

# Standard Driven Tool Holders for CNC Turning Lathes with VDI Turret

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MOST  
FROM  
YOUR  
TURNING  
CENTER**



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

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- SEIKI • HURCO • PROEBA
- BENZINGER • CLAUSING
- JOHN FORD • TONGIL •



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



# VDI Style Driven Tool Holders



## Section 1 - Axial Driven



1

## Section 2 - Radial Driven



2



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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.*

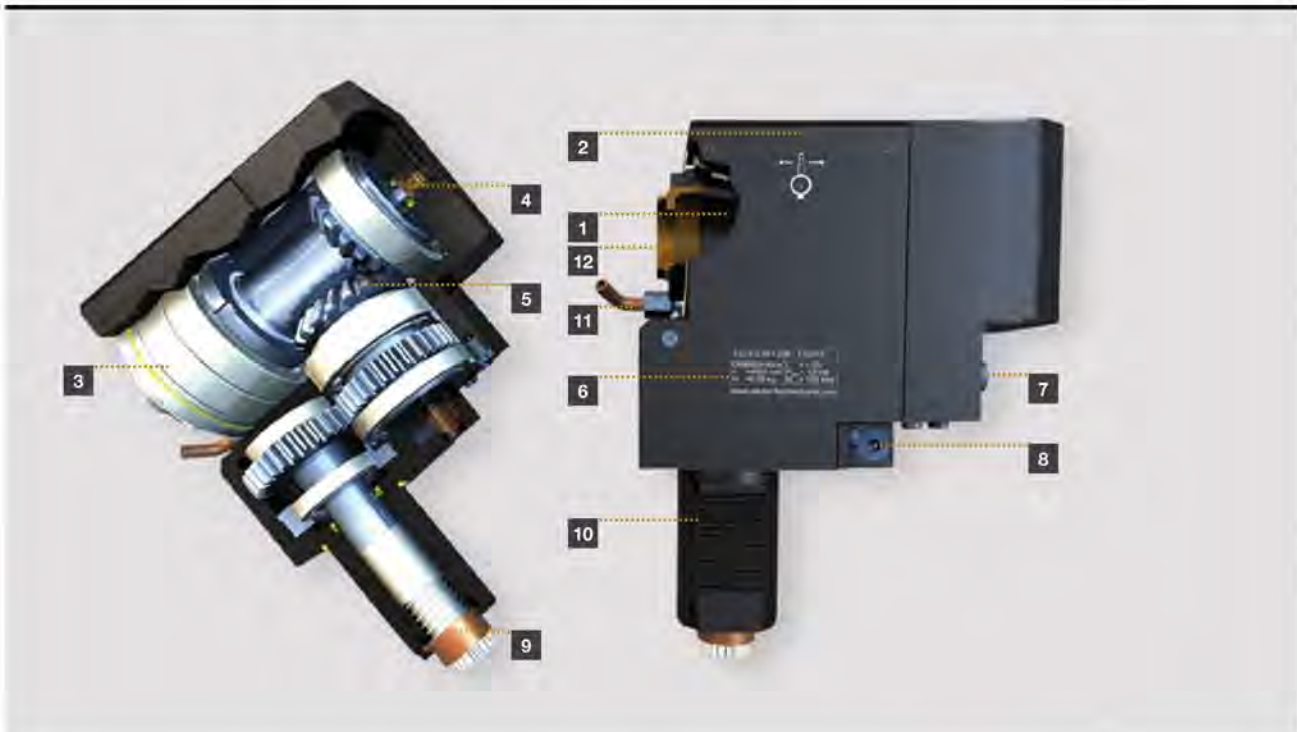


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## Good reasons to specify ITI Tooling Co.



1. Highest possible rotational accuracy
2. Qualified datum surface for rapid alignment
3. Optimum pre-loaded bearing configurations for maximum rigidity
4. Sauter patented high-pressure internal coolant delivery system that can also be used dry
5. High-precision gear train of optimum power and performance
6. Laser etched identification plate with all relevant information
7. Independent external coolant connection
8. Patented "rapid-set" spindle alignment device to minimize tool change and set-up time
9. Patented spindle orientation detent for rapid tool drive engagement – DIN5480
10. Universal mounting shank with double tooth rack for right-hand or left-hand operation
11. External coolant supply – can be individually fitted
12. Recessed collet clamping nut ensures maximum rigidity and an optimum interference free zone

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



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**Tooling for axial mount**

right/left designation for spindle units

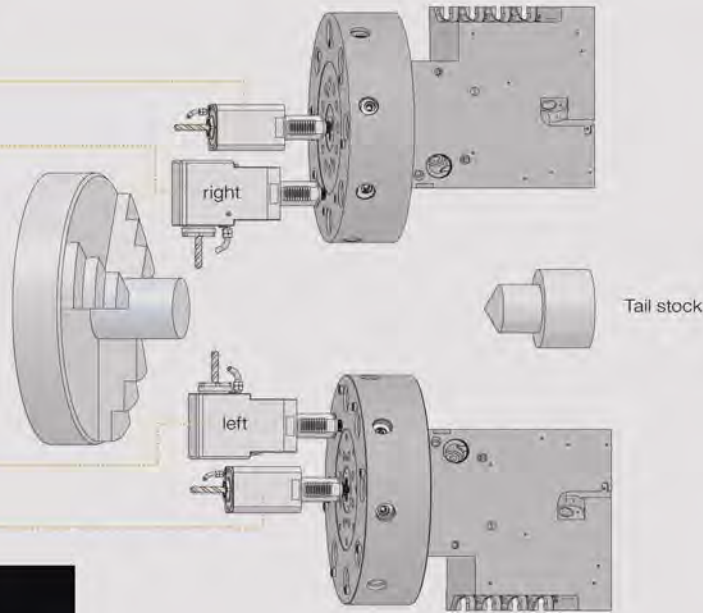
Straight spindle unit  
(axial processing)

Spindle unit 90°  
(radial processing)  
-right-

Main Spindle

Spindle unit 90°  
(radial processing)  
-left-

Straight spindle unit  
(axial processing)



**Tool designation**

**Tooling for radial mount**

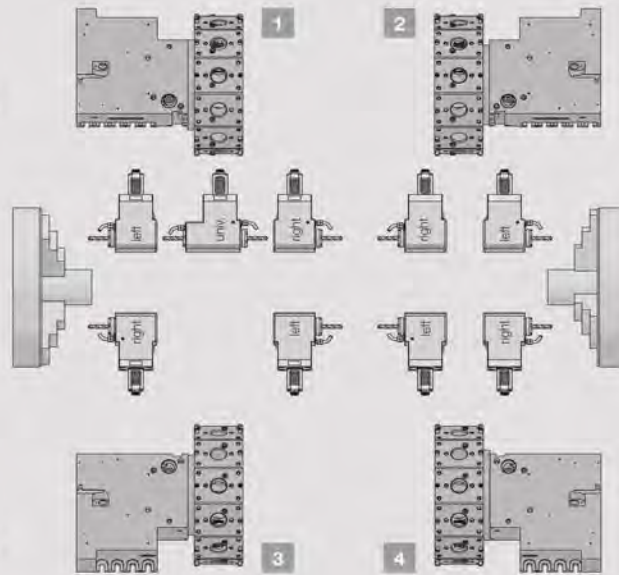
right/left/universal designation for spindle units

Clamp on top  
(top tooth system)

Main spindle

Sub spindle

Clamp on bottom  
(bottom tooth system)



04



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Machine Type	Turret specification				Notes
	VDI ©D	Turret manufacturer	Type	Drive coupling	
Boehringer HTC-150M	30	Diplomatic	A	DIN 1809	
Boehringer HTC-200M, HTC-250M	40	Diplomatic	A	DIN 1809	
Boehringer NG 180, NG 200, NG 250	40	Sauter (L2=120)	B	DIN 5480	Upper turret: also L2=100 mm suitable
Boehringer NG 400	50	Sauter	B	DIN 5480	
Colchester Storm II 120M, Tornado 120M	30	Sauter	A	DIN 5482	
Colchester Storm II 220M, Tornado 220M	40	Sauter	A	DIN 5482	
Doosan S 280M	25	Sauter	B	DIN 5480	
Doosan S 310M, S 310SM, S 310SLM, S 240LM	30	Sauter (L2=85)	B	DIN 5480	
Doosan S 390LM	40	Sauter	A	DIN 5482	
Doosan V 420M, V420TM, V 550M, V 550TM	50	Sauter	A	DIN 5480	
Doosan Z 280TM	40	Sauter (L2=100)	B	DIN 5480	
Doosan Z 290M, Z 290SM, Z 290SMY	30	Sauter (L2=85)	B	DIN 5480	
Doosan Z 340SM	30	Sauter (L2=100)	B	DIN 5480	
Emag VSC 160, VSC 200, VSC 250, VL2, VL3, VL5	40	Emag	B	DIN 1809	
Emag VSC 315, VSC 400, VSC 500	50	Emag	B	DIN 1809	
Emco EmcoTurn 332 MC	25	Emco 332	B	DIN 5480	
Emco EmcoTurn 700	50	Diplomatic	A	DIN 1809	
Emco EmcoTurn 900	60	Diplomatic	A	DIN 1809	
Emco EmcoTurn E 25	16	Sauter	A	DIN5480	
Emco EmcoTurn E 45, E 65	30	Sauter	A	DIN 5480	
Emco HyperTurn 645 MC, 665 MC	30	Emco HT-665	B	DIN 5480	
Emco HyperTurn 690 MC	40	Emco HT-690	B	DIN 5480	
Emco MaxxTurn 110	50	Sauter	A	DIN 5480	
Emco MaxxTurn 25	16	Sauter	A	DIN 5480	Without sub spindle
Emco MaxxTurn 45	25	Emco 332	B	DIN 5480	
Emco MaxxTurn 65	30	Emco HT-665	B	DIN 5480	
Fortune VTurn II-16/20CV	30	Diplomatic	A	DIN 1809	
	30	Sauter	A	DIN 5480	
Fortune VTurn II-16/20YCV	30	Sauter (L2=85)	B	DIN 5480	
Fortune VTurn II-23/26BCV, 26YCV(B)	40	Sauter (L2=100)	B	DIN 5480	
Fortune VTurn II-23/26CV	40	Diplomatic	A	DIN 1809	
	40	Sauter	A	DIN 5480	
Fortune VTurn-36CV	50	Sauter	A	DIN 5482	
Fortune VTurn-46CV	50	Sauter	A	DIN 5480	
Fortune VTurn-A26/85CV	40	Sauter	A	DIN5480	
Gildemeister CTV 200, CTV 250 linear	40	Sauter (L2=100)	B	DIN 5480	
Gildemeister CTV 400 linear	50	Sauter	B	DIN 5480	
Gildemeister CTX 210, 310, 410, 320 linear	30	Sauter	A	DIN 5480	Without sub spindle
Gildemeister CTX 310, 410, 320 linear w/ sub spindle	30	Sauter (L2=100)	B	DIN 5480	
Gildemeister CTX 420 linear	40	Sauter	A	DIN 5480	Without sub spindle
Gildemeister CTX 420 linear with sub spindle	40	Sauter (L2=100)	B	DIN 5480	VDI serration: right hand
Gildemeister CTX 510, 520 linear	40	Sauter	A	DIN 5480	Without sub spindle
Gildemeister CTX 620 linear	50	Sauter	A	DIN 5480	Without sub spindle
Gildemeister CTX alpha	30	Sauter	A	DIN 5480	Without sub spindle
Gildemeister CTX alpha with sub spindle	30	Sauter	B	DIN 5480	



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Machine Type	Turret specification				Notes
	VDI ØD	Turret Manufacturer	Type	Drive coupling	
Gildemeister CTX beta	40	Sauter	A	DIN 5480	Without sub spindle
Gildemeister CTX beta with sub spindle	40	Sauter (L2=100)	B	DIN5480	
Gildemeister CTX gamma	50	Sauter	A	DIN5480	Without sub spindle
Gildemeister GMX 250, 300, 400, 500 linear	40	Sauter (L2=100)	B	DIN 5480	
Gildemeister Sprint 65	30	Sauter (L2=100)	B	DIN 5480	Only for new version since 2005
Gildemeister Twin 102	30	Sauter (L2=100)	B	DIN 5480	Frame size 2 – option = VDI 30
	40	Sauter (L2=100)	B	DIN 5480	Frame size 2 – standard = VDI 40
Gildemeister Twin 42	25	Sauter	B	DIN 5480	Frame size 1
	30	Sauter (L2=100)	B	DIN 5480	Frame size 2 – standard = VDI 30
	40	Sauter (L2=100)	B	DIN 5480	Frame size 2 – option = VDI 40
Gildemeister Twin 65	30	Sauter (L2=100)	B	DIN 5480	Frame size 2 – standard = VDI 30
	40	Sauter (L2=100)	B	DIN 5480	Frame size 2 – option = VDI 40
Haas SL 20 (VDI), 30 (VDI)	40	Haas (L=104.85)	A	1-step	VDI turret
Haas SL 20, 30	40	Haas (L=117.55)	A	1-step	Hybrid turret
Haas SL 40 (VDI)	40	Haas (L=117.55)	A	1-step	VDI turret
Haas SL 40	40	Haas (L=130.25)	A	1-step	Hybrid turret
Hardinge Elite 6/42, 8/51	30	Sauter (L2=85)	B	DIN 5480	
Hardinge Quest 8/51, 10/65	30	Sauter (L2=100)	B	DIN 5480	
Hardinge Quest LMC 42	25	Sauter	B	DIN 5480	
Hardinge Talent 6/45, 8/52	30	Sauter	A	DIN 5482	
Hardinge Talent 8/52A, 10/78	40	Sauter	A	DIN 5482	
Heyligenstaedt Heynumat 15	50	Sauter	A	DIN 5482	
Heyligenstaedt Heynumat 20, 21, 24, 25	60	Sauter	A	DIN 5482	
Heyligenstaedt Heynumat 5	40	Sauter	A	DIN 5482	
Index C200	30	Index G300	B	1-step	"V" plate
Index C65, C100, C200	25	Index G200	B	1-step	"V" plate
Index G160, G200	25	Index G200	B	1-step	"V" plate
Index G160, G250, G300	30	Index G300	B	1-step	"V" plate
Index G250	40	Index G250	B	1-step	"V" plate
Index G400	40	Index G400	B	1-step	"V" plate
Index V160	25	Index G200	B	1-step	"V" plate
	30	Index G300	B	1-step	"V" plate
Index V300	30	Index G300	B	1-step	"V" plate
	40	Index V300	B	1-step	"V" plate
Mazak MP Triple 8200Y	40*	Mazak MP-6200	B	DIN 1809	
Mazak MP-6100	40*	Mazak MP-6100	B	DIN 1809	
Mazak MP-6200, MP-6200Y, MP-6250	40*	Mazak MP-6200	B	DIN 1809	12 stations turret
Mazak MP-6200Y (16 stations turret)	40*	Mazak MP-6100	B	DIN 1809	
Mazak MP-6300, MP-6300Y	50*	Mazak MP-6300	B	DIN 1809	
Mazak QT Nexus 100-II M, MY	40*	Mazak QTN-100M	B	DIN 1809	
Mazak QT Nexus 100-II MS, MSY	40*	Mazak QTN-100MS	B	DIN 1809	
Mazak QT Nexus 200-II, 250-II M, MY	40*	Mazak QTN-200M	B	DIN 1809	12 stations turret
Mazak QT Nexus 200-II, 250-II M (16 stations turret)	40*	Mazak QTN-100M	B	DIN 1809	
Mazak QT Nexus 200-II, 250-II MS, MSY	40*	Mazak QTN-200MS	B	DIN 1809	12 stations turret, with sub spindle
Mazak QT-Nexus 200-II, 250-II MS (16 stations turret)	40*	Mazak QTN-100MS	B	DIN 1809	With sub spindle
Mazak QT-Nexus 300-II M, 350-II M, MY	50*	Mazak QTN-300M	B	DIN 1809	
Mazak SQT-100M	40*	Mazak QTN-100M	B	DIN 1809	
Mazak SQT-100MS	40*	Mazak QTN-100MS	B	DIN 1809	With sub spindle
Mazak SQT-200, 250 M	40*	Mazak QTN-200M	B	DIN 1809	12 stations turret
Mazak SQT-200, 250 M (16 stations turret)	40*	Mazak QTN-100M	B	DIN 1809	
Mazak SQT-200, 250 MS	40*	Mazak QTN-200MS	B	DIN 1809	12 stations turret, with sub spindle
Mazak SQT-200, 250 MS (16 stations turret)	40*	Mazak QTN-100MS	B	DIN 1809	With sub spindle
Mazak SQT-300, 350 M	50*	Mazak QTN-300M	B	DIN 1809	
Monforts DNC 500 DuoTurn	40	Sauter (L2=120)	B	DIN 5480	
Monforts MHC	40	Sauter (L2=120)	B	DIN 5480	
Monforts MNC 1000	60	Sauter	A	DIN 5482	Turret 1 + 2
	50	Sauter	A	DIN 5482	Turret 2 - Option
Monforts MNC 500	40	Sauter	A	DIN 5482	Turret 1
	40	Sauter (L2=120)	B	DIN 5480	Turret 2
Monforts RNC 400, 500 DuoTurn	40	Sauter (L2=120)	B	DIN 5480	
Monforts RNC 400, 500, 600 MultiTurn	40	Sauter	A	DIN 5482	
Monforts RNC 700	50	Sauter	A	DIN 5482	
Monforts UniCen 502	40	Sauter (L2=100)	B	DIN5480	
Niles N 10	30	Sauter	A	DIN 5482	Drive coupling: B15x12
	40	Sauter	A	DIN 5482	Drive coupling: B17x14
Niles N 20	40	Sauter	A	DIN 5482	Drive coupling: B17x14
	50	Sauter	A	DIN 5482	Drive coupling: B20x17



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Machine Type	Turret specification				Notes
	VDI ØD	Turret Manufacturer	Type	Drive coupling	
Niles N 30	50	Sauter	A	DIN 5482	Drive coupling: B20x17
Niles N 40, N50	60	Sauter	A	DIN 5482	Drive coupling: B25x22
Niles NF 20, NV 20	40	Sauter (L2=100)	B	DIN 5480	
Okuma LB 15II-M	40	Okuma LB 300-M	A	1-step	
Okuma LB 300-M, LB 300-MY	40	Okuma LB 300-M	A	1-step	
Okuma LB 300-MW	40	Okuma LT 300-M	B	1-step	Only for new version since 2005
Okuma LB 45II-M	60	Okuma LU 45-M	A	1-step	
Okuma LT 10-M	30	Okuma LT 200-M	B	1-step	
Okuma LT 15-M	40	Okuma LT 300-M	B	1-step	
Okuma LT 200-M	30	Okuma LT 200-M	B	1-step	
Okuma LT 300-M	40	Okuma LT 300-M	B	1-step	
Okuma LU 15-M	40	Okuma LB 300-M	A	1-step	
Okuma LU 300-M	40	Okuma LB 300-M	A	1-step	
Okuma LU 35-M	50	Okuma LU 35-M	A	1-step	
Okuma LU 45-M	60	Okuma LU 45-M	A	1-step	
Okuma LVT 300-M	40	Okuma LVT 300-M	A	1-step	
Okuma LVT 400-M	40	Okuma LVT 400-M	A	1-step	
Okuma MacTurn 350	40	Okuma LT 300-M	B	1-step	
Scherer VDZ 120, VDZ 120DS, VDZ 200	30	Sauter (L2=100)	B	DIN 5480	
	40	Sauter (L2=100)	B	DIN 5480	
Scherer VDZ 420XL, VDZ 420XL DS	50	Sauter	B	DIN 5480	
Scherer VDZ 80, VDZ 80DS	25	Sauter	B	DIN 5480	
Spinner TC 400 MC	30	Baruffaldi	A	TBMA 160	
Spinner TC 600 MC	30	Baruffaldi	A	TBMA 160	
	40	Baruffaldi	A	TBMA 200	
Spinner TC 600 MCY, SMCY	30	Baruffaldi (L2=110)	B	TBMR 160	
Spinner TC 800 MC	50	Baruffaldi	A	TBMA 250	
Spinner TC 800 SMC, MCY	50	Baruffaldi (L2=110)	B	TBMR 250	
Spinner TC 800 SMCY	50	Baruffaldi (L2=110)	B	TBMR 250	Only on main spindle acceptable, sub spindle needs L2 = 140!
Traub TNA 300	30	Sauter	A	DIN 5482	
Traub TNA 400	40	Sauter	A	DIN 5482	
Traub TNC 42 DG, DGY, TNC 65	30	Traub TNC 65	B	bevel gear	
Traub TNC 42 EG, EGY	25	Traub TNC 42	B	bevel gear	
Victor VTurn II-16/20CV	30	Diplomatic	A	DIN 1809	
	30	Sauter	A	DIN 5480	
Victor VTurn II-16/20YCV	30	Sauter (L2=85)	B	DIN 5480	
Victor VTurn II-23/26BCV, 26YCV(B)	40	Sauter (L2=100)	B	DIN 5480	
Victor VTurn II-23/26CV	40	Diplomatic	A	DIN 1809	
	40	Sauter	A	DIN 5480	
Victor VTurn-36CV	50	Sauter	A	DIN 5482	
Victor VTurn-46CV	50	Sauter	A	DIN 5480	
Victor VTurn-A26/85CV	40	Sauter	A	DIN 5480	
Weiler DZ 35, DZ 40, DZ 65	25	Sauter	B	DIN 5480	
Weiler DZ 45 H3, DZ 45 H4	25	Sauter	B	DIN 5480	
Weiler DZ 45 T	30	Sauter	A	DIN 5482	
WFL M30	40	Sauter	A	DIN 5482	
	40	Sauter (L2=100)	B	DIN 5480	New version
WFL M40, M60, M65	50	Sauter	A	DIN 5482	

\*no VDI standard



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# Axial Driven Tool Holders for

## CNC Turning Lathes with VDI Turret

1



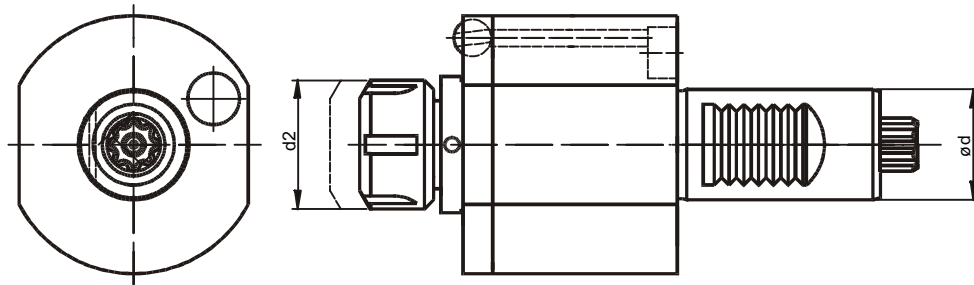
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## Axial drilling and milling head



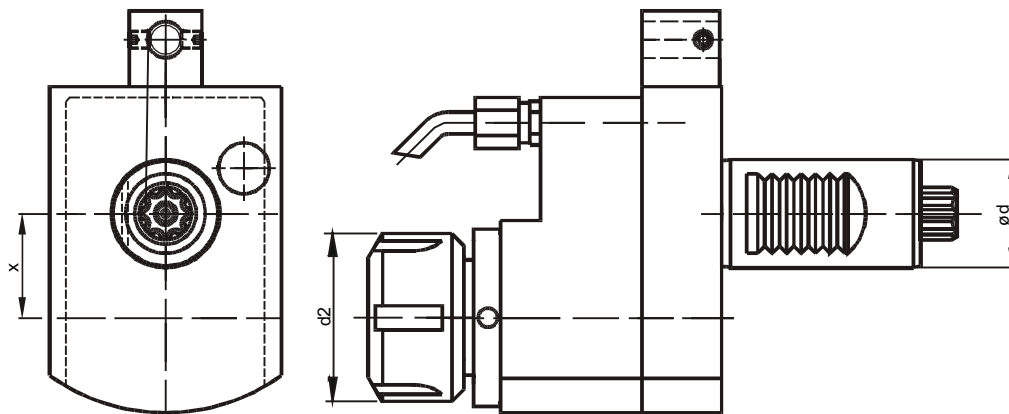
Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]	Collet (see 1.27)
40.1612 ...	16	1:1	19	6000	6.3	RD/ER 11 4008E (1-7)
40.2016 ...	20	1:1	27	6000	10	RD/ER 16 426E (1-10)
40.2520 ...	25	1:1	35	6000	16	RD/ER 20 428E (2-13)
40.2525 ...	25	1:1	42	6000	16	RD/ER 25 430E (2-16)
40.3020 ...	30	1:1	35	6000	16	RD/ER 20 428E (2-13)
40.3025 ...	30	1:1	42	6000	25	RD/ER 25 430E (2-16)
40.4025 ...	40	1:1	42	5000	25	RD/ER 25 430E (2-16)
40.4032 ...	40	1:1	50	5000	50	RD/ER 32 470E (3-20)
40.5040 ...	50	1:1	63	4000	80	RD/ER 40 472E (4-26)

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

## Axial drilling and milling head - Offset



Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]	x	Collet (see 1.27)
50.2516 ...	25	1:2	27	12000	8	28.8	RD/ER 16 426E (1-10)
50.3016 ...	30	1:2	27	12000	8	28.8	RD/ER 16 426E (1-10)
50.3025 ...	30	1:1	42	6000	16	65	RD/ER 25 430E (2-16)
50.4032 ...	40	1:1	50	5000	25	50/65	RD/ER 32 470E (3-20)

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

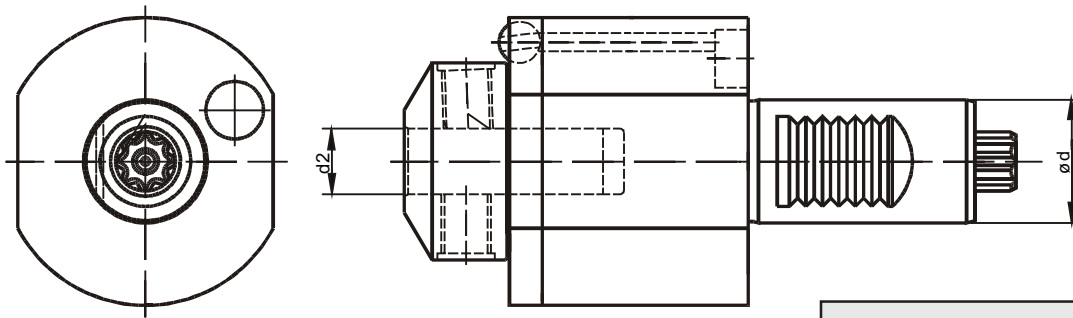


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## Axial drilling and milling head - Whistle Notch



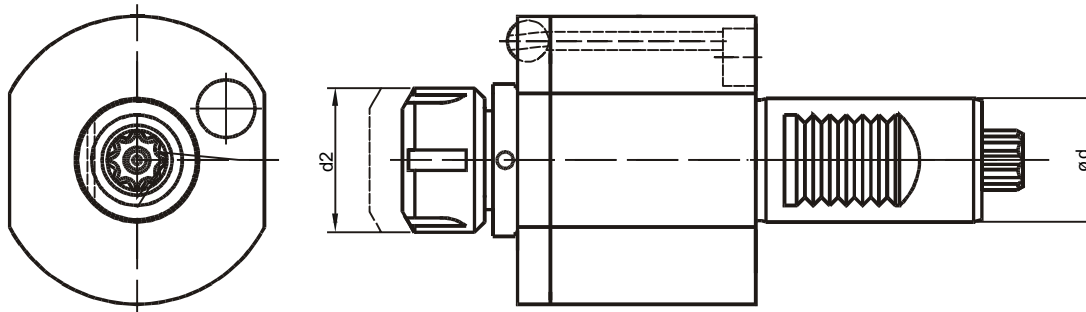
Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]
40.2516 WN...	25	1:1	16	6000	16
40.3016 WN...	30	1:1	16	6000	16
40.4016 WN...	40	1:1	16	5000	25
40.4020 WN...	40	1:1	20	5000	50
40.5025 WN...	50	1:1	25	4000	80

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

## Axial tapping head



Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]	Collet (see 1.27)
41.1612 ...	16	1:1	19	6000	6.3	RD/ER 11 4008 E (1-7)
41.2016 ...	20	1:1	27	6000	10	RD/ER 16 426 E (1-10)
41.2520 ...	25	1:1	35	6000	16	RD/ER 20 428 E (1-13)
41.3020 ...	30	1:1	35	6000	16	RD/ER 20 428 E (1-13)
41.4025 ...	40	1:1	42	5000	25	RD/ER 25 430 E (2-16)
41.5032 ...	50	1:1	50	4000	80	RD/ER 32 470 E (3-20)

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type



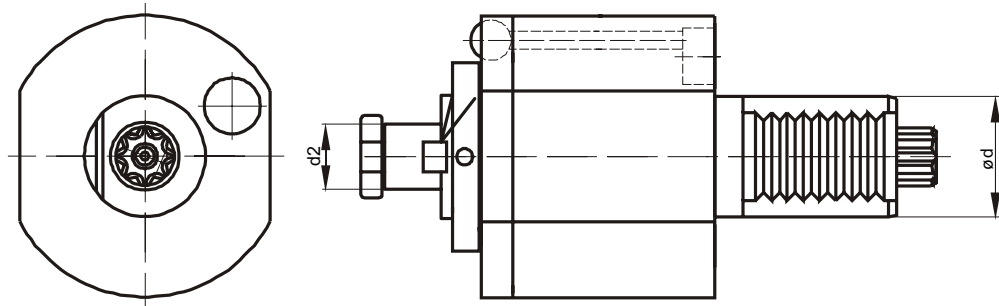
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## Axial milling head



Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]
42.2516 ...	25	1:1	16	6000	16
42.3016 ...	30	1:1	16	6000	16
42.3022 ...	30	1:1	22	6000	16
42.4016 ...	40	1:1	16	5000	25
42.4022 ...	40	1:1	22	5000	50
42.4027 ...	40	1:1	27	5000	50
42.5027 ...	50	1:1	27	4000	80

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type



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# Radial Driven Tool Holders for CNC Turning Lathes with VDI Turret



2



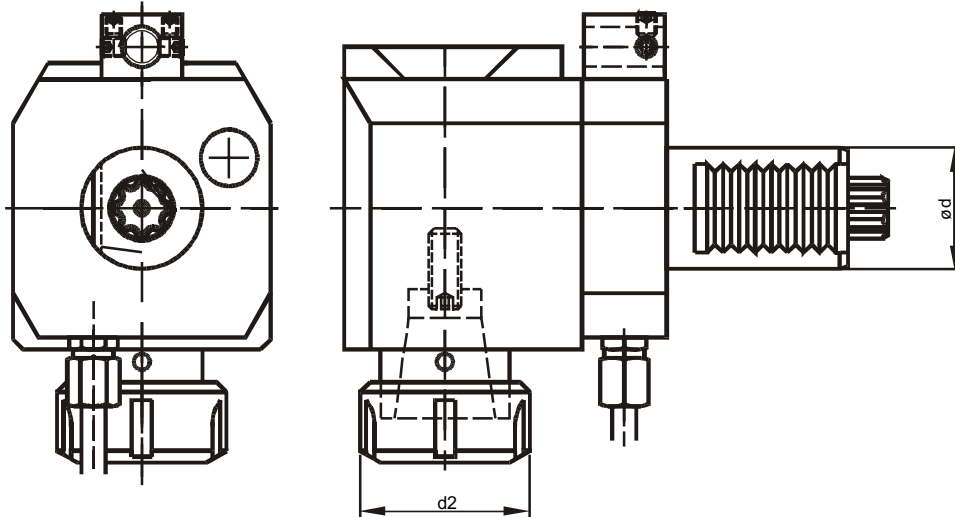
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## Radial drilling and milling head



Order No.	d	i	d <sub>2</sub>	n <sup>max</sup> [1/min]	T <sup>max</sup> [Nm]	Collet (see 1.27)
60.1612 ...	16	1:1	19	6000	6.3	RD/ER 11 4008E (1-7)
60.2016 ...	20	1:1	27	6000	10	RD/ER 16 426E (1-10)
60.2520 ...	25	1:1/1:2	35	6000/12000	16/10	RD/ER 20 428E (2-13)
60.2525 ...	25	1:1/2:1	42	6000/4000	16/32	RD/ER 25 430E (2-16)
60.3020 ...	30	1:1/1:2	35	6000/12000	16/10	RD/ER 20 428E (2-13)
60.3025 ...	30	1:1/2:1	42	6000/4000	16/32	RD/ER 25 430E (2-16)
60.4025 ...	40	1:1/2:1	42	5000/3000	25/50	RD/ER 25 430E (2-16)
60.4032 ...	40	1:1/2:1	50	5000/3000	50/80	RD/ER 32 470E (3-20)
60.5040 ...	50	1:1	63	4000	80	RD/ER 40 472E (4-26)

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

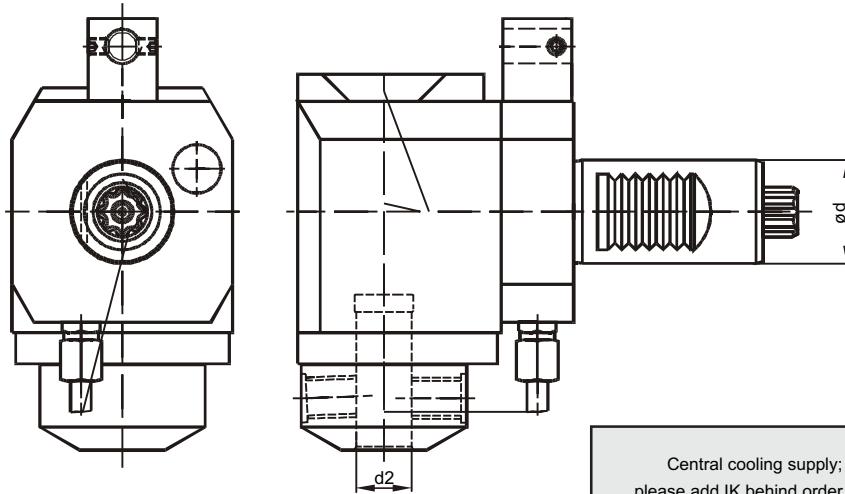


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## Radial drilling and milling head - Whistle Notch



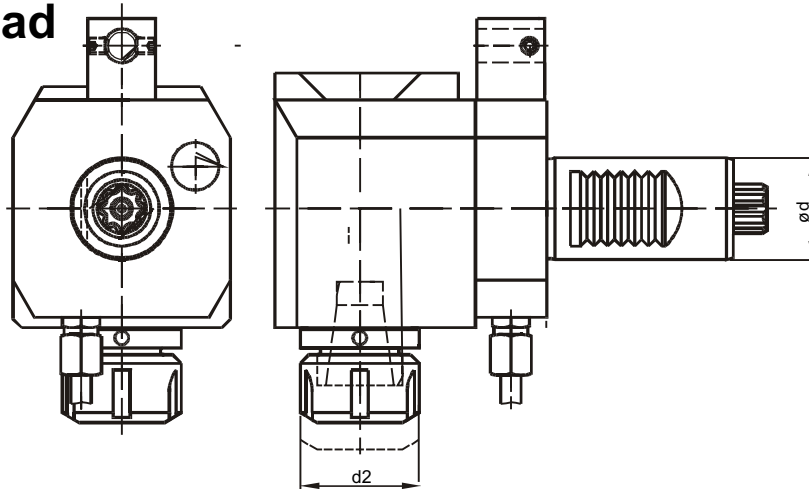
Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

Order No.	d	i	d <sub>2</sub>	n <sup>max</sup> [1/min]	T <sup>max</sup> [Nm]
60.2516 WN...	25	1:1/2:1	16	6000/4000	16/32
60.3016 WN...	30	1:1/2:1	16	6000/4000	16/32
60.3020 WN...	30	1:1/2:1	20	6000/4000	16/32
60.4016 WN...	40	1:1/2:1	16	5000/3000	25/50
60.4020 WN...	40	1:1/2:1	20	5000/3000	25/50

## Radial tapping head



Central cooling supply;  
please add IK behind order no.

Also possible with quick  
change adaptor

In case of inquiry or order please inform about machine type

Order No.	d	i	d <sub>2</sub>	n <sup>max</sup> [1/min]	T <sup>max</sup> [Nm]	Collet (see 1.27)
61.1612 ...	16	1:1	19	6000	6.3	RD/ER 11 4008E (1-7)
61.2016 ...	20	1:1	27	6000	10	RD/ER 16 426E (1-10)
61.2520 ...	25	1:1	35	6000	16	RD/ER 20 428E (2-13)
61.3020 ...	30	1:1	35	6000	16	RD/ER 20 428E (2-13)
61.4025 ...	40	1:1	42	5000	25	RD/ER 25 430E (2-16)
61.4032 ...	40	1:1	50	5000	25	RD/ER 32 470E (3-20)
61.5032 ...	50	1:1	50	4000	80	RD/ER 32 470E (3-20)

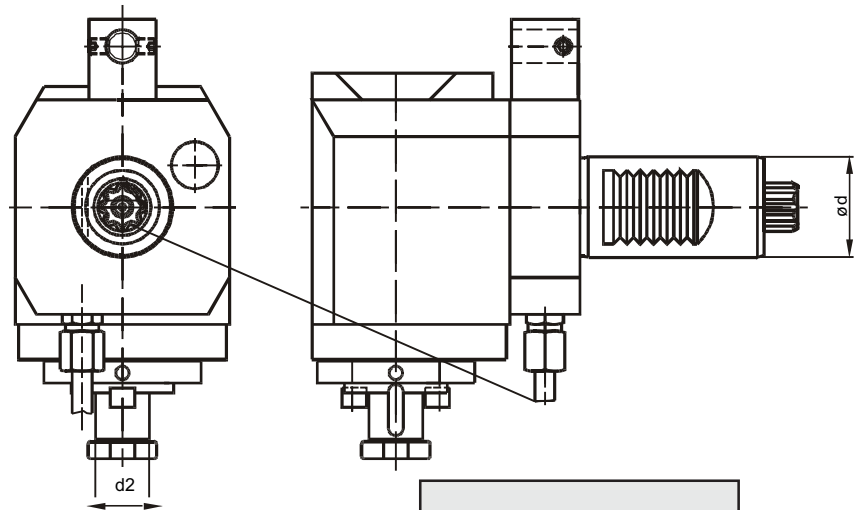


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## Radial milling head



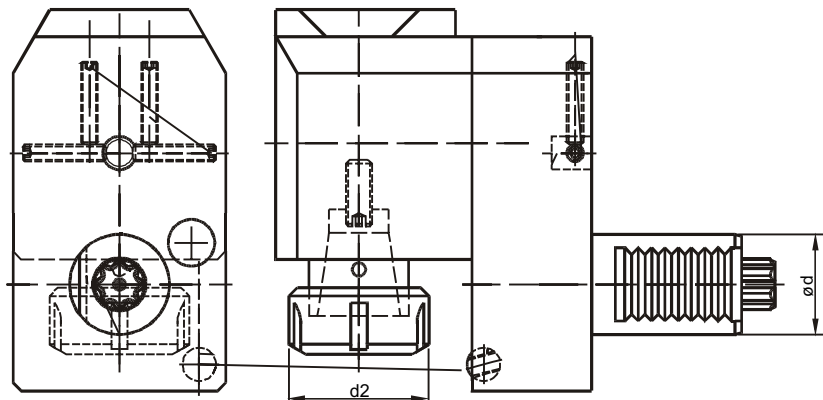
Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]
62.2516 ...	25	1:1/2:1	16	6000/4000	16/32
62.3016 ...	30	1:1/2:1	16	6000/4000	16/32
62.3022 ...	30	1:1/2:1	22	6000/4000	16/32
62.4016 ...	40	1:1/2:1	16	5000/3000	25/50
62.4022 ...	40	1:1/2:1	22	5000/3000	25/50
62.5022 ...	50	1:1	22	4000	80

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

## Radial milling and drilling head - offset



Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]	Collet (see 1.27)
80.1612 ...	16	1:1	19	6000	6.3	RD/ER 11 4008E (1-7)
80.2016 ...	20	1:1	27	6000	10	RD/ER 16 426E (1-10)
80.3020 ...	30	1:1/1:2	35	6000/12000	16/10	RD/ER 20 428E (2-13)
80.3025 ...	30	1:1/2:1	35	6000/4000	16/32	RD/ER 25 430E (2-16)
80.4025 ...	40	1:1	35	5000	25	RD/ER 25 430E (2-16)
80.4032 ...	40	1:1/2:1	35	5000/3000	25/50	RD/ER 32 470E (3-20)
80.5040 ...	50	1:1	35	4000	80	RD/ER 40 472E (3-26)

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type



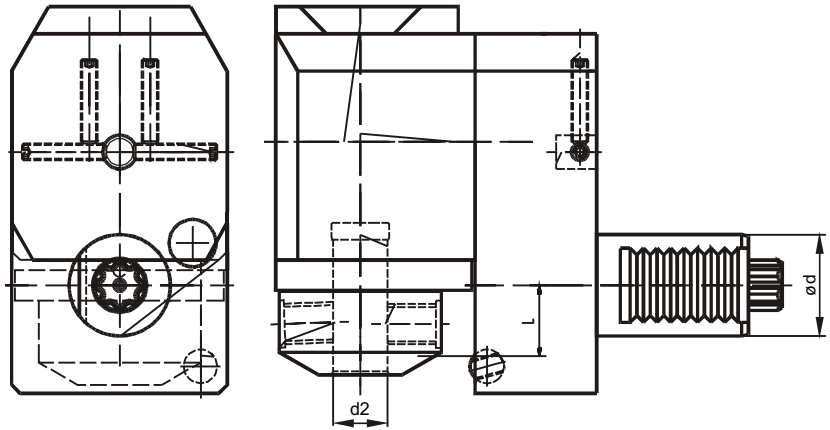
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## Radial milling and drilling head - Whistle Notch



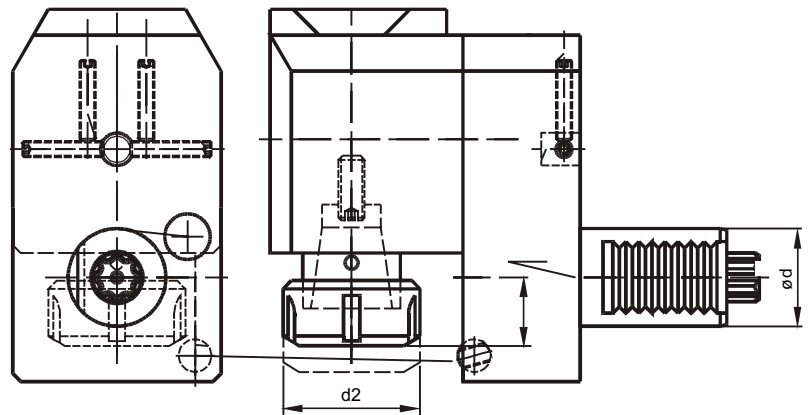
Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]
80.3016 WN ...	30	1:1/2:1	16	6000/4000	16/32
80.4016 WN ...	40	1:1/2:1	16	5000/3000	25/50
80.4020 WN ...	40	1:1/2:1	20	5000/3000	25/50
80.5020 WN ...	50	1:1	20	4000	80

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

## Radial tapping head - offset



Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]	Collet (see 1.27)
81.1612 ...	16	1:1	19	6000	6.3	RD/ER 11 4008E (1-7)
81.2016 ...	20	1:1	27	6000	10	RD/ER 16 426E (1-10)
81.3020 ...	30	1:1	35	6000	16	RD/ER 20 428E (2-13)
81.4025 ...	40	1:1	42	5000	25	RD/ER 25 430E (2-16)
81.4032 ...	40	1:1	50	5000	50	RD/ER 32 470E (3-20)
81.5040 ...	50	1:1	63	4000	80	RD/ER 40 472E (4-26)

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

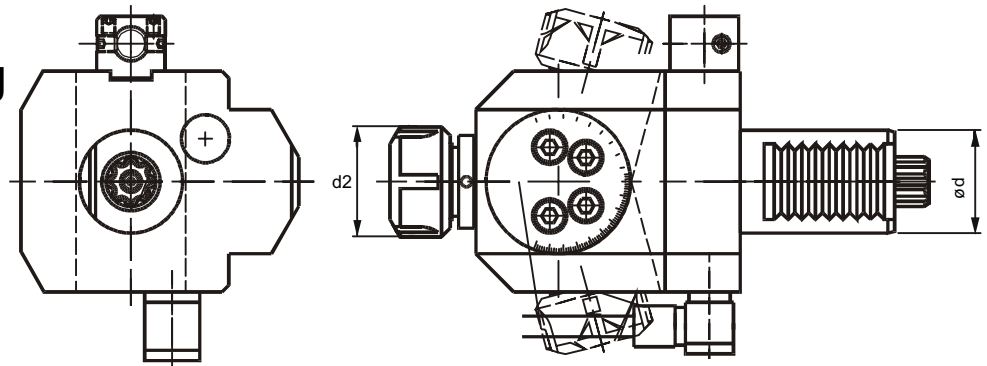


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## Adjustable Angle Drilling and milling



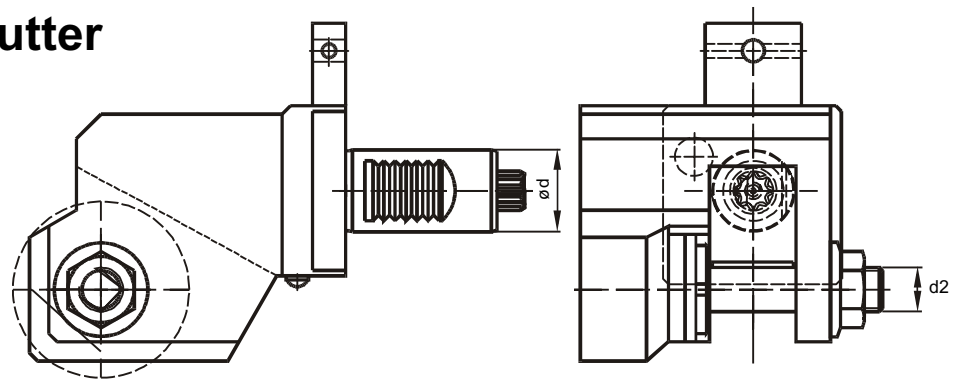
Order No.	d	i	d <sub>2</sub>	Angle of rotation	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]	Collet (see 1.27)
63.2016 ...	20	1:1	27	± 90	5000	10	RD/ER 16 426E (1-10)
63.2516 ...	25	1:2	27	± 105	5000	10	RD/ER 16 426E (1-10)
63.3016 ...	30	1:2	27	± 105	5000	10	RD/ER 16 426E (1-10)
63.3020 ...	30	1:1	35	± 90	5000	16	RD/ER 20 428E (2-13)
63.4025 ...	40	1:1	42	± 90	4000	25	RD/ER 25 430E (2-16)
63.5032 ...	50	1:1	50	± 90	3000	40	RD/ER 32 470E (3-20)

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type

## Radial saw blade cutter



Order No.	d	i	d <sub>2</sub>	n <sub>max</sub> [1/min]	T <sub>max</sub> [Nm]
64.2513 ...	25	2,5:1	13	2000	32
64.2516 ...	25	2,5:1	16	2000	32
64.2522 ...	25	2,5:1	22	2000	32
64.3016 ...	30	2,5:1	16	2000	32
64.3022 ...	30	2,5:1	22	2000	32
64.4016 ...	40	2:1	16	2000	50
64.4022 ...	40	2:1	22	2000	50
64.5022 ...	50	2:1	22	2000	100

Central cooling supply;  
please add IK behind order no.

Driving coupling and dimension  
depends on machine type

In case of inquiry or order please inform about machine type



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 M • DEMEL  
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