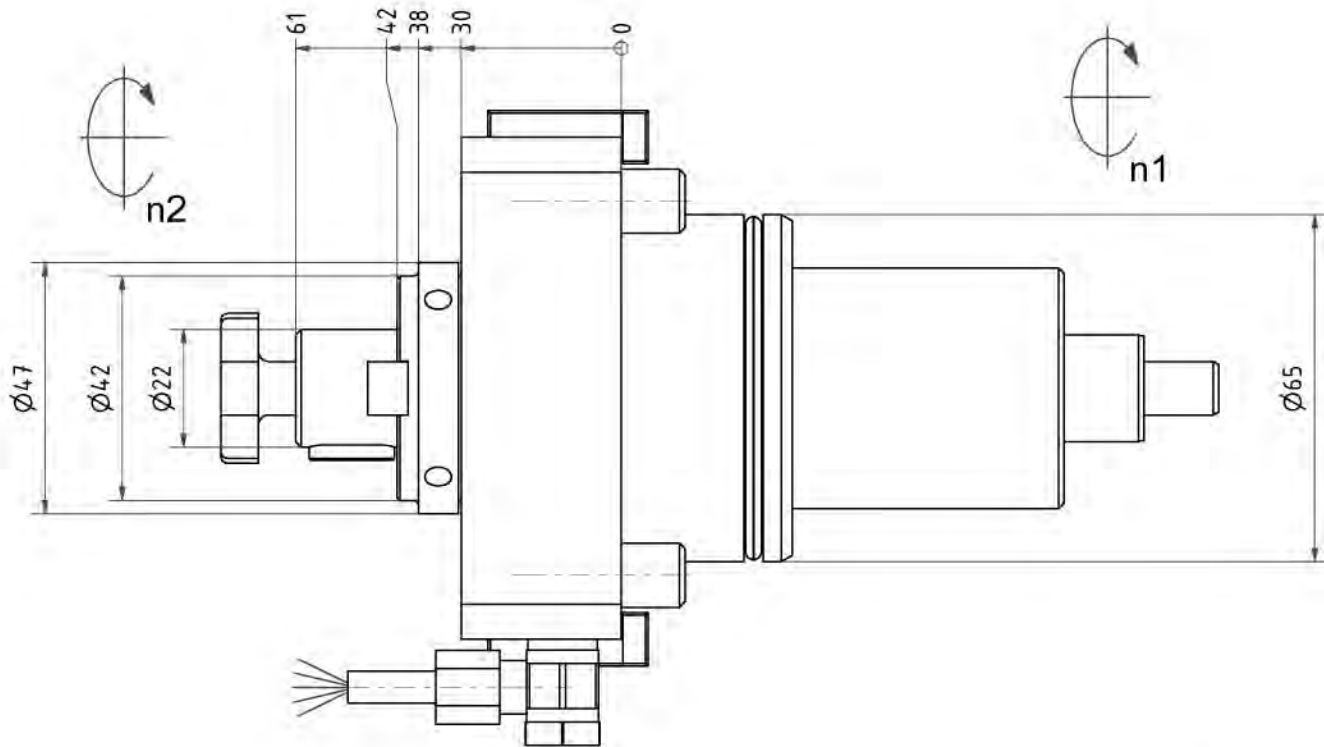
Nr.
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DIN A3




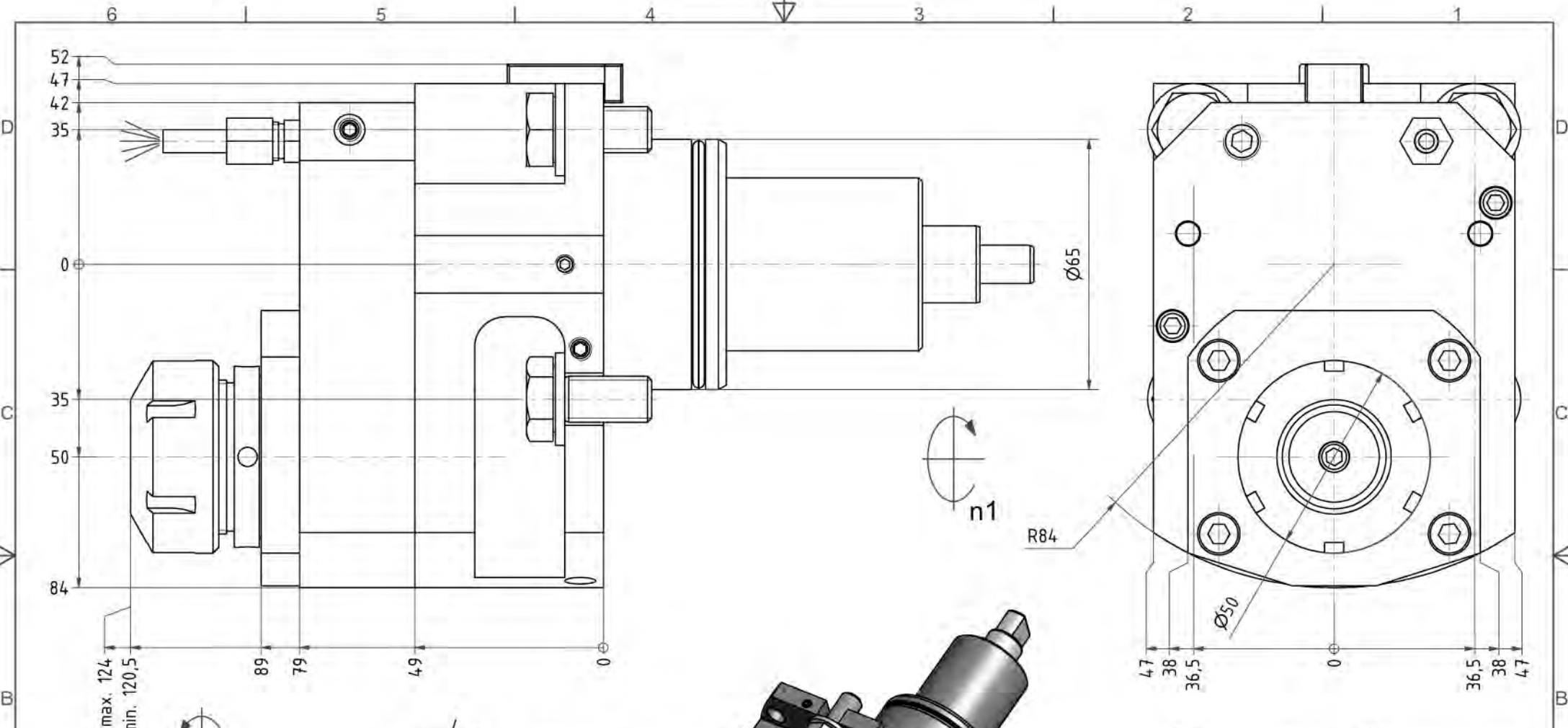

 Hakenschlüssel
 mit Zapfen
*Hook wrench
 with fixed pin*
 DIN1810 B 45x50

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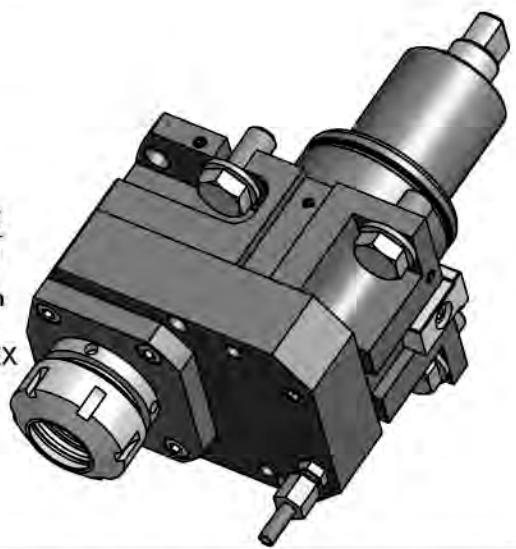

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Bemerkung - Note	Technische Daten - Technical data $M_1 / M_2 = 50 / 50 \text{ Nm}$ $n_1 / n_2 = 5000 / 5000 \text{ 1/min}$ $i (N_1/N_2) = 1:1$	Benennung - Title Axial Fräskopf <i>Axial milling head</i>	name	date	Technische Änderungen vorbehalten! <i>Subject to technical modifications!</i>	 DIN A3
			drawing	12.02.2007		
			Blatt - page 1 (1)			



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

 Hakenschlüssel
 mit Zapfen
 Hook wrench
 with fixed pin
 DIN1810 B 45x50

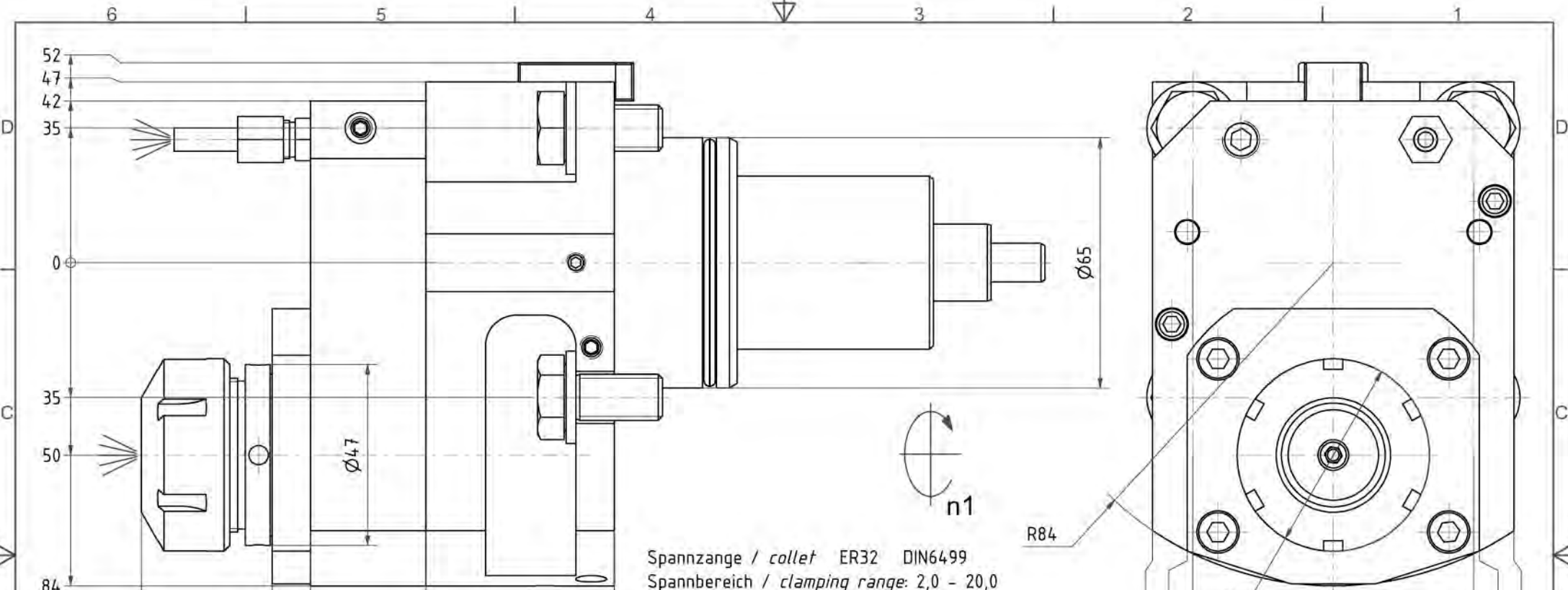

 Spannzangenschlüssel
 Clamping wrench
 232

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Spannzange / collet ER32 DIN6499
 Spannbereich / clamping range: 2,0 - 20,0

Gewindebohrzange / tapping collet
 ET-1-32 M5-M12

Bemerkung - Note	Technische Daten - Technical data M1 / M2 = 50 / 50 Nm n1 / n2 = 5000 / 5000 1/min i (N1:N2) = 1:1	Benennung - Title Axial Bohr u. Fräskopf achsversetzt <i>Ax. drill. and mill. head offset</i>	name	date	Technische Änderungen vorbehalten! <i>Subject to technical modifications!</i>	
			drawing	Mühlseisen		
			Nr. 50.65321809DW02		DIN A3	
			File: D-EWS-059588.idw		Blatt - page 1 (1)	

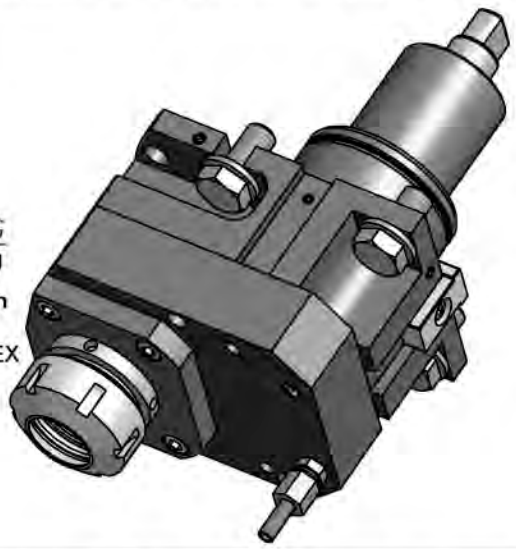




Spannzange / collet ER32 DIN6499
 Spannbereich / clamping range: 2,0 - 20,0



max. 124
 min. 120,5


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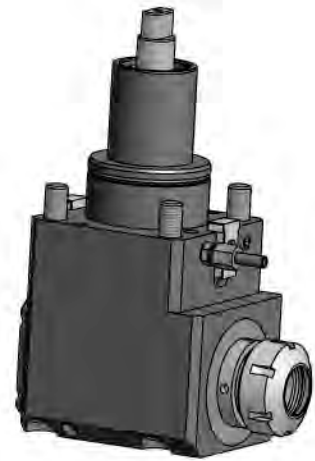
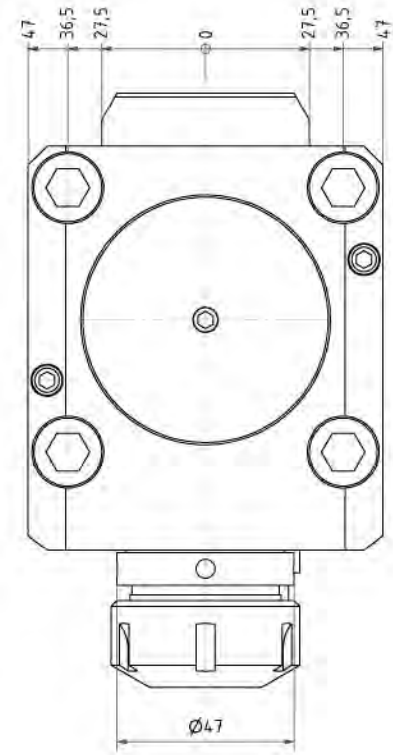
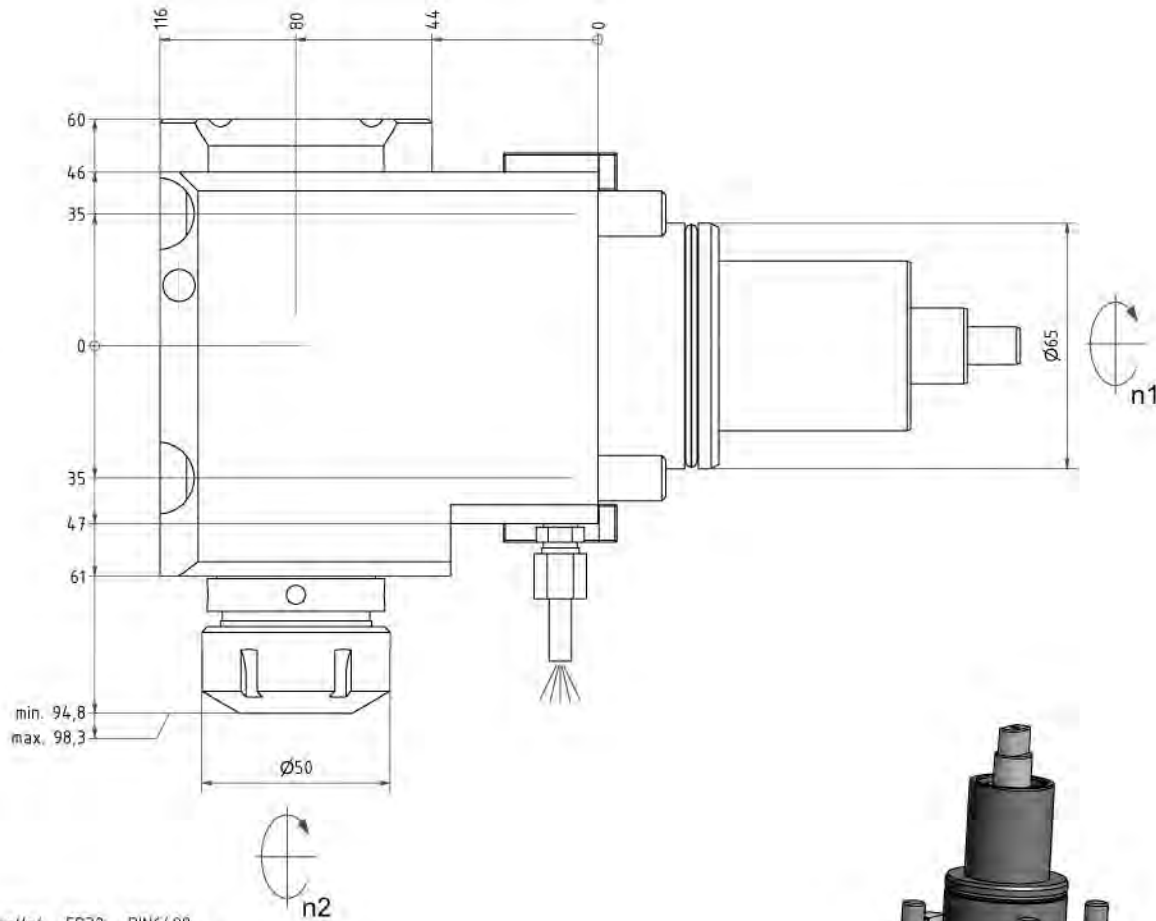


-  Hakenschlüssel mit Zapfen
Hook wrench with fixed pin
DIN1810 B 45x50
-  Spannzangenschlüssel
Clamping wrench
232

Innen- und Aussenkühlung / Inside and outside coolant supply
 Kein Trockenlauf / No dry run
 Kühlmittelfiltrierung=50µ / coolant filtration=50µ

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Bemerkung - Note Nicht ohne Kühlmittel betreiben! Not for use without coolant-fluid!	Technische Daten - technical data M ₁ / M ₂ = 50 / 50 Nm n ₁ / n ₂ = 5000 / 5000 1/min i (N ₁ :N ₂) = 1:1 p _{max} = 70 bar	Benennung - Title Axial Bohr u. Fräskopf achsversetzt Ax. drill. and mill. head offset	<table border="1"> <tr> <td>name</td> <td>date</td> </tr> <tr> <td>drawing</td> <td>Mühlstein 11.04.2008</td> </tr> </table>	name	date	drawing	Mühlstein 11.04.2008	Technische Änderungen vorbehalten! Subject to technical modifications! Nr. 50.65321809DW02IK File: D-EWS-059522.idw	 DIN A3 Blatt - page 1 (1)
name	date								
drawing	Mühlstein 11.04.2008								



Spannzange / collet ER32 DIN6499
 Spannungsbereich / clamping range: 2,0 - 20,0

Gewindebohrzange / tapping collet
 ET-1-32 M5-M12

Hakenschlüssel
 mit Zapfen
 Hook wrench
 with fixed pin
 DIN1810 B 45x50

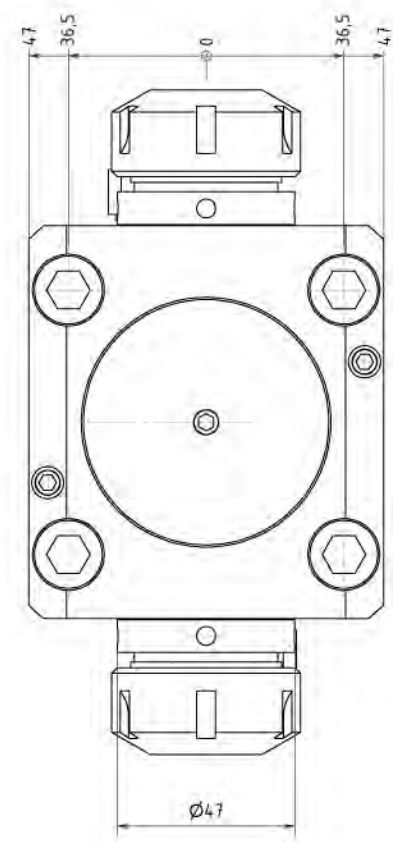
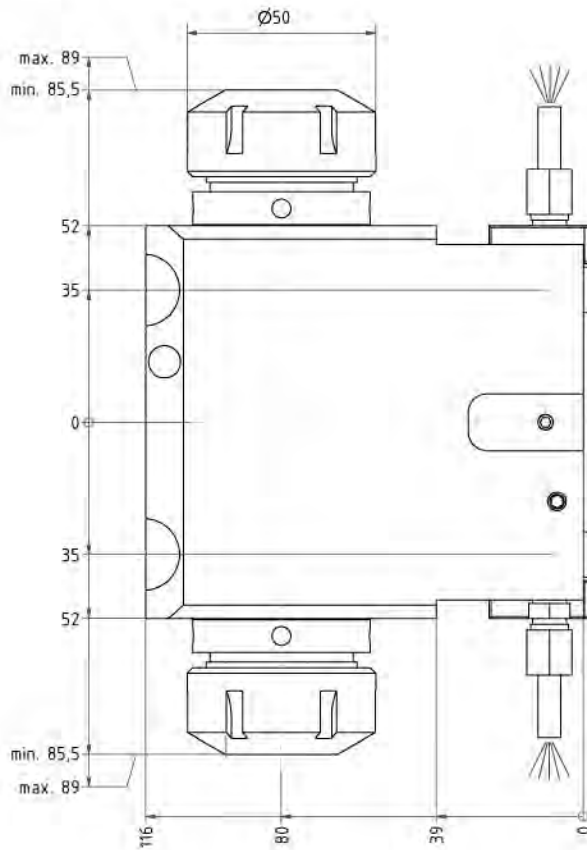
Spannzangenschlüssel
 Clamping wrench
 232

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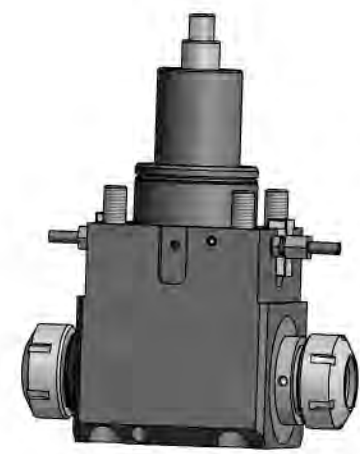
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Zeichnung: 60.65321809DW02X80 Datum: 08.07.2004	Technische Änderungen vorbehalten! Subject to technical modifications.	Blatt: 1 von: 1	DIN A2 Blatt - page: 1 (1)
M ₁ / M ₂ = 50 / 50 Nm n ₁ / n ₂ = 6000 / 6000 1/min i (Nz/Nz) = 1:1	60.65321809DW02X80		



Spannzange / collet ER32 DIN6499
Spannbereich / clamping range: 2,0 - 20,0

Gewindebohrzange / tapping collet
ET-1-32 M5-M12




Hakenschlüssel
mit Zapfen
Hook wrench
with fixed pin
DIN1810 B 45x50


Spannzangenschlüssel
Clamping wrench
232



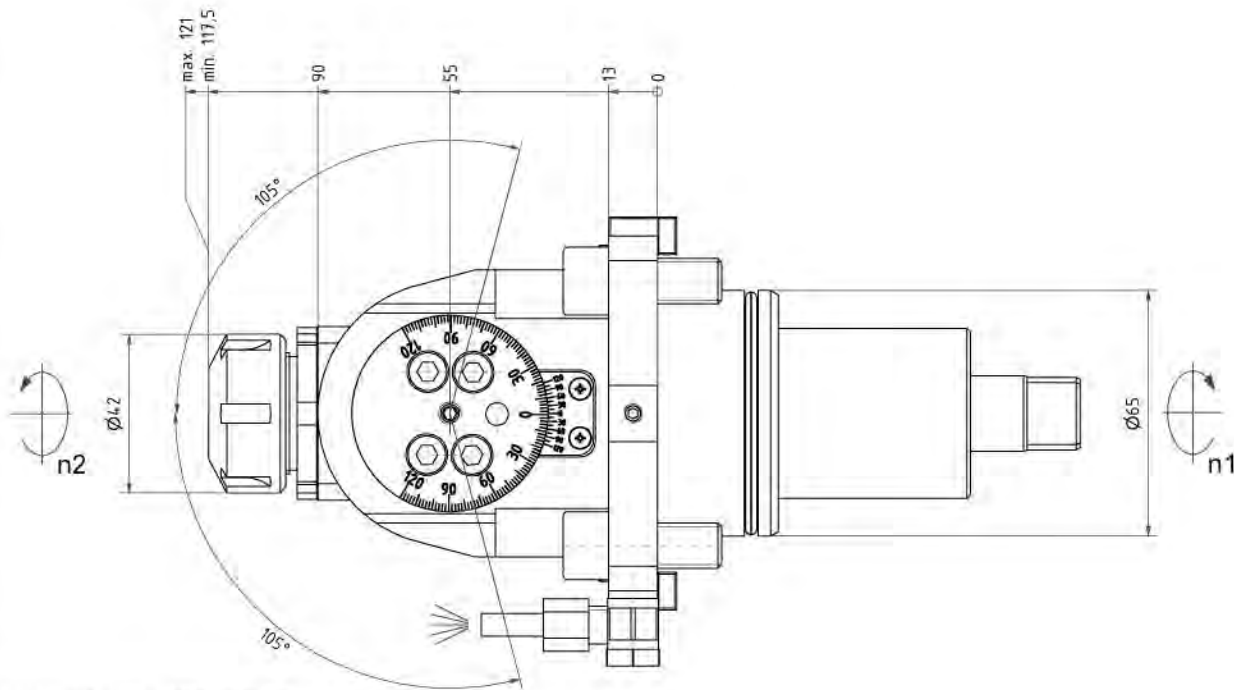
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Druckverleihe / Druckverleihe	Druckverleihe / Druckverleihe
M1 / M2 = 50 / 50 Nm	n1 / n2 = 6000 / 6000 1/min
i (Nz/Nz) = 1:1	

Radial Bohr und Fräskopf
Radial drilling and milling head

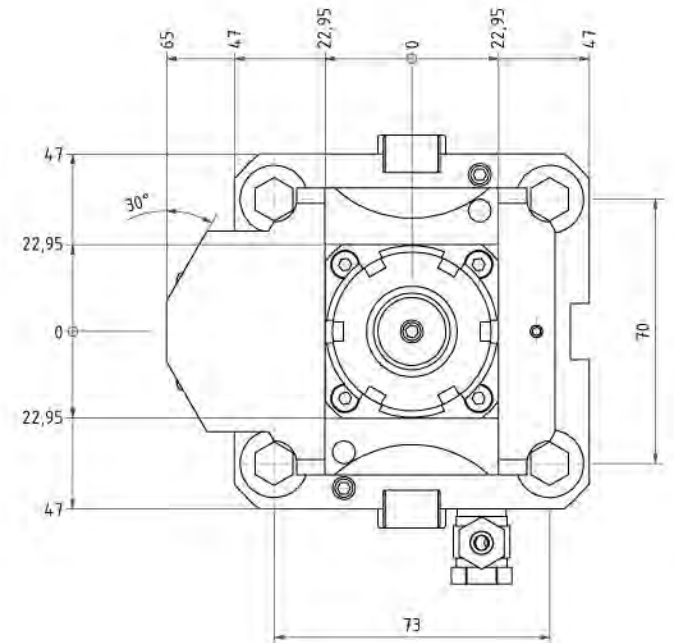
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Zeichnung	12122007
Technische Änderungen vorbehalten Subject to technical modifications.	
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Spannzange / collet ER25 DIN6499
Spannbereich / clamping range 1,0 - 16,0

Gewindebohrzange / tapping collet
ET-1-25 M3-M10




Hakenschlüssel
mit Nase
Hook wrench with
nose end
DIN1810 A 45x50


Spannzangenschlüssel
Clamping wrench
225



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Druckgröße / drawing size	M1 / M2 = 20 / 20 Nm n1 / n2 = 6000 / 6000 1/min i (Nz/Nz) = 1:1
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Schwenkkopf
Swivel head

name	date	Technische Änderungen vorbehalten. Subject to technical modifications.
Zeichner / drafter	12/02/2007	
63.65251809DW02		DIN A2
File: 63.65251809DW02_011.dwg		Blatt - page 1 (1,1)

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