

WT System

ISO 9001

WTO

Driven
Precision
Tools

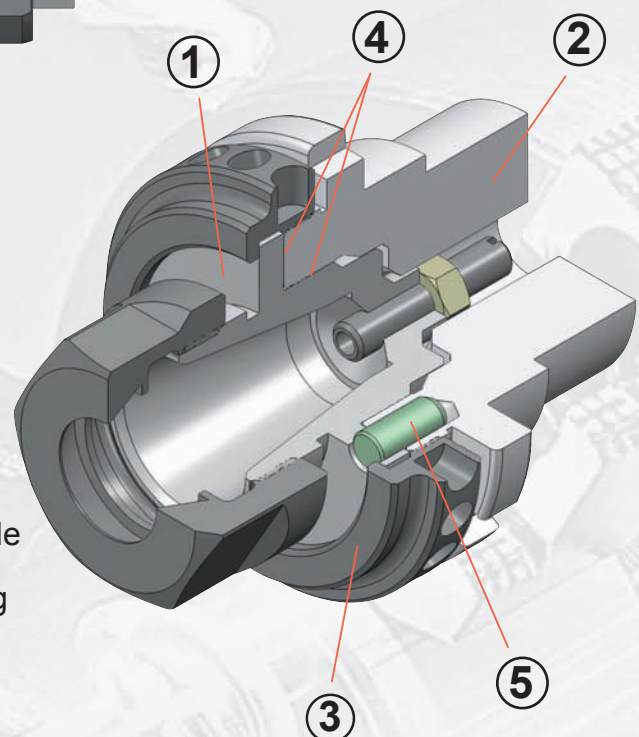
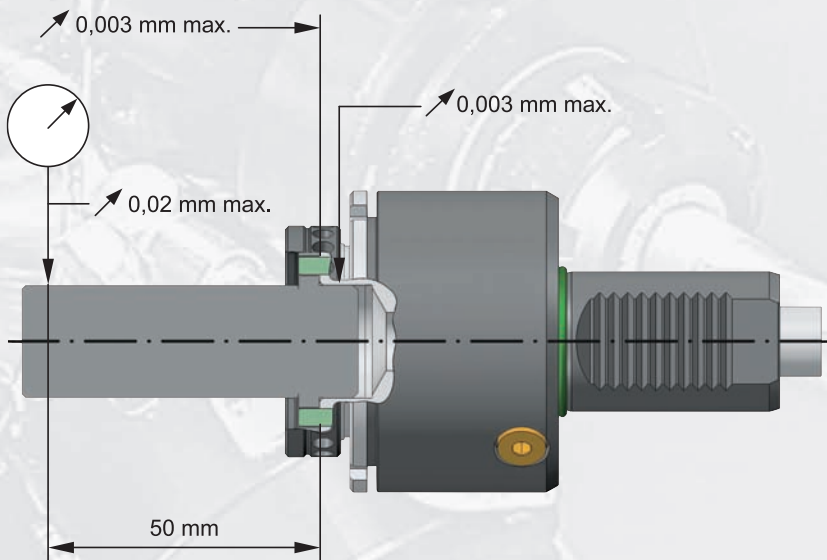
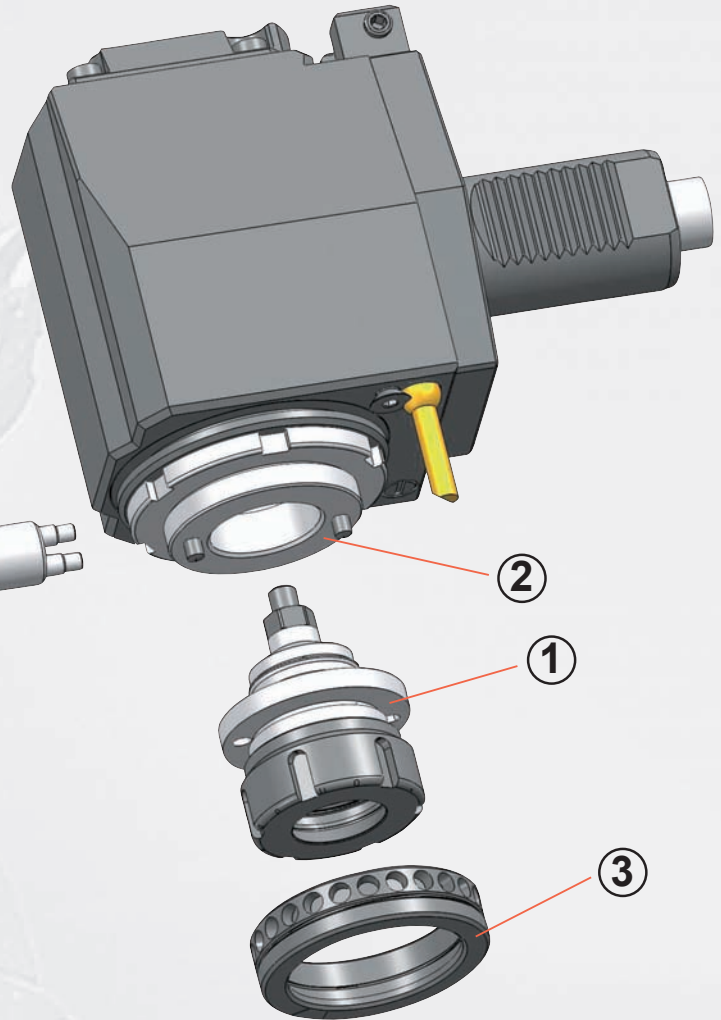
Higher Productivity



new patent

High Precision Tool Change
with interchangeable spindles

- + Presetable
- + Flexible
- + High repeatability
- + High stability
- + Compact
- + One hand clamping



- ① Interchangeable WT spindle
- ② WT driven tool spindle shaft
- ③ Spanner nut = High axial retention of WT spindle
- ④ Large axial contact surface with radial centering
- ⑤ Radial positioning and driving pin



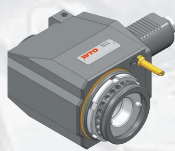
4101... Straight drill/milling unit
Ratio = 1:1
Coolant supply: external, internal, max. 435 PSI (30 bar)

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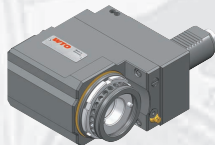
4101... Straight offset drill/milling unit
Ratio = 1:1, 2:1, 1:2
Coolant supply: external, internal, max. 1160 PSI (80 bar)

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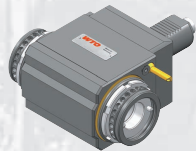
4105... Right angle drill/milling unit
Ratio = 1:1, 2:1, 1:2
Coolant supply: external, internal, max. 1160 PSI (80 bar)

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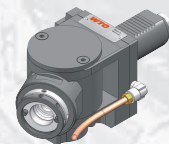
4105... Right angle back set drill/milling unit
Ratio = 1:1, 2:1, 1:2
Coolant supply: external, internal, max. 1160 PSI (80 bar)

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4105... Right angle double spindle drill/milling unit
Ratio = 1:1
Coolant supply: external

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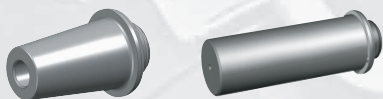
4110... Adjustable angle drill/milling unit
Adjustment: -105° to +105°
Coolant supply: external

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2200...
2201...
2203... Interchangeable spindle

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2202...
2290...

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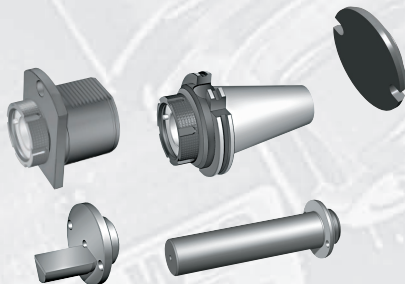
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2310...
2300... for boring bar holders

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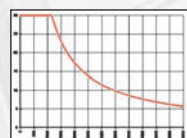


2370... Protection cover
2380... Presetting adapter
2381...
2390... Preset master, master gauge
2391...

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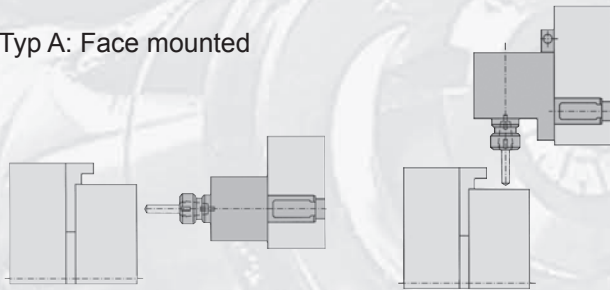
Pressure diagram - internal coolant

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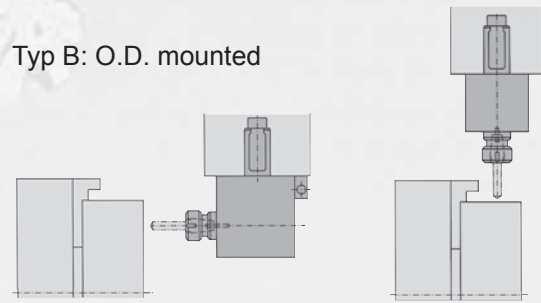
Machine type listing • Turret specification

From the Machine Type listing below, find the turret specification for your machine.
Determine the style of precision driven tool needed from the Program Overview page.
Using the turret specification, select the suitable driven tool from the data sheets.

Typ A: Face mounted



Typ B: O.D. mounted



Maschine Type	Turret specification				Remarks
	VDI ∅D	Turret Manufacturer	Type	Drive coupling	
Benzinger TNI, TCM	25	Sauter	B	DIN 5480	
Boehringer NG 180, NG 200	40	Sauter (L2=120)	B	DIN 5480	Upper turret: also L2=100 mm suitable
Cincinnati Hawk HTC-150M	30	Diplomatic	A	DIN 1809	
Cincinnati Hawk HTC-200M, HTC-250M	40	Diplomatic	A	DIN 1809	
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 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	
Doosan V 420M, V420TM, V 550M, V 550TM	50	Sauter	A	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 E 45 TCM, E 65 TCM	30	Sauter	A	DIN 5480	
Emco ET 332 MC	25	Emco 332	B	DIN 5480	
Emco ET 345 II	30	Diplomatic	A	DIN 1809	Old version New version since 2004
	30	Diplomatic	A	DIN 5480	
Emco ET 365 MC	30	Emco HT-665	B	DIN 5480	
Emco ET 500 MC	40	Diplomatic	A	DIN 1809	Without sub spindle
Emco HT 645, HT 665	30	Emco HT-665	B	DIN 5480	
Emco HT 690	40	Emco HT-690	B	DIN 5480	
Emco ET 700 MC	50	Diplomatic	A	DIN 1809	
Emco ET 900 MC	60	Diplomatic	A	DIN 1809	
Fortune VTurn 36CV, 46CV	50	Sauter	A	DIN 5482	
Fortune VTurn II 16(Y)CV, 20(Y)CV	30	Diplomatic	A	DIN 1809	
	30	Sauter	A	DIN 5480	
Fortune VTurn II 23CV, 26CV	40	Diplomatic	A	DIN 1809	
	40	Sauter	A	DIN 5480	
Fortune VTurn II 23BCV, 26BCV, 26Y(B)CV	40	Sauter (L2=100)	B	DIN 5480	VDI serration: right hand
Gildemeister CTV 200, CTV 250 linear	40	Sauter (L2=100)	B	DIN 5480	
Gildemeister CTX 210, 310	30	Sauter	A	DIN 5480	
Gildemeister CTX 320 linear	30	Sauter	A	DIN 5480	Without sub spindle
Gildemeister CTX 320 linear with sub spindle	30	Sauter (L2=100)	B	DIN 5480	
Gildemeister CTX 410, 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 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 32	25	Sauter	B	DIN 5480	

Maschine Type	Turret specification				Remarks
	VDI ØD	Turret Manufacturer	Type	Drive coupling	
Gildemeister Twin 42	25	Sauter	B	DIN 5480	Frame size 1 – option = VDI 25 Frame size 2 – standard = VDI 30 Frame size 2 – option = VDI 40
	30	Sauter (L2=100)	B	DIN 5480	
	40	Sauter (L2=100)	B	DIN 5480	
Gildemeister Twin 50, 70	30	Sauter (L2=100)	B	DIN 5480	
Gildemeister Twin 65, 102	30	Sauter (L2=100)	B	DIN 5480	Frame size 2 – standard = VDI 30 Frame size 2 – option = VDI 40
	40	Sauter (L2=100)	B	DIN 5480	
Gildemeister Twin 500 linear	40	Sauter (L2=120)	B	DIN 5480	
Graziano GT 300	30	Sauter	A	DIN 5482	Now: CTX 300 Graziano
Graziano GT 300, GT 400 with sub spindle	30	Sauter (L2=85)	B	DIN 5480	Now: CTX 300, CTX 400 Graziano
Graziano GT 400, GT 500	40	Sauter	A	DIN 5482	Now: CTX 400, CTX 500 Graziano
Graziano GT 500 with sub spindle	40	Sauter (L2=100)	B	DIN 5480	Now: CTX 500 Graziano
Graziano GT 700	50	Sauter	A	DIN 5482	Now: CTX 700 Graziano
Haas SL 20 (VDI), 30 (VDI)	40	Haas SL 30 (VDI)	A	1-step	Only VDI turret
Haas SL 40 (VDI), TL-15 (VDI), TL-25 (VDI)	40	Haas SL 40 (VDI)	A	1-step	Only VDI turret
Hardinge Elite 6/42, 8/51	30	Sauter (L2=85)	B	DIN 5480	
Hardinge Quest LMC 42	25	Sauter	B	DIN 5480	
Hardinge Quest 8/51, 10/65	30	Sauter (L2=100)	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 5	40	Sauter	A	DIN 5482	
Heyligenstaedt Heynumat 15	50	Sauter	A	DIN 5482	
Heyligenstaedt Heynumat 20, 21, 24, 25	60	Sauter	A	DIN 5482	
Index C45, C65	25	Index G200	B	1-step	
Index G60, G160, G200	25	Index G200	B	1-step	
Index G250, G300, G300 Flex	30	Index G300	B	1-step	
Index G400	40	Index G400	B	1-step	
Index MS52	30	Index G300	B	1-step	
Index MV200	25	Index G200	B	1-step	
Index V160, V200, V200 Tandem	25	Index G200	B	1-step	
Index V250	30	Index G300	B	1-step	
Index V300	40	Index V300	B	1-step	
Magdeburger M110	30	Sauter	A	DIN 5482	
Magdeburger M120, M160S-4, M160U-2, M160U-4	40	Sauter	A	DIN 5482	
Magdeburger M160GS-4, M160GU-4	40	Sauter (L2=100)	B	DIN 5480	
Magdeburger M300	40	Sauter	A	DIN 5482	
Magdeburger M400S-4, M400U-2	50	Sauter	A	DIN 5482	Standard = VDI 50 Option = VDI 40, VDI 60
	40	Sauter	A	DIN 5482	
	60	Sauter	A	DIN 5482	
Magdeburger M400U-4, M500	50	Sauter	A	DIN 5482	
Magdeburger MV100	30	Sauter (L2=100)	B	DIN 5480	
Magdeburger MVT160U-4	40	Sauter (L2=100)	B	DIN 5480	
Mazak MP-610, MP-6100	40*	Mazak MP-6100	B	DIN 1809	
Mazak MP-620, MP-6200, MP-6200Y	40*	Mazak MP-6200	B	DIN 1809	12 stations turret
Mazak MP-6200Y (16 stations turret)	40*	Mazak MP-6100	B	DIN 1809	
Mazak QT Nexus 200M, 250M	40*	Mazak SQT-200M	B	DIN 1809	12 stations turret
Mazak QT Nexus 200MS, 250MS	40*	Mazak SQT-200MS	B	DIN 1809	12 stations turret, with sub spindle
Mazak SQT-100M	40*	Mazak SQT-100M	B	DIN 1809	
Mazak SQT-100MS	40*	Mazak SQT-100MS	B	DIN 1809	With sub spindle
Mazak SQT-200M, SQT-250M	40*	Mazak SQT-200M	B	DIN 1809	12 stations turret
Mazak SQT-200MS, SQT-250MS	40*	Mazak SQT-200MS	B	DIN 1809	12 stations turret, with sub spindle
Mazak SQT-200M, SQT-250M (16 stations turret)	40*	Mazak SQT-100M	B	DIN 1809	
Mazak SQT-200MS, SQT-250MS (16 stations turret)	40*	Mazak SQT-100MS	B	DIN 1809	With sub spindle
Monforts DNC 3	30	Sauter (L2=100)	B	DIN 5480	
Monforts DNC 5, MHC 5	40	Sauter (L2=120)	B	DIN 5480	
Monforts MNC 500	40	Sauter	A	DIN 5482	Turret 1 Turret 2
	40	Sauter (L2=120)	B	DIN 5480	
Monforts MNC 1000	60	Sauter	A	DIN 5482	Turret 1 + 2 Turret 2 - Option
	50	Sauter	A	DIN 5482	
Monforts RNC 3, RNC 200, 300	30	Sauter	A	DIN 5482	
Monforts RNC 4, 5, RNC 400, 400Y, 500, 500Y, 600	40	Sauter	A	DIN 5482	
Monforts RNC 400 DuoTurn, 500 DuoTurn,	40	Sauter (L2=120)	B	DIN 5480	
Monforts RNC 7, RNC 700	50	Sauter	A	DIN 5482	
Monforts RNC 1000	60	Sauter	A	DIN 5482	
Mori Seiki MT-1500	30	Mori Seiki ZT1000Y	B	DIN 1809	VDI turret
Mori Seiki MT-2002, MT-2500	40	Mori Seiki ZT2500Y	B	DIN 1809	VDI turret
Mori Seiki ZT-1000Y, ZT-1500Y	30	Mori Seiki ZT1000Y	B	DIN 1809	VDI turret
Mori Seiki ZT-2500Y, ZT-2500MC	40	Mori Seiki ZT2500Y	B	DIN 1809	VDI turret

Maschine Type	Turret specification				Remarks
	VDI ØD	Turret Manufacturer	Type	Drive coupling	
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
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 10II-M	30	Okuma LB 200-M	A	1-step	
Okuma LB 15II-M	40	Okuma LB 300-M	A	1-step	
Okuma LB 25II-M	40	Okuma LB 400-M	A	1-step	
Okuma LB 35II-M	50	Okuma LB 35II-M	A	2-step	Old version
	50	Okuma LU 35-M	A	1-step	New version
Okuma LB 45II-M	60	Okuma LU 45-M	A	1-step	
Okuma LB 200-M	30	Okuma LB 200-M	A	1-step	
Okuma LB 300-M, LB 300MY	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 400-M	40	Okuma LB 400-M	A	1-step	
Okuma MacTurn 350	40	Okuma LT 300-M	B	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 25-M	40	Okuma LT 400-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 LT 400-M	40	Okuma LT 400-M	B	1-step	
Okuma LU 15-M	40	Okuma LB 300-M	A	1-step	
Okuma LU 25-M	40	Okuma LB 400-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 LU 300-M	40	Okuma LB 300-M	A	1-step	
Okuma LU 400-M	40	Okuma LB 400-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	
Spinner TC 52-MC, TC 65-MC	30	Sauter	A	DIN 5482	
Spinner TC 77-MC, TC 110-MC	50	Baruffaldi	A	TOEM 250	
Spinner TS 46-MC, TS 66L-MCt	30	Baruffaldi	A	TOEM 160	Without sub spindle
Spinner TS 66H-MC, TS77-MC	40	Baruffaldi	A	TOEM 200	Without sub spindle
Scherer VDZ 120, VDZ 120DS, VDZ 200	30	Sauter (L2=100)	B	DIN 5480	
	40	Sauter (L2=100)	B	DIN 5480	
Scherer VDZ 420, VDZ 420 DS	50	Sauter	B	DIN 5480	
Traub TNA 300	30	Sauter	A	DIN 5482	
Traub TNA 400	40	Sauter	A	DIN 5482	
Traub TNC 42 EG/EGY	25	Traub TNC 42	B	bevel gear	
Traub TNC 42 DG/DGY, TNC 65	30	Traub TNC 65	B	bevel gear	
Victor VTurn 36CV, 46CV	50	Sauter	A	DIN 5482	
Victor VTurn II 16(Y)CV, 20(Y)CV	30	Duplomatic	A	DIN 1809	
	30	Sauter	A	DIN 5480	
Victor VTurn II 23CV, 26CV	40	Duplomatic	A	DIN 1809	
	40	Sauter	A	DIN 5480	
Victor VTurn II 23BCV, 26BCV, 26Y(B)CV	40	Sauter (L2=100)	B	DIN 5480	VDI serration: right hand
Weiler DZ 45	30	Sauter	A	DIN 5482	
Weiler DZ 45 with sub spindle	25	Sauter	B	DIN 5480	
Weiler DZ 67 V1, V2	30	Sauter	A	DIN 5482	
Weiler DZ 67 V3	30	Sauter (L2=85)	B	DIN 5480	With sub spindle
WFL M30	40	Sauter	A	DIN 5482	Old version
	40	Sauter (L2=100)	B	DIN 5480	New version
WFL M40, M60	50	Sauter	A	DIN 5482	

*no VDI standard

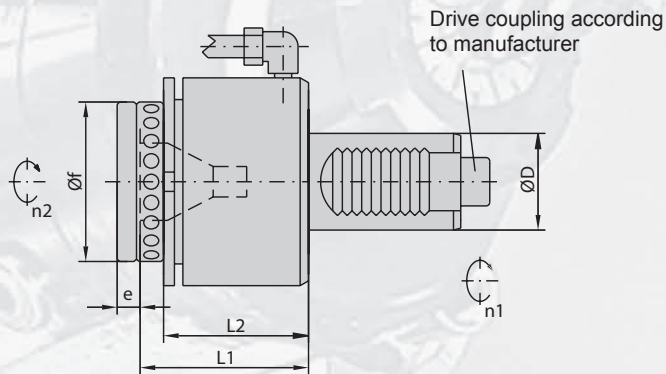
Straight drill/milling unit with WT System

Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1



4101... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data				00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	M Nm	Ratio n1:n2	
410125000-25	25	Index G200	B	1-step	WT-25	6	50	53	52	20	1:1	...000002
410125004-25	25	Sauter Emco 332	B	DIN 5480	WT-25	6	50	66	64	20	1:1	...000004
410125006-25	25	Traub TNC 42	B	bevel gear	WT-25	6	50	53	52	20	1:1	...000002
410125008-30	30	Baruffaldi	A	TOEM 160	WT-25	6	50	68	67	32	1:1	...000004
410125009-30	30	Duplomatic	A	DIN 1809	WT-25	6	50	68	67	32	1:1	...000004
410125005-30	30	Index G300	B	1-step	WT-25	6	50	68	67	32	1:1	...000004
410125060-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	50	68	67	32	1:1	...000004
410125001-30	30	Okuma LB 200-M	A	1-step	WT-25	6	50	68	67	32	1:1	...000004
		Okuma LT 200-M	B									
410125000-30	30	Sauter	A,B	DIN 5480	WT-25	6	50	68	67	32	1:1	...000004
		Emco HT-665	B									
410125011-30	30	Sauter	A	DIN 5482	WT-25	6	50	68	67	32	1:1	...000004
410125012-30	30	Traub TNC 65	B	bevel gear	WT-25	6	50	68	67	32	1:1	...000004
410132002-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	68	60	63	1:1	...000003
410132003-40	40	Duplomatic	A	DIN 1809	WT-32	9	66	68	60	63	1:1	...000003
410132080-40	40	Emag	B	DIN 1809	WT-32	9	66	78	70	63	1:1	...000003
410132088-40	40	Index G400	B	1-step	WT-32	9	66	68	60	63	1:1	...000003
410132007-40	40	Index V300	B	1-step	WT-32	9	66	68	60	63	1:1	...000003
410132004-40	40*	Mazak SQT-100MS	B	DIN 1809	WT-32	9	66	68	60	63	1:1	...000003
410132005-40	40*	Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	68	60	63	1:1	...000003
410132075-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	68	60	63	1:1	...000003
410132006-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	68	60	63	1:1	...000003
		Okuma LT 300-M	B									
		Okuma LVT 300-M	A									
410132009-40	40	Okuma LB 400-M	A	1-step	WT-32	9	66	68	60	63	1:1	...000003
		Okuma LVT 400-M	A									
410132008-40	40	Okuma LT 400-M	B	1-step	WT-32	9	66	68	60	63	1:1	...000003
410132010-40	40	Sauter	A,B	DIN 5480	WT-32	9	66	68	60	63	1:1	...000003
		Emco HT-690	B									
410132011-40	40	Sauter	A	DIN 5482	WT-32	9	66	68	60	63	1:1	...000003

*no VDI standard

Straight drill/milling unit with WT System

Please select suitable turret specification from the Machine Type listing!

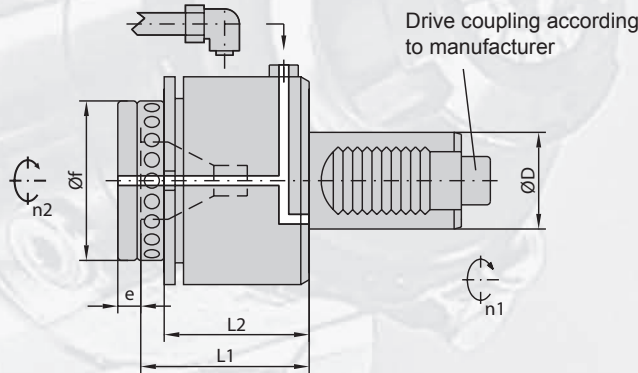
Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1

Max. coolant pressure = 435 PSI (30 bar)

(Check specified coolant pressure diagram!)



4101... (IC) with internal + external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data				Coolant Pressure diagram	Wrench	
	$\varnothing D$	Turret manufacturer	Type	Drive coupling	Size	e	$\varnothing f$	L1	L2	M Nm	Ratio n1:n2			
410125005-25	25	Sauter Emco 332	B	DIN 5480	WT-25	6	50	66	64	20	1:1	D01001	...000004	00676...
410125013-30	30	Baruffaldi	A	TOEM 160	WT-25	6	50	68	67	32	1:1	D01001	...000004	
410125014-30	30	Duplomatic	A	DIN 1809	WT-25	6	50	68	67	32	1:1	D01001	...000004	
410125015-30	30	Index G300	B	1-step	WT-25	6	50	68	67	32	1:1	D01001	...000004	
410125059-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	50	68	67	32	1:1	D01001	...000004	
410125016-30	30	Okuma LB 200-M Okuma LT 200-M	A B	1-step	WT-25	6	50	68	67	32	1:1	D01001	...000004	
410125004-30	30	Sauter Emco HT-665	A,B B	DIN 5480	WT-25	6	50	68	67	32	1:1	D01001	...000004	
410125017-30	30	Sauter	A	DIN 5482	WT-25	6	50	68	67	32	1:1	D01001	...000004	
410132012-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132013-40	40	Duplomatic	A	DIN 1809	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132083-40	40	Emag ¹⁾	B	DIN 1809	WT-32	9	66	82	74	63	1:1	D01013	...000003	
410132089-40	40	Index G400	B	1-step	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132016-40	40	Index V300	B	1-step	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132014-40	40*	Mazak SQT-100MS	B	DIN 1809	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132001-40	40*	Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132072-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132015-40	40	Okuma LB 300-M Okuma LT 300-M Okuma LVT 300-M	A B A	1-step	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132018-40	40	Okuma LB 400-M Okuma LVT 400-M	A A	1-step	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132017-40	40	Okuma LT 400-M	B	1-step	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132019-40	40	Sauter Emco HT-690	A,B B	DIN 5480	WT-32	9	66	68	60	63	1:1	D01007	...000003	
410132020-40	40	Sauter	A	DIN 5482	WT-32	9	66	68	60	63	1:1	D01007	...000003	

*no VDI standard

1) max. coolant pressure = 1160 PSI (80 bar)

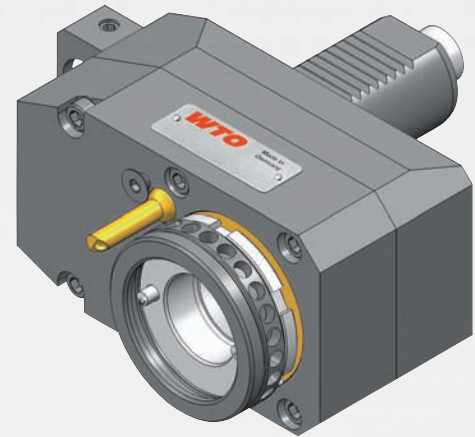
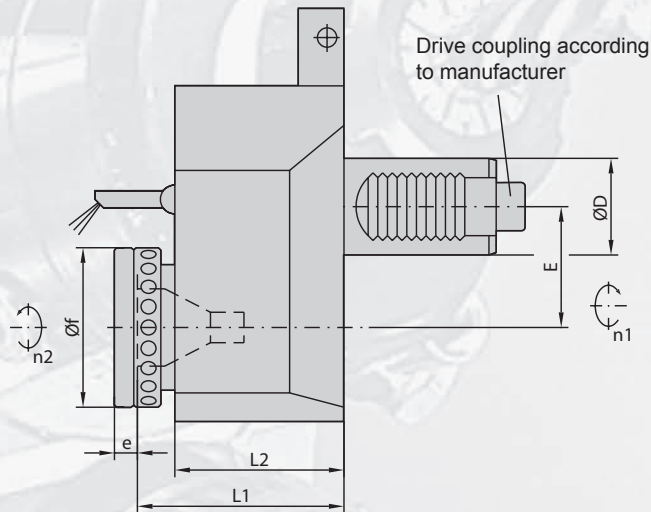
Straight offset drill/milling unit with WT System

Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1



4101... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2	
410125022-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	86	70	50	32	1:1	...000000
410125023-30	30	Duplomatic	A	DIN 1809	WT-25	6	55	86	70	50	32	1:1	...000000
410125025-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	86	70	50	32	1:1	...000000
410125061-30	30	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	32	1:1	...000000
410125030-30	30	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	32	1:1	...000000
410125029-30	30	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	32	1:1	...000000
410132021-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	86	70	50	63	1:1	...000005
410132022-40	40	Duplomatic	A	DIN 1809	WT-32	9	66	86	70	50	63	1:1	...000005
410132024-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	86	70	50	63	1:1	...000005
410132025-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	86	70	50	63	1:1	...000005
410125010-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	86	70	50	32	1:1	...000000
410132026-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	86	70	50	63	1:1	...000005
410132076-40	40	Sauter	A	DIN 5480	WT-32	9	66	86	70	50	63	1:1	...000005
410132029-40	40	Sauter	B	DIN 5480	WT-32	9	66	86	70	50	63	1:1	...000005
410132030-40	40	Sauter	A	DIN 5482	WT-32	9	66	86	70	50	63	1:1	...000005

*no VDI standard

Straight offset drill/milling unit with WT System - HIGH PRESSURE -

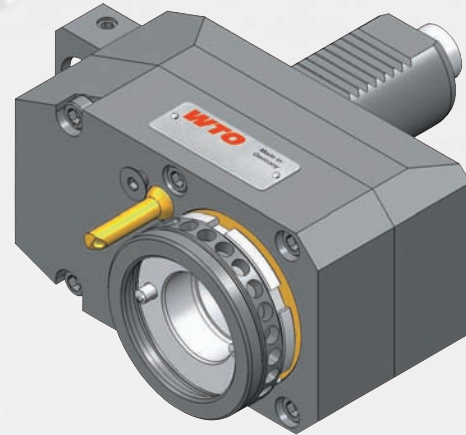
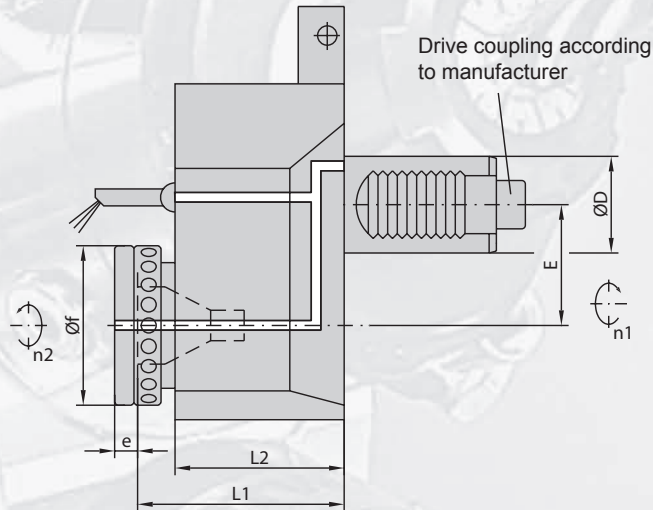
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1

Max. coolant pressure = 1160 PSI (80 bar)



4101... (IC - HP) with internal + external coolant supply

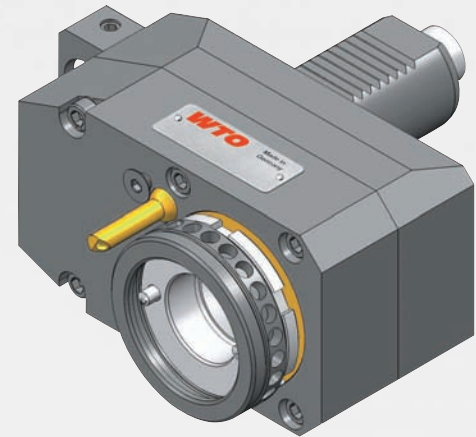
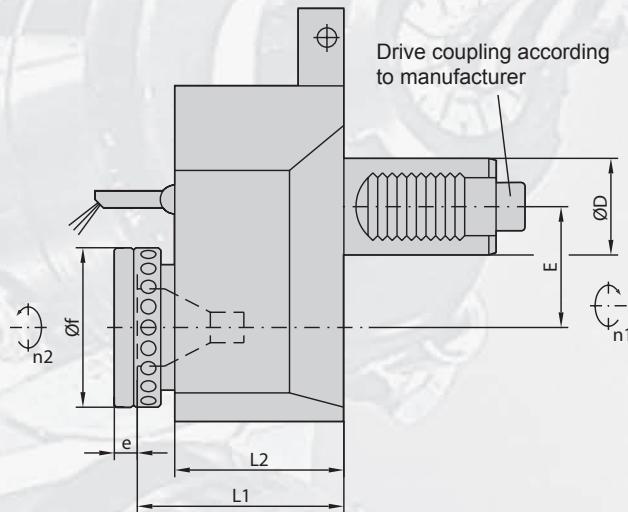
Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2		
410125032-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125033-30	30	Duplomatic	A	DIN 1809	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125035-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125036-30	30	Index G300	B	1-step	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125037-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125038-30	30	Okuma LT 200-M	B	1-step	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125062-30	30	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125019-30	30	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410125039-30	30	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410132031-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132032-40	40	Duplomatic	A	DIN 1809	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132069-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132090-40	40	Index G400	B	1-step	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410125056-40	40	Index V300	B	1-step	WT-25	6	55	85	61	35	20	1:1	D01013	...000000
410132062-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132063-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410125008-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	86	70	50	32	1:1	D01013	...000000
410132034-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132073-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132036-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132038-40	40	Okuma LB 400-M	A	1-step	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132035-40	40	Okuma LT 300-M	B	1-step	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132037-40	40	Okuma LT 400-M	B	1-step	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132084-40	40	Okuma LVT 300-M	A	1-step	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132085-40	40	Okuma LVT 400-M	A	1-step	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132077-40	40	Sauter	A	DIN 5480	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132039-40	40	Sauter	B	DIN 5480	WT-32	9	66	86	70	50	63	1:1	D01013	...000005
410132040-40	40	Sauter	A	DIN 5482	WT-32	9	66	86	70	50	63	1:1	D01013	...000005

*no VDI standard

Straight offset drill/milling unit with WT System - Torque increaser -

Please select suitable turret specification from the Machine Type listing!
 Typ A: Face mounted
 Typ B: O. D. mounted
Ratio = 2:1 (speed reduction)



4101... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Wrench 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2	
410125040-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	86	70	50	63	2:1	...000000
410125041-30	30	Diplomatic	A	DIN 1809	WT-25	6	55	86	70	50	63	2:1	...000000
410125043-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	86	70	50	63	2:1	...000000
410125044-30	30	Index G300	B	1-step	WT-25	6	55	86	70	50	63	2:1	...000000
410125045-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	86	70	50	63	2:1	...000000
410125046-30	30	Okuma LT 200-M	B	1-step	WT-25	6	55	86	70	50	63	2:1	...000000
410125063-30	30	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	63	2:1	...000000
410125048-30	30	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	63	2:1	...000000
410125047-30	30	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	63	2:1	...000000
410132041-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	86	70	50	100	2:1	...000005
410132042-40	40	Diplomatic	A	DIN 1809	WT-32	9	66	86	70	50	100	2:1	...000005
410132086-40	40	Emag	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	...000005
410132070-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	86	70	50	100	2:1	...000005
410132091-40	40	Index G400	B	1-step	WT-32	9	66	86	70	50	100	2:1	...000005
410125054-40	40	Index V300	B	1-step	WT-25	6	55	85	61	35	40	2:1	...000000
410132066-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	...000005
410132067-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	...000005
410125007-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	86	70	50	63	2:1	...000000
410132044-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	...000005
410132068-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	...000005
410132046-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	86	70	50	100	2:1	...000005
410132048-40	40	Okuma LB 400-M	A	1-step	WT-32	9	66	86	70	50	100	2:1	...000005
410132045-40	40	Okuma LT 300-M	B	1-step	WT-32	9	66	86	70	50	100	2:1	...000005
410132047-40	40	Okuma LT 400-M	B	1-step	WT-32	9	66	86	70	50	100	2:1	...000005
410132078-40	40	Sauter	A	DIN 5480	WT-32	9	66	86	70	50	100	2:1	...000005
410132049-40	40	Sauter	B	DIN 5480	WT-32	9	66	86	70	50	100	2:1	...000005
410132050-40	40	Sauter	A	DIN 5482	WT-32	9	66	86	70	50	100	2:1	...000005

*no VDI standard

Straight offset drill/milling unit with WT System - Torque increaser - HIGH PRESSURE

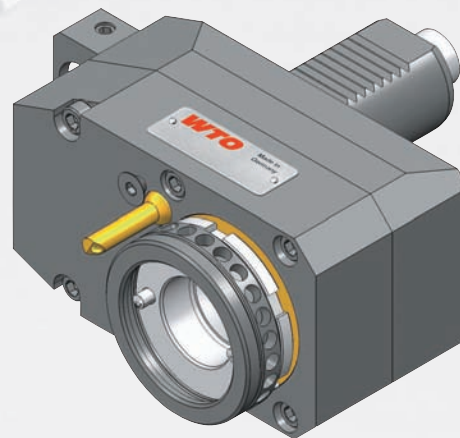
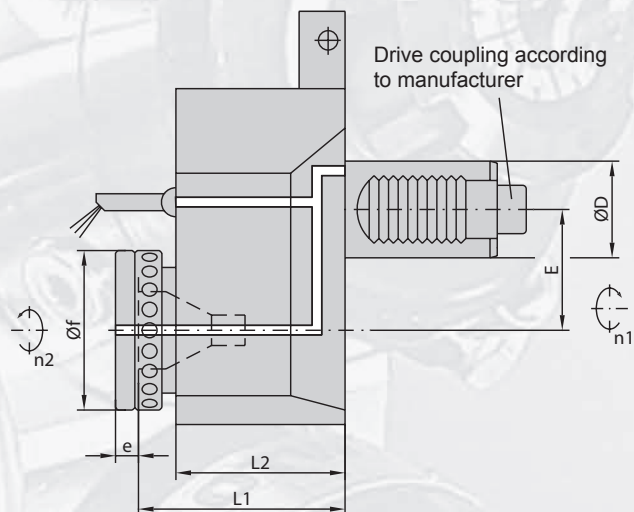
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 2:1 (speed reduction)

Max. coolant pressure = 1160 PSI (80 bar)



4101... (IC - HP) with internal + external coolant supply

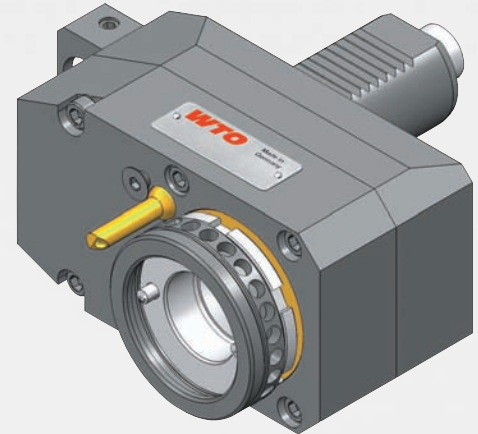
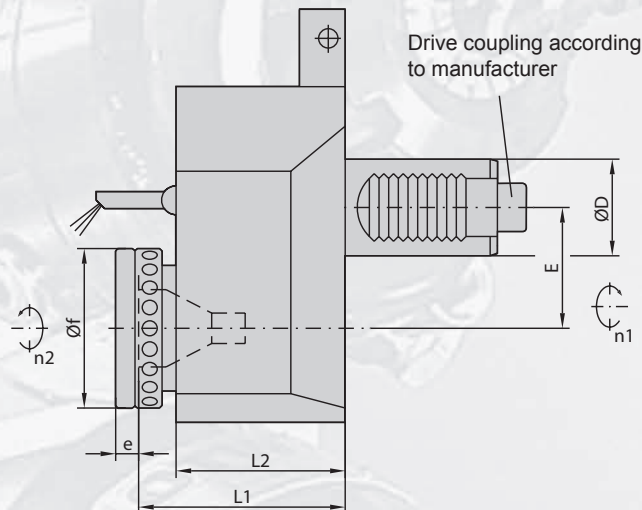
Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2		
410125050-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125051-30	30	Duplomatic	A	DIN 1809	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125053-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125054-30	30	Index G300	B	1-step	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125055-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125056-30	30	Okuma LT 200-M	B	1-step	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125064-30	30	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125058-30	30	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410125057-30	30	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410132051-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132052-40	40	Duplomatic	A	DIN 1809	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132087-40	40	Emag	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132071-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132092-40	40	Index G400	B	1-step	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410125055-40	40	Index V300	B	1-step	WT-25	6	55	85	61	35	40	2:1	D01013	...000000
410132064-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132065-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410125009-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	86	70	50	63	2:1	D01013	...000000
410132054-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132074-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132056-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132058-40	40	Okuma LB 400-M	A	1-step	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132055-40	40	Okuma LT 300-M	B	1-step	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132057-40	40	Okuma LT 400-M	B	1-step	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132079-40	40	Sauter	A	DIN 5480	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132059-40	40	Sauter	B	DIN 5480	WT-32	9	66	86	70	50	100	2:1	D01013	...000005
410132060-40	40	Sauter	A	DIN 5482	WT-32	9	66	86	70	50	100	2:1	D01013	...000005

*no VDI standard

Straight offset drill/milling unit with WT System - Speed increaser -

Please select suitable turret specification from the Machine Type listing!
 Typ A: Face mounted
 Typ B: O. D. mounted
Ratio = 1:2 (speed increase)



4101... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Wrench 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2	
410116023-25	25	Index G200	B	1-step	WT-16	5	32	62	50	35	16	1:2	...000008
410116024-25	25	Sauter	B	DIN 5480	WT-16	5	32	80	63	35	16	1:2	...000004
410125068-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	86	70	50	25	1:2	...000000
410125069-30	30	Diplomatic	A	DIN 1809	WT-25	6	55	86	70	50	25	1:2	...000000
410125070-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	86	70	50	25	1:2	...000000
410125071-30	30	Index G300	B	1-step	WT-25	6	55	86	70	50	25	1:2	...000000
410125072-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	86	70	50	25	1:2	...000000
410116101-30	30	Okuma LT 200-M	B	1-step	WT-16	5	32	80	63	35	16	1:2	...000004
410125073-30	30	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	25	1:2	...000000
410125074-30	30	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	25	1:2	...000000
410125075-30	30	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	25	1:2	...000000
410125013-40	40	Baruffaldi	A	TOEM 200	WT-25	6	55	86	70	50	40	1:2	...000000
410125014-40	40	Diplomatic	A	DIN 1809	WT-25	6	55	86	70	50	40	1:2	...000000
410125016-40	40	Emag	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	...000000
410125017-40	40	Emco HT-690	B	DIN 5480	WT-25	6	55	86	70	50	40	1:2	...000000
410125050-40	40	Index G400	B	1-step	WT-25	6	55	86	70	50	40	1:2	...000000
410125015-40	40	Index V300	B	1-step	WT-25	6	55	83	63	35	10	1:2	...000000
410125018-40	40*	Mazak MP-6100	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	...000000
410125019-40	40*	Mazak MP-6200	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	...000000
410125020-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	...000000
410125021-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	...000000
410125022-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	...000000
410125024-40	40	Okuma LB 300-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	...000000
410125027-40	40	Okuma LB 400-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	...000000
410125023-40	40	Okuma LT 300-M	B	1-step	WT-25	6	55	86	70	50	40	1:2	...000000
410125026-40	40	Okuma LT 400-M	B	1-step	WT-25	6	55	86	70	50	40	1:2	...000000
410125025-40	40	Okuma LVT 300-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	...000000
410125028-40	40	Okuma LVT 400-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	...000000
410125029-40	40	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	40	1:2	...000000
410125012-40	40	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	40	1:2	...000000
410125030-40	40	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	40	1:2	...000000

*no VDI standard

Straight offset drill/milling unit with WT System - Speed increaser - HIGH PRESSURE

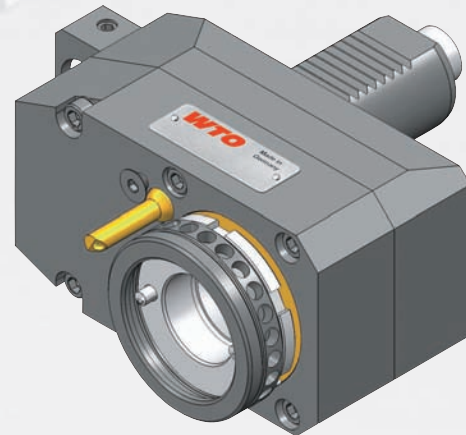
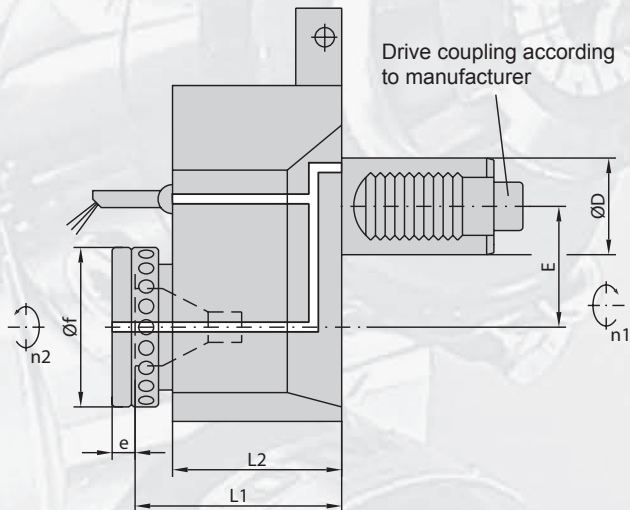
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:2 (speed increase)

Max. coolant pressure = 1160 PSI (80 bar)



4101... (IC - HP) with internal + external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2		
410125076-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125077-30	30	Diplomatic	A	DIN 1809	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125065-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125078-30	30	Index G300	B	1-step	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125079-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125080-30	30	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125081-30	30	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125082-30	30	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	25	1:2	D01013	...000000
410125031-40	40	Baruffaldi	A	TOEM 200	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125032-40	40	Diplomatic	A	DIN 1809	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125034-40	40	Emag	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125035-40	40	Emco HT-690	B	DIN 5480	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125051-40	40	Index G400	B	1-step	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125036-40	40*	Mazak MP-6100	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125037-40	40*	Mazak MP-6200	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125038-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125039-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125040-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125042-40	40	Okuma LB 300-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125045-40	40	Okuma LB 400-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125041-40	40	Okuma LT 300-M	B	1-stufig	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125044-40	40	Okuma LT 400-M	B	1-step	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125043-40	40	Okuma LVT 300-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125046-40	40	Okuma LVT 400-M	A	1-step	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125047-40	40	Sauter	A	DIN 5480	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125048-40	40	Sauter	B	DIN 5480	WT-25	6	55	86	70	50	40	1:2	D01013	...000000
410125049-40	40	Sauter	A	DIN 5482	WT-25	6	55	86	70	50	40	1:2	D01013	...000000

*no VDI standard

Right angle drill/milling unit with WT System

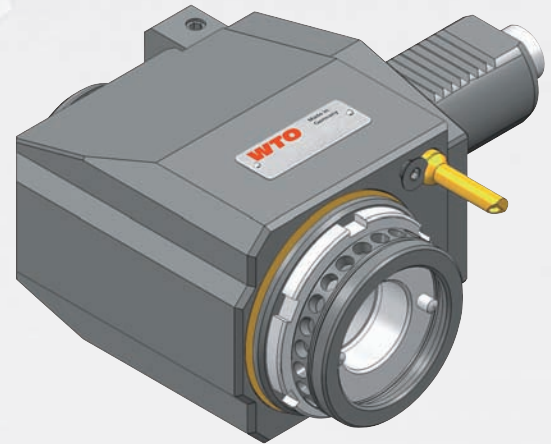
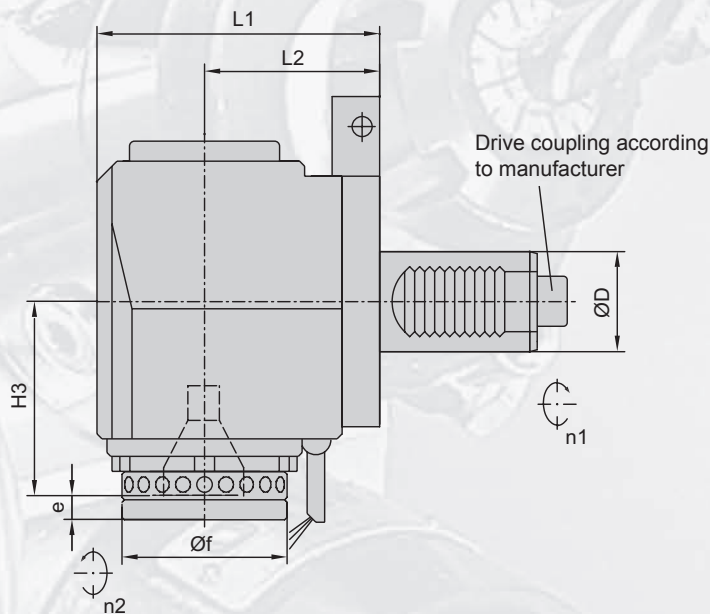
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1

180° reversible head



4105... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Wrench
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2	
410525000-25	25	Index G200	B	1-step	WT-25	6	55	105	70	63	20	1:1	00676...
410525004-25	25	Sauter	B	DIN 5480	WT-25	6	55	110	75	63	20	1:1	...000000
410525011-25	25	Traub TNC 42	B	bevel gear	WT-25	6	55	100	65	63	20	1:1	...000000
410525026-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	135	100	63	32	1:1	...000000
410525027-30	30	Index G300	B	1-step	WT-25	6	55	125	90	63	32	1:1	...000000
410525073-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	55	100	65	63	32	1:1	...000006
410525085-30	30	Okuma LT 200-M ¹⁾	B	1-step	WT-25	6	55	125	90	67	32	1:1	...000000
410525002-30	30	Sauter (L2=85)	B	DIN 5480	WT-25	6	55	120	85	63	32	1:1	...000000
410525000-30	30	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	135	100	63	32	1:1	...000000
410525067-30	30	Traub TNC 65	B	bevel gear	WT-25	6	55	110	75	63	32	1:1	...000000
410532069-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	143	100	76	63	1:1	...000001
410532098-40	40	Index G400	B	1-step	WT-32	9	66	147	110	77	63	1:1	...000001
410532099-40	40	Index V300	B	1-step	WT-32	9	66	127	90	77	63	1:1	...000001
410532064-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	152	115	77	63	1:1	...000001
410532065-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	167	130	77	63	1:1	...000001
410532016-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-32	9	66	137	100	77	63	1:1	...000001
410532017-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	167	130	77	63	1:1	...000001
410532083-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	153	110	76	63	1:1	...000001
410532018-40	40	Okuma LT 300-M ¹⁾	B	1-step	WT-32	9	66	133	90	76	63	1:1	...000001
410532020-40	40	Okuma LT 400-M ¹⁾	B	1-step	WT-32	9	66	143	100	76	63	1:1	...000001
410532090-40	40	Okuma LVT300-M ¹⁾	A	1-step	WT-32	9	66	113	70	76	63	1:1	...000001
410532092-40	40	Okuma LVT400-M ¹⁾	A	1-step	WT-32	9	66	113	70	76	63	1:1	...000001
410532022-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	76	63	1:1	...000001
410532079-40	40	Sauter (L2=120)	B	DIN 5480	WT-32	9	66	157	120	77	63	1:1	...000001

*no VDI standard

1) direction of rotation: n1 = n2

Right angle drill/milling unit with WT System - HIGH PRESSURE -

Please select suitable turret specification from the Machine Type listing!

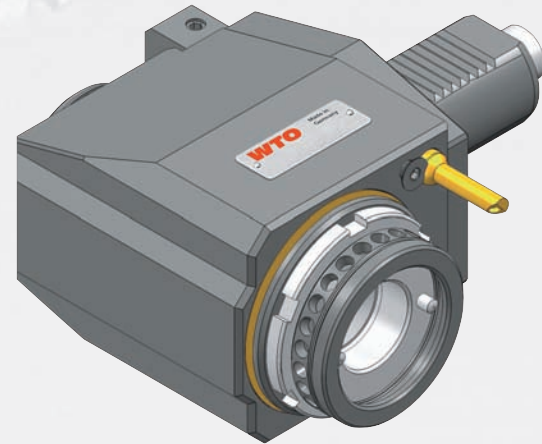
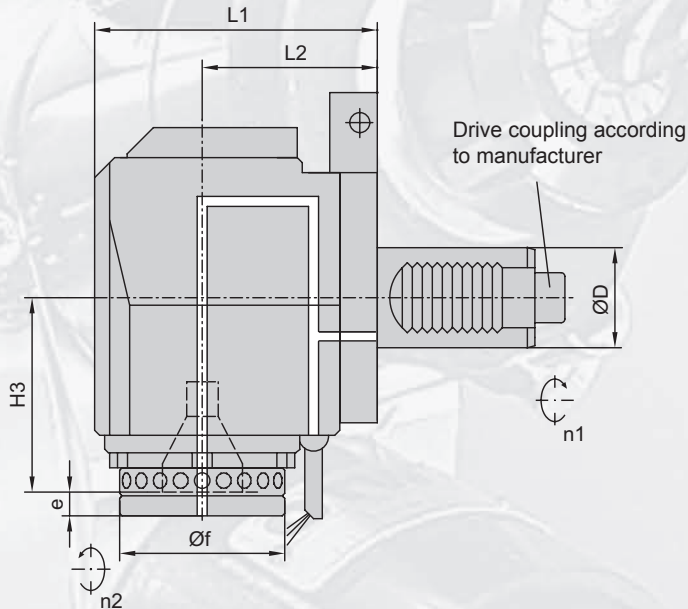
Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1

Max. coolant pressure = 1160 PSI (80 bar)

180° reversible head



4105... (IC - HP) with internal + external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2		
410525001-25	25	Index G200	B	1-step	WT-25	6	55	105	70	63	20	1:1	D01013	...000000
410525005-25	25	Sauter	B	DIN 5480	WT-25	6	55	110	75	63	20	1:1	D01013	...000000
410525014-25	25	Traub TNC 42	B	bevel gear	WT-25	6	55	100	65	63	20	1:1	D01013	...000000
410525032-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	135	100	63	32	1:1	D01013	...000000
410525034-30	30	Index G300	B	1-step	WT-25	6	55	125	90	63	32	1:1	D01013	...000000
410525072-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	55	100	65	63	32	1:1	D01013	...000006
410525035-30	30	Okuma LT 200-M ¹⁾	B	1-step	WT-25	6	55	125	90	67	32	1:1	D01013	...000000
410525005-30	30	Sauter (L2=85)	B	DIN 5480	WT-25	6	55	120	85	63	32	1:1	D01013	...000000
410525004-30	30	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	135	100	63	32	1:1	D01013	...000000
410532071-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	143	100	76	63	1:1	D01013	...000001
410532100-40	40	Index G400	B	1-step	WT-32	9	66	147	110	77	63	1:1	D01013	...000001
410532101-40	40	Index V300	B	1-step	WT-32	9	66	127	90	77	63	1:1	D01013	...000001
410532066-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	152	115	77	63	1:1	D01013	...000001
410532067-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	167	130	77	63	1:1	D01013	...000001
410532026-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-32	9	66	137	100	77	63	1:1	D01013	...000001
410532027-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	167	130	77	63	1:1	D01013	...000001
410532077-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	153	110	76	63	1:1	D01013	...000001
410532028-40	40	Okuma LT 300-M ¹⁾	B	1-step	WT-32	9	66	133	90	76	63	1:1	D01013	...000001
410532030-40	40	Okuma LT 400-M ¹⁾	B	1-step	WT-32	9	66	143	100	76	63	1:1	D01013	...000001
410532091-40	40	Okuma LVT300-M ¹⁾	A	1-step	WT-32	9	66	113	70	76	63	1:1	D01013	...000001
410532093-40	40	Okuma LVT400-M ¹⁾	A	1-step	WT-32	9	66	113	70	76	63	1:1	D01013	...000001
410532032-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	76	63	1:1	D01013	...000001
410532080-40	40	Sauter (L2=120)	B	DIN 5480	WT-32	9	66	157	120	77	63	1:1	D01013	...000001

*no VDI standard

1) direction of rotation: n1 = n2

Right angle drill/milling unit with WT System - Torque increaser -

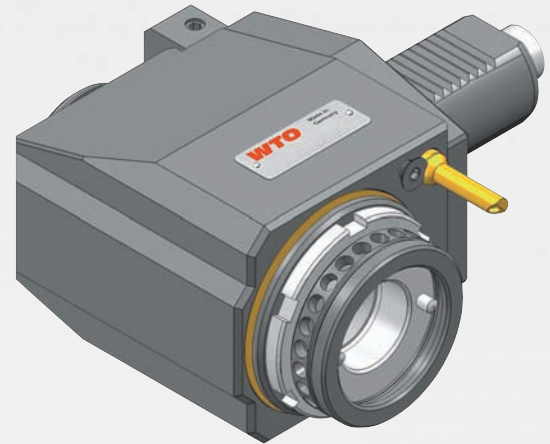
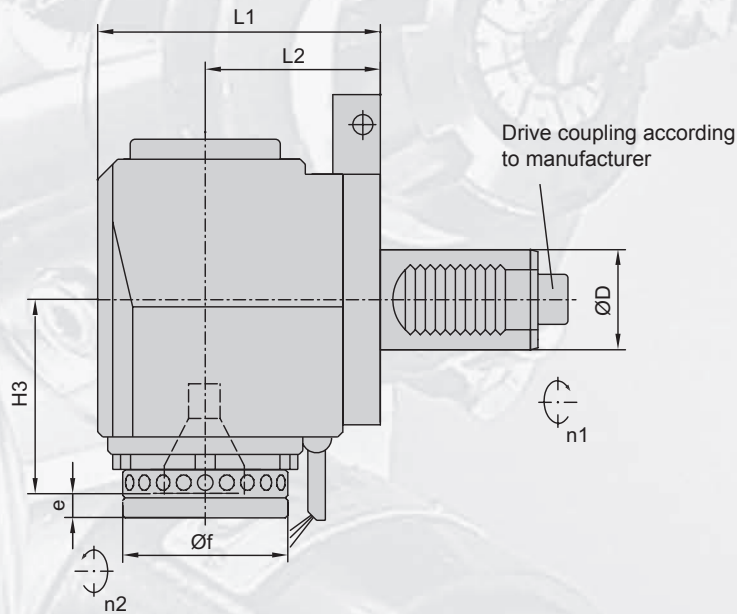
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 2:1 (speed reduction)

180° reversible head



4105... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2	
410525008-25	25	Index G200	B	1-step	WT-25	6	55	105	70	63	40	2:1	...000000
410525016-25	25	Sauter	B	DIN 5480	WT-25	6	55	110	75	63	40	2:1	...000000
410525017-25	25	Traub TNC 42	B	bevel gear	WT-25	6	55	100	65	63	40	2:1	...000000
410525039-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	135	100	63	50	2:1	...000000
410525042-30	30	Index G300	B	1-step	WT-25	6	55	125	90	63	50	2:1	...000000
410525071-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	55	100	65	63	50	2:1	...000006
410525043-30	30	Okuma LT 200-M ¹⁾	B	1-step	WT-25	6	55	125	90	67	50	2:1	...000000
410525044-30	30	Sauter (L2=85)	B	DIN 5480	WT-25	6	55	120	85	63	50	2:1	...000000
410525045-30	30	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	135	100	63	50	2:1	...000000
410525046-30	30	Traub TNC 65	B	bevel gear	WT-25	6	55	110	75	63	50	2:1	...000000
410532073-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	143	100	76	80	2:1	...000001
410532102-40	40	Index G400	B	1-step	WT-32	9	66	148	110	76	70	2:1	...000001
410532103-40	40	Index V300	B	1-step	WT-32	9	66	128	90	76	70	2:1	...000001
410532039-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	153	115	76	70	2:1	...000001
410532041-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	168	130	76	70	2:1	...000001
410532036-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-32	9	66	138	100	76	70	2:1	...000001
410532037-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	168	130	76	70	2:1	...000001
410532076-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	153	110	76	80	2:1	...000001
410532106-40	40	Okuma LVT300-M ¹⁾	A	1-step	WT-32	9	66	113	70	76	80	2:1	...000001
410532042-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	76	80	2:1	...000001
410532081-40	40	Sauter (L2=120)	B	DIN 5480	WT-32	9	66	158	120	76	70	2:1	...000001

*no VDI standard

1) direction of rotation: n1 = n2

Right angle drill/milling unit with WT System - Torque increaser - HIGH PRESSURE

Please select suitable turret specification from the Machine Type listing!

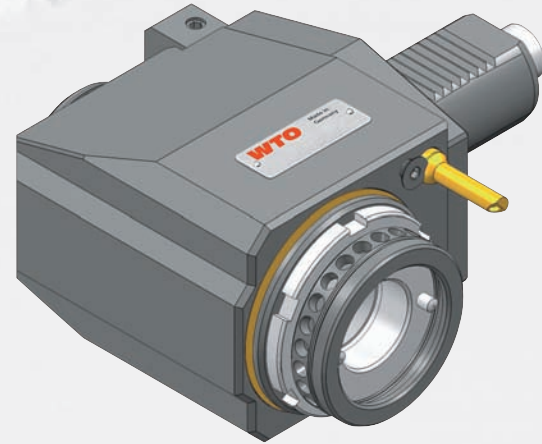
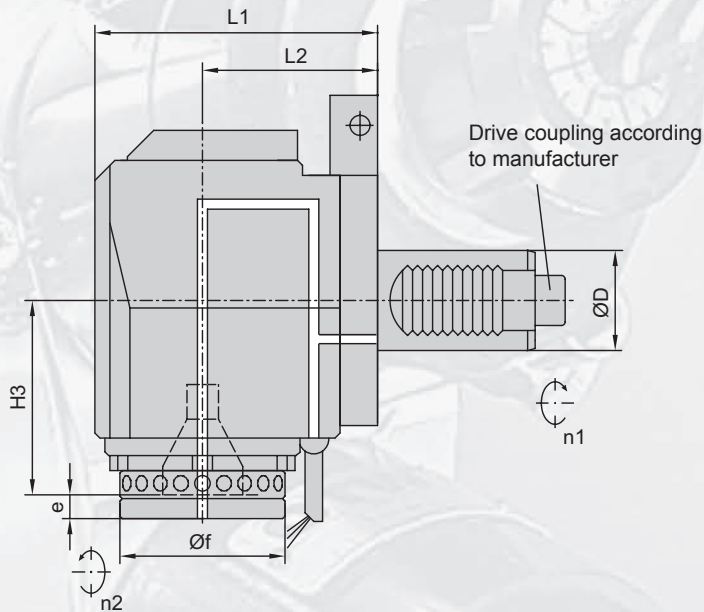
Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 2:1 (speed reduction)

180° reversible head

Max. coolant pressure = 1160 PSI (80 bar)



4105... (IC - HP) with internal + external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2		
410525019-25	25	Index G200	B	1-step	WT-25	6	55	105	70	63	40	2:1	D01013	...000000
410525020-25	25	Sauter	B	DIN 5480	WT-25	6	55	110	75	63	40	2:1	D01013	...000000
410525040-25	25	Traub TNC 42	B	bevel gear	WT-25	6	55	100	65	63	40	2:1	D01013	...000000
410525047-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	135	100	63	50	2:1	D01013	...000000
410525048-30	30	Index G300	B	1-step	WT-25	6	55	125	90	63	50	2:1	D01013	...000000
410525081-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	55	100	65	63	50	2:1	D01013	...000006
410525049-30	30	Okuma LT 200-M ¹⁾	B	1-step	WT-25	6	55	125	90	67	50	2:1	D01013	...000000
410525050-30	30	Sauter (L2=85)	B	DIN 5480	WT-25	6	55	120	85	63	50	2:1	D01013	...000000
410525051-30	30	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	135	100	63	50	2:1	D01013	...000000
410532075-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	143	100	76	80	2:1	D01013	...000001
410532104-40	40	Index G400	B	1-step	WT-32	9	66	148	110	76	70	2:1	D01013	...000001
410532105-40	40	Index V300	B	1-step	WT-32	9	66	128	90	76	70	2:1	D01013	...000001
410532044-40	40*	Mazak MP-6100	B	DIN 1809	WT-32	9	66	153	115	76	70	2:1	D01013	...000001
410532045-40	40*	Mazak MP-6200	B	DIN 1809	WT-32	9	66	168	130	76	70	2:1	D01013	...000001
410532046-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-32	9	66	138	100	76	70	2:1	D01013	...000001
410532047-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-32	9	66	168	130	76	70	2:1	D01013	...000001
410532078-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	153	110	76	80	2:1	D01013	...000001
410532107-40	40	Okuma LVT300-M ¹⁾	A	1-step	WT-32	9	66	113	70	76	80	2:1	D01013	...000001
410532052-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	76	80	2:1	D01013	...000001
410532082-40	40	Sauter (L2=120)	B	DIN 5480	WT-32	9	66	158	120	76	70	2:1	D01013	...000001

*no VDI standard

1) direction of rotation: n1 = n2

Right angle drill/milling unit with WT System - Speed increaser -

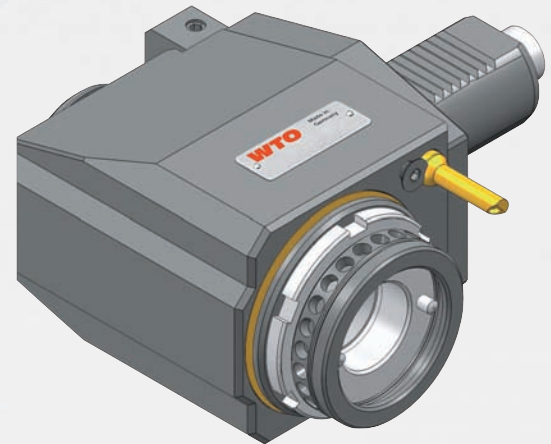
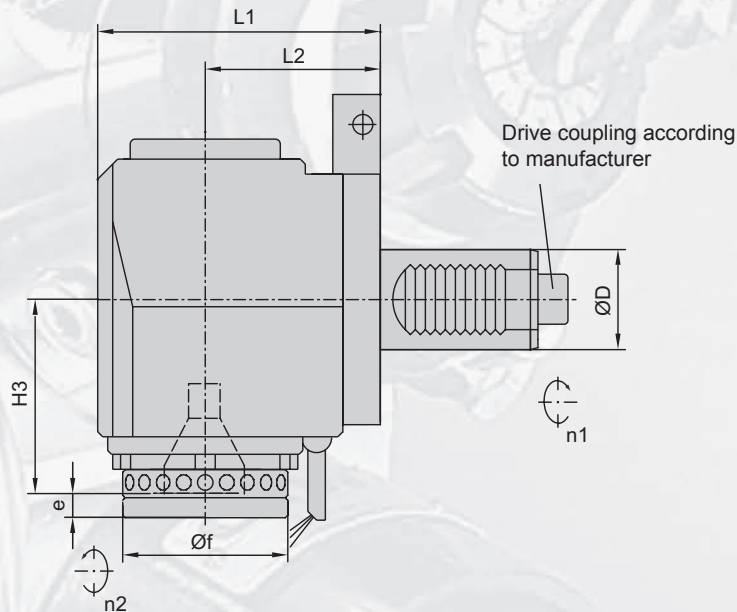
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:2 (speed increase)

180° reversible head



4105... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Wrench
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2	
410516027-25	25	Index G200	B	1-step	WT-16	5	32	100	70	60	15	1:2	00676...
410516037-25	25	Sauter	B	DIN 5480	WT-16	5	32	105	75	60	15	1:2	...000009
410516041-25	25	Traub TNC 42	B	bevel gear	WT-16	5	32	95	65	60	15	1:2	...000009
410525088-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	130	100	61	20	1:2	...000000
410525089-30	30	Index G300	B	1-step	WT-25	6	55	120	90	61	20	1:2	...000000
410525090-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	55	95	65	61	20	1:2	...000006
410516158-30	30	Okuma LT 200-M	B	1-step	WT-16	5	32	120	90	60	15	1:2	...000009
410525094-30	30	Sauter (L2=85)	B	DIN 5480	WT-25	6	55	115	85	61	20	1:2	...000000
410525095-30	30	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	130	100	61	20	1:2	...000000
410525106-30	30	Traub TNC 65	B	bevel gear	WT-25	6	55	105	75	61	20	1:2	...000000
410525011-40	40	Baruffaldi	A	TOEM 200	WT-25	6	55	107	70	76	40	1:2	...000000
410525012-40	40	Duplomatic	A	DIN 1809	WT-25	6	55	107	70	76	40	1:2	...000000
410525013-40	40	Emag	B	DIN 1809	WT-25	6	55	112	75	76	40	1:2	...000000
410525014-40	40	Emco HT-690	B	DIN 5480	WT-25	6	55	137	100	76	40	1:2	...000000
410525015-40	40	Index G400	B	1-step	WT-25	6	55	147	110	76	40	1:2	...000000
410525016-40	40	Index V300	B	1-step	WT-25	6	55	127	90	76	40	1:2	...000000
410525017-40	40*	Mazak MP-6100	B	DIN 1809	WT-25	6	55	152	115	76	40	1:2	...000000
410525018-40	40*	Mazak MP-6200	B	DIN 1809	WT-25	6	55	167	130	76	40	1:2	...000000
410525019-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	137	100	76	40	1:2	...000000
410525020-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-25	6	55	167	130	76	40	1:2	...000000
410525021-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-25	6	55	147	110	76	40	1:2	...000000
410525024-40	40	Okuma LB 300-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	...000000
410525025-40	40	Okuma LB 400-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	...000000
410525022-40	40	Okuma LT 300-M	B	1-step	WT-25	6	55	127	90	76	40	1:2	...000000
410525023-40	40	Okuma LT 400-M	B	1-step	WT-25	6	55	137	100	76	40	1:2	...000000
410525026-40	40	Okuma LVT 300-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	...000000
410525027-40	40	Okuma LVT 400-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	...000000
410525028-40	40	Sauter	A	DIN 5480	WT-25	6	55	107	70	76	40	1:2	...000000
410525029-40	40	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	137	100	76	40	1:2	...000000
410525009-40	40	Sauter (L2=120)	B	DIN 5480	WT-25	6	55	157	120	76	40	1:2	...000000
410525030-40	40	Sauter	A	DIN 5482	WT-25	6	55	107	70	76	40	1:2	...000000

*no VDI standard

Right angle drill/milling unit with WT System - Speed increaser - HIGH PRESSURE

Please select suitable turret specification from the Machine Type listing!

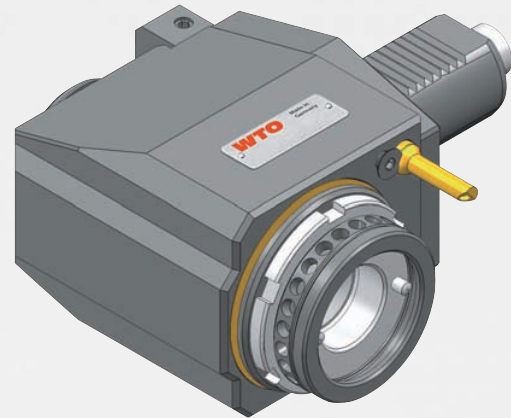
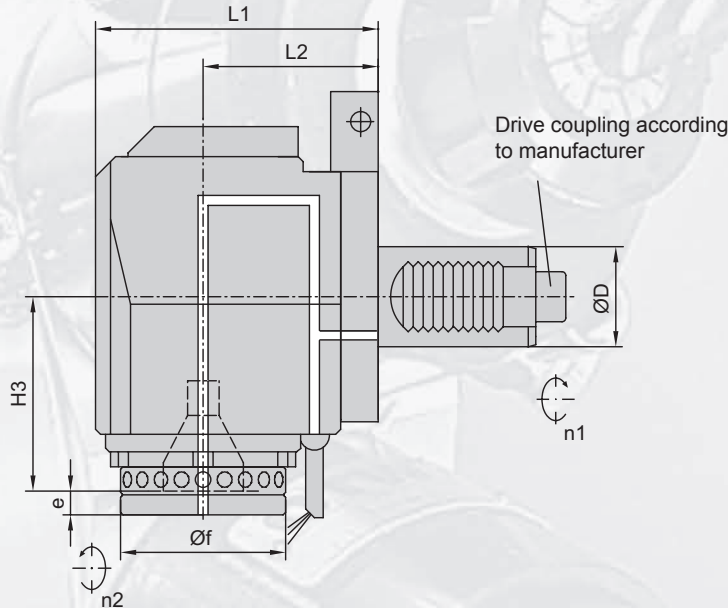
Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:2 (speed increase)

Max. coolant pressure = 1160 PSI (80 bar)

180° reversible head



4105... (IC - HP) with internal + external coolant supply

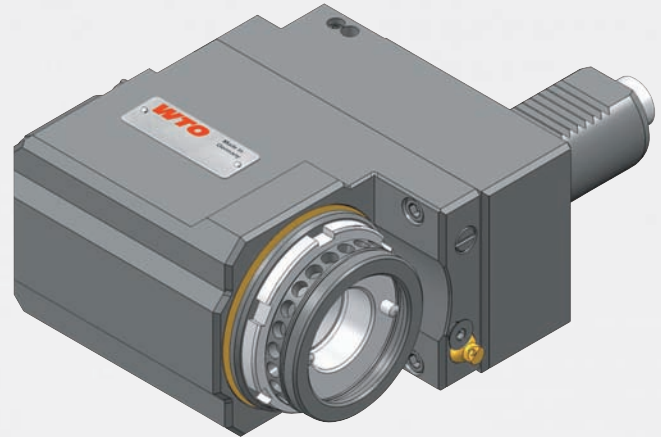
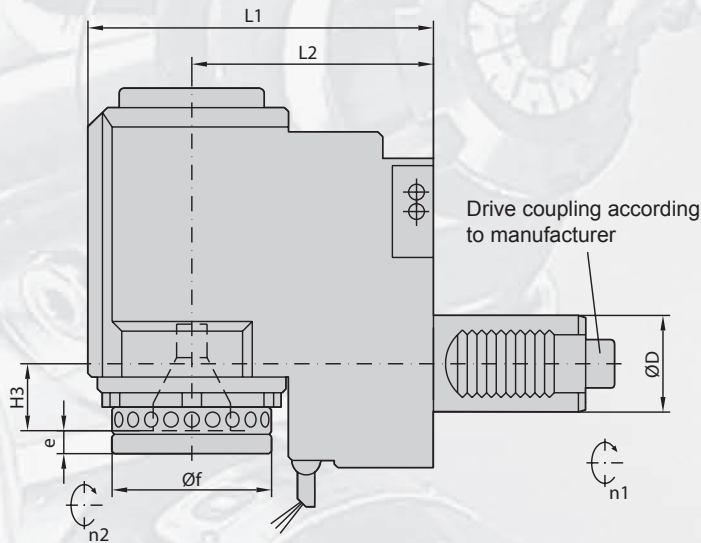
Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant		00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2	Pressure diagram		
410516039-25	25	Index G200	B	1-step	WT-16	5	32	100	70	60	15	1:2	D01013	...000009	
410516040-25	25	Sauter	B	DIN 5480	WT-16	5	32	105	75	60	15	1:2	D01013	...000009	
410516042-25	25	Traub TNC 42	B	bevel gear	WT-16	5	32	95	65	60	15	1:2	D01013	...000009	
410525082-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	130	100	61	20	1:2	D01013	...000000	
410525098-30	30	Index G300	B	1-step	WT-25	6	55	120	90	61	20	1:2	D01013	...000000	
410525099-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	55	95	65	61	20	1:2	D01013	...000006	
410516159-30	30	Okuma LT 200-M	B	1-step	WT-16	5	32	120	90	60	15	1:2	D01013	...000009	
410525102-30	30	Sauter (L2=85)	B	DIN 5480	WT-25	6	55	115	85	61	20	1:2	D01013	...000000	
410525103-30	30	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	130	100	61	20	1:2	D01013	...000000	
410525031-40	40	Baruffaldi	A	TOEM 200	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	
410525032-40	40	Duplomatic	A	DIN 1809	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	
410525033-40	40	Emag	B	DIN 1809	WT-25	6	55	112	75	76	40	1:2	D01013	...000000	
410525034-40	40	Emco HT-690	B	DIN 5480	WT-25	6	55	137	100	76	40	1:2	D01013	...000000	
410525035-40	40	Index G400	B	1-step	WT-25	6	55	147	110	76	40	1:2	D01013	...000000	
410525036-40	40	Index V300	B	1-step	WT-25	6	55	127	90	76	40	1:2	D01013	...000000	
410525037-40	40*	Mazak MP-6100	B	DIN 1809	WT-25	6	55	152	115	76	40	1:2	D01013	...000000	
410525038-40	40*	Mazak MP-6200	B	DIN 1809	WT-25	6	55	167	130	76	40	1:2	D01013	...000000	
410525039-40	40*	Mazak SQT-100M Mazak SQT-100MS	B	DIN 1809	WT-25	6	55	137	100	76	40	1:2	D01013	...000000	
410525040-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-25	6	55	167	130	76	40	1:2	D01013	...000000	
410525041-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-25	6	55	147	110	76	40	1:2	D01013	...000000	
410525044-40	40	Okuma LB 300-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	
410525045-40	40	Okuma LB 400-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	
410525042-40	40	Okuma LT 300-M	B	1-step	WT-25	6	55	127	90	76	40	1:2	D01013	...000000	
410525043-40	40	Okuma LT 400-M	B	1-step	WT-25	6	55	137	100	76	40	1:2	D01013	...000000	
410525046-40	40	Okuma LVT 300-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	
410525047-40	40	Okuma LVT 400-M	A	1-step	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	
410525048-40	40	Sauter	A	DIN 5480	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	
410525049-40	40	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	137	100	76	40	1:2	D01013	...000000	
410525010-40	40	Sauter (L2=120)	B	DIN 5480	WT-25	6	55	157	120	76	40	1:2	D01013	...000000	
410525050-40	40	Sauter	A	DIN 5482	WT-25	6	55	107	70	76	40	1:2	D01013	...000000	

*no VDI standard

Right angle back set drill/milling unit with WT System

Please select suitable turret specification from the Machine Type listing!
 Typ A: Face mounted
 Typ B: O. D. mounted
Ratio = 1:1



4105... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Wrench 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2	
410525009-25	25	Emco 332	B	DIN 5480	WT-25	6	55	104	75	26	20	1:1	...000007
410525010-25	25	Sauter	B	DIN 5480	WT-25	6	55	104	75	26	20	1:1	...000007
410525014-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	120	85	21	32	1:1	...000000
410525015-30	30	Diplomatic	A	DIN 1809	WT-25	6	55	120	85	21	32	1:1	...000000
410525110-30	30	Index G300 ¹⁾	B	1-step	WT-25	6	55	125	90	21	32	1:1	...000000
410525016-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	120	85	21	32	1:1	...000000
410525077-30	30	Sauter	A	DIN 5480	WT-25	6	55	120	85	21	32	1:1	...000000
410525119-30	30	Sauter (L2=100) ¹⁾	B	DIN 5480	WT-25	6	55	135	100	21	32	1:1	...000000
410525017-30	30	Sauter	A	DIN 5482	WT-25	6	55	120	85	21	32	1:1	...000000
410532004-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	143	100	26	63	1:1	...000001
410532005-40	40	Diplomatic	A	DIN 1809	WT-32	9	66	143	100	26	63	1:1	...000001
410532095-40	40	Emag	B	DIN 1809	WT-32	9	66	133	90	26	63	1:1	...000001
410532006-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	143	100	26	63	1:1	...000001
410532007-40	40	Okuma LB 400-M	A	1-step	WT-32	9	66	143	100	26	63	1:1	...000001
410532124-40	40	Okuma LT 300-M	B	1-step	WT-32	9	66	133	90	26	63	1:1	...000001
410532084-40	40	Sauter	A	DIN 5480	WT-32	9	66	143	100	26	63	1:1	...000001
410525051-40	40	Sauter (L2=100) ¹⁾²⁾	B	DIN 5480	WT-25	6	55	139	100	29	63	1:1	...000000
410532115-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	26	63	1:1	...000001
410532008-40	40	Sauter	A	DIN 5482	WT-32	9	66	143	100	26	63	1:1	...000001

1) 180° reversible head
 2) direction of rotation: n1 ≠ n2

Right angle back set drill/milling unit with WT System - HIGH PRESSURE -

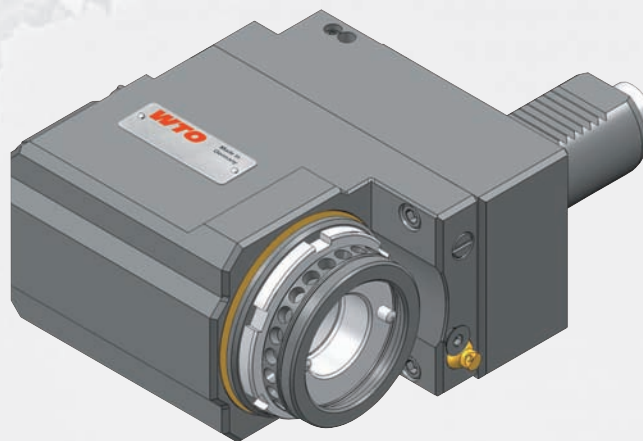
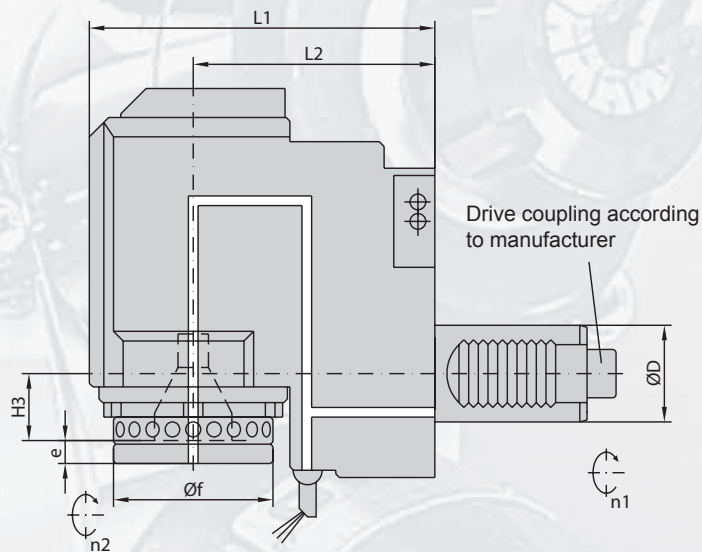
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1

Max. coolant pressure = 1160 PSI (80 bar)



4105... (IC - HP) with internal + external coolant supply

Order wrenches separately!

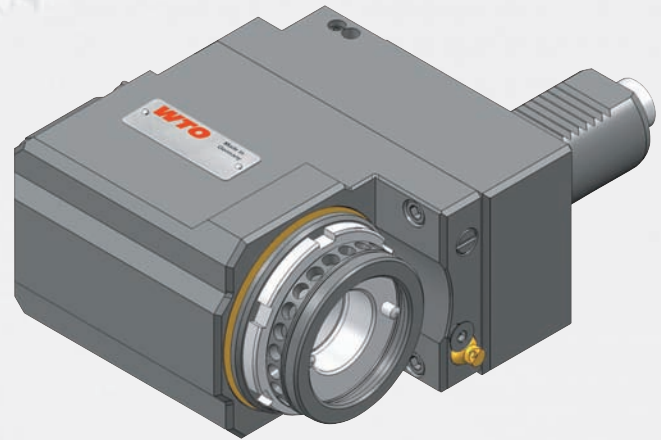
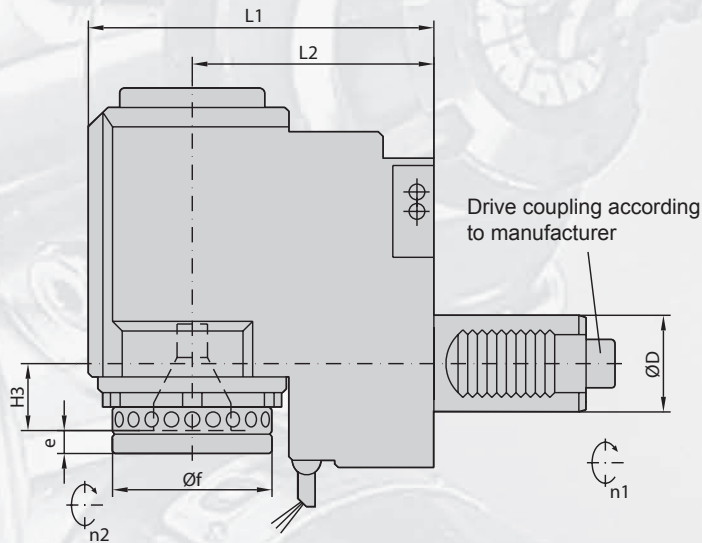
Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	Wrench 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2		
410525003-25	25	Emco 332	B	DIN 5480	WT-25	6	55	104	75	26	20	1:1	D01013	...000007
410525013-25	25	Sauter	B	DIN 5480	WT-25	6	55	104	75	26	20	1:1	D01013	...000007
410525019-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	120	85	21	32	1:1	D01013	...000000
410525020-30	30	Duplomatic	A	DIN 1809	WT-25	6	55	120	85	21	32	1:1	D01013	...000000
410525109-30	30	Index G300 ¹⁾	B	1-step	WT-25	6	55	125	90	21	32	1:1	D01013	...000000
410525021-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	120	85	21	32	1:1	D01013	...000000
410525078-30	30	Sauter	A	DIN 5480	WT-25	6	55	120	85	21	32	1:1	D01013	...000000
410525120-30	30	Sauter (L2=100) ¹⁾	B	DIN 5480	WT-25	6	55	135	100	21	32	1:1	D01013	...000000
410525022-30	30	Sauter	A	DIN 5482	WT-25	6	55	120	85	21	32	1:1	D01013	...000000
410532009-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	143	100	26	63	1:1	D01013	...000001
410532010-40	40	Duplomatic	A	DIN 1809	WT-32	9	66	143	100	26	63	1:1	D01013	...000001
410532096-40	40	Emag	B	DIN 1809	WT-32	9	66	133	90	26	63	1:1	D01013	...000001
410532013-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	143	100	26	63	1:1	D01013	...000001
410532011-40	40	Okuma LB 400-M	A	1-step	WT-32	9	66	143	100	26	63	1:1	D01013	...000001
410532111-40	40	Okuma LT 300-M	B	1-step	WT-32	9	66	133	90	26	63	1:1	D01013	...000001
410532085-40	40	Sauter	A	DIN 5480	WT-32	9	66	143	100	26	63	1:1	D01013	...000001
410525052-40	40	Sauter (L2=100) ^{1) 2)}	B	DIN 5480	WT-25	6	55	139	100	29	63	1:1	D01013	...000000
410532116-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	26	63	1:1	D01013	...000001
410532012-40	40	Sauter	A	DIN 5482	WT-32	9	66	143	100	26	63	1:1	D01013	...000001

1) 180° reversible head

2) direction of rotation: n1 ≠ n2

Right angle back set drill/milling unit with WT System - Torque increaser -

Please select suitable turret specification from the Machine Type listing!
 Typ A: Face mounted
 Typ B: O. D. mounted
Ratio = 2:1 (speed reduction)



4105... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2	
410525056-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	120	85	21	50	2:1	...000000
410525057-30	30	Duplomatic	A	DIN 1809	WT-25	6	55	120	85	21	50	2:1	...000000
410525058-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	120	85	21	50	2:1	...000000
410525079-30	30	Sauter	A	DIN 5480	WT-25	6	55	120	85	21	50	2:1	...000000
410525121-30	30	Sauter (L2=100) ¹⁾	B	DIN 5480	WT-25	6	55	135	100	21	50	2:1	...000000
410525059-30	30	Sauter	A	DIN 5482	WT-25	6	55	120	85	21	50	2:1	...000000
410532054-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	143	100	26	80	2:1	...000001
410532055-40	40	Duplomatic	A	DIN 1809	WT-32	9	66	143	100	26	80	2:1	...000001
410532056-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	143	100	26	80	2:1	...000001
410532038-40	40	Okuma LT 300-M	B	1-step	WT-32	9	66	133	90	26	80	2:1	...000001
410532086-40	40	Sauter	A	DIN 5480	WT-32	9	66	143	100	26	80	2:1	...000001
410532113-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	26	80	2:1	...000001
410532058-40	40	Sauter	A	DIN 5482	WT-32	9	66	143	100	26	80	2:1	...000001

1) 180° reversible head

Right angle back set drill/milling unit with WT System - Torque increaser - HIGH PRESSURE

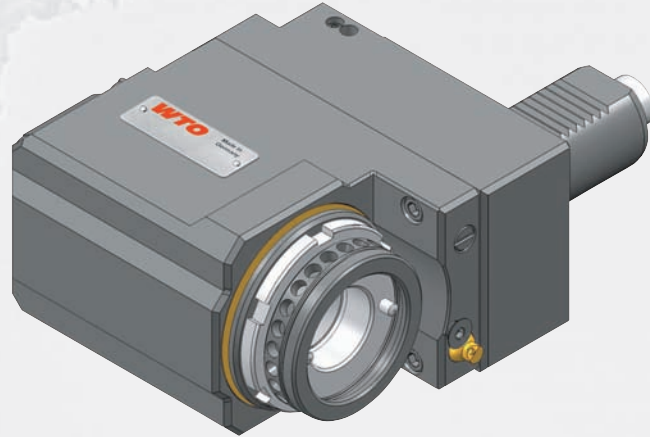
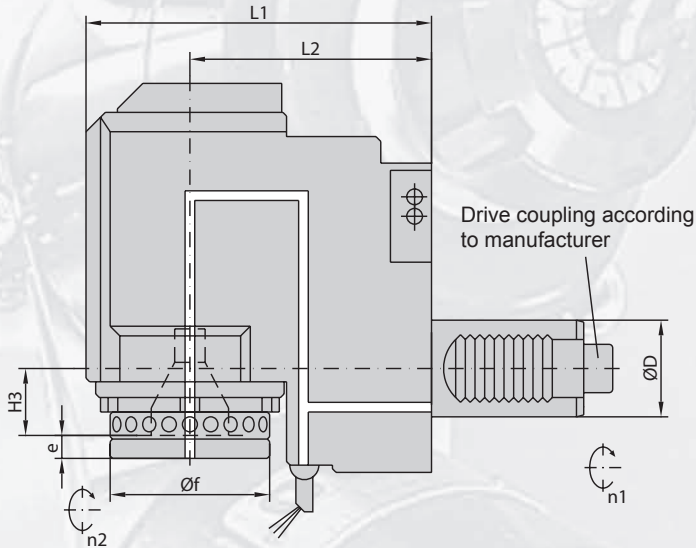
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted


Ratio = 2:1 (speed reduction)

Max. coolant pressure = 1160 PSI (80 bar)



4105... (IC - HP) with internal + external coolant supply

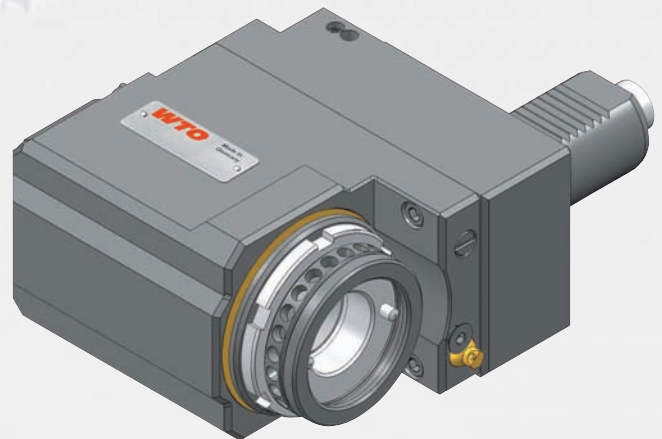
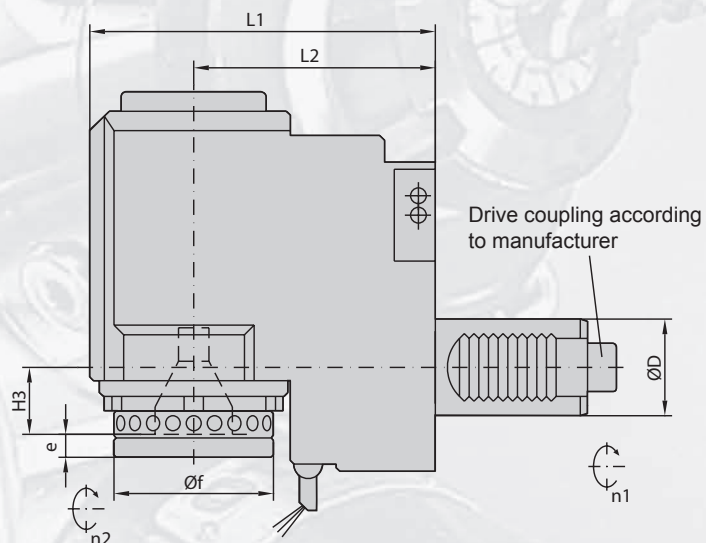
Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2		
410525061-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	120	85	21	50	2:1	D01013	...000000
410525062-30	30	Diplomatic	A	DIN 1809	WT-25	6	55	120	85	21	50	2:1	D01013	...000000
410525063-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	120	85	21	50	2:1	D01013	...000000
410525080-30	30	Sauter	A	DIN 5480	WT-25	6	55	120	85	21	50	2:1	D01013	...000000
410525122-30	30	Sauter (L2=100) ¹⁾	B	DIN 5480	WT-25	6	55	135	100	21	50	2:1	D01013	...000000
410525064-30	30	Sauter	A	DIN 5482	WT-25	6	55	120	85	21	50	2:1	D01013	...000000
410532059-40	40	Baruffaldi	A	TOEM 200	WT-32	9	66	143	100	26	80	2:1	D01013	...000001
410532060-40	40	Diplomatic	A	DIN 1809	WT-32	9	66	143	100	26	80	2:1	D01013	...000001
410532061-40	40	Okuma LB 300-M	A	1-step	WT-32	9	66	143	100	26	80	2:1	D01013	...000001
410532048-40	40	Okuma LT 300-M	B	1-step	WT-32	9	66	133	90	26	80	2:1	D01013	...000001
410532087-40	40	Sauter	A	DIN 5480	WT-32	9	66	143	100	26	80	2:1	D01013	...000001
410532114-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	26	80	2:1	D01013	...000001
410532063-40	40	Sauter	A	DIN 5482	WT-32	9	66	143	100	26	80	2:1	D01013	...000001

1) 180° reversible head

Right angle back set drill/milling unit with WT System - Speed increaser -

Please select suitable turret specification from the Machine Type listing!
 Typ A: Face mounted
 Typ B: O. D. mounted
Ratio = 1:2 (speed increase)



4105... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data						 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2		
410525086-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	120	85	21	20	1:2	...000000	
410525087-30	30	Diplomatic	A	DIN 1809	WT-25	6	55	120	85	21	20	1:2	...000000	
410525091-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	120	85	21	20	1:2	...000000	
410525093-30	30	Sauter	A	DIN 5480	WT-25	6	55	120	85	21	20	1:2	...000000	
410525123-30	30	Sauter (L2=100) ¹⁾	B	DIN 5480	WT-25	6	55	135	100	21	20	1:2	...000000	
410525096-30	30	Sauter	A	DIN 5482	WT-25	6	55	120	85	21	20	1:2	...000000	

1) 180° reversible head

Right angle back set drill/milling unit with WT System - Speed increaser - HIGH PRESSURE

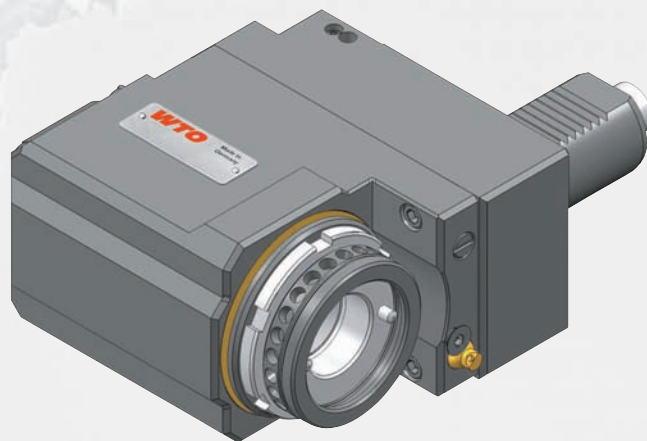
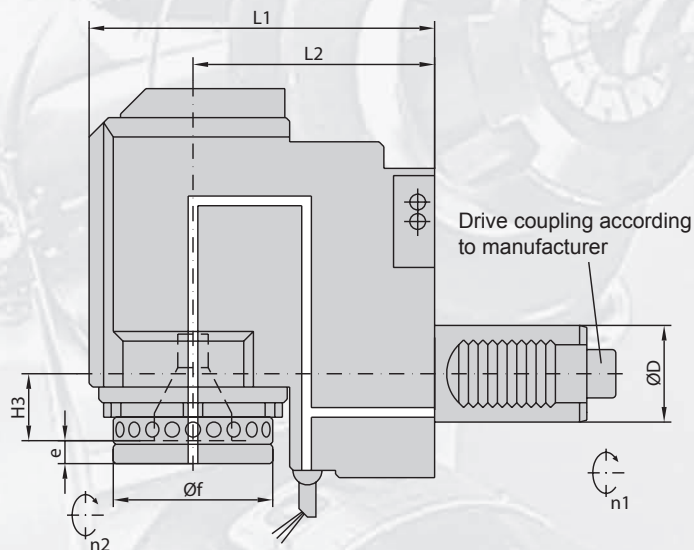
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:2 (speed increase)

Max. coolant pressure = 1160 PSI (80 bar)



4105... (IC - HP) with internal + external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Coolant Pressure diagram	00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	E	M Nm	Ratio n1:n2		
410525092-30	30	Baruffaldi	A	TOEM 160	WT-25	6	55	120	85	21	20	1:2	D01013	...000000
410525097-30	30	Diplomatic	A	DIN 1809	WT-25	6	55	120	85	21	20	1:2	D01013	...000000
410525100-30	30	Okuma LB 200-M	A	1-step	WT-25	6	55	120	85	21	20	1:2	D01013	...000000
410525101-30	30	Sauter	A	DIN 5480	WT-25	6	55	120	85	21	20	1:2	D01013	...000000
410525124-30	30	Sauter (L2=100) ¹⁾	B	DIN 5480	WT-25	6	55	135	100	21	20	1:2	D01013	...000000
410525104-30	30	Sauter	A	DIN 5482	WT-25	6	55	120	85	21	20	1:2	D01013	...000000

1) 180° reversible head

Right angle double spindle drill/milling unit with WT System

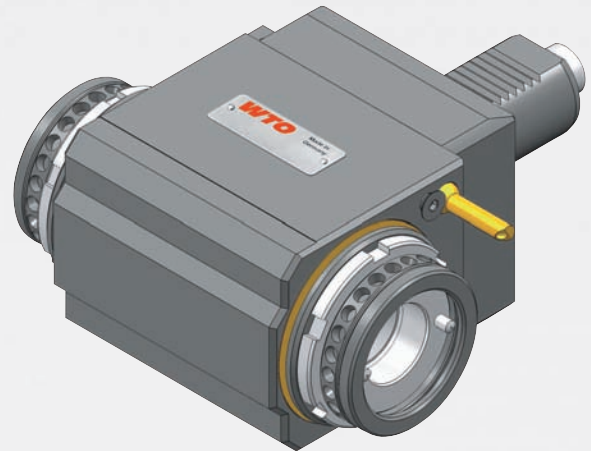
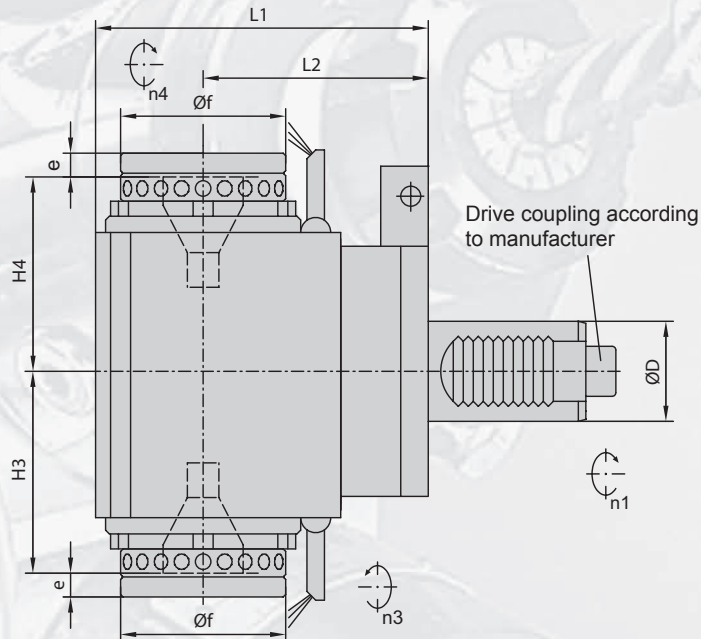
Please select suitable turret specification from the Machine Type listing!

Typ A: Face mounted

Typ B: O. D. mounted

Ratio = 1:1

180° reversible head



4105... (EC) with external coolant supply

Order wrenches separately !

Item No.	Turret specification				Clamping System			Dimensions / Data					Wrench 00676...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2	
410525027-25	25	Sauter	B	DIN 5480	WT-25	6	55	105	75	55 59	20	1:1	...000000
410525028-25	25	Traub TNC 42	B	bevel gear	WT-25	6	55	95	65	55 59	20	1:1	...000000
410525069-30	30	Emco HT-665	B	DIN 5480	WT-25	6	55	130	100	55 59	32	1:1	...000000
410525076-30	30	Mori Seiki ZT1000Y	B	DIN 1809	WT-25	6	55	95	65	55 59	32	1:1	...000006
410525070-30	30	Okuma LT 200-M ¹⁾	B	1-step	WT-25	6	55	120	90	59 55	32	1:1	...000000
410525007-30	30	Sauter (L2=85)	B	DIN 5480	WT-25	6	55	115	85	55 59	32	1:1	...000000
410525006-30	30	Sauter (L2=100)	B	DIN 5480	WT-25	6	55	130	100	55 59	32	1:1	...000000
410525105-30	30	Traub TNC 65	B	bevel gear	WT-25	6	55	105	75	55 59	32	1:1	...000000
410532108-40	40	Emco HT-690	B	DIN 5480	WT-32	9	66	143	100	76 79	63	1:1	...000001
410532094-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-32	9	66	153	110	76 79	63	1:1	...000001
410532109-40	40	Okuma LT 300-M ¹⁾	B	1-step	WT-32	9	66	133	90	79 76	63	1:1	...000001
410532110-40	40	Okuma LT 400-M ¹⁾	B	1-step	WT-32	9	66	143	100	79 76	63	1:1	...000001
410532097-40	40	Sauter (L2=100)	B	DIN 5480	WT-32	9	66	143	100	76 79	63	1:1	...000001

1) direction of rotation: n1 = n3, n1 ≠ n4

Adjustable angle drill/milling unit with WT System

Please select suitable turret specification from the Machine Type listing!

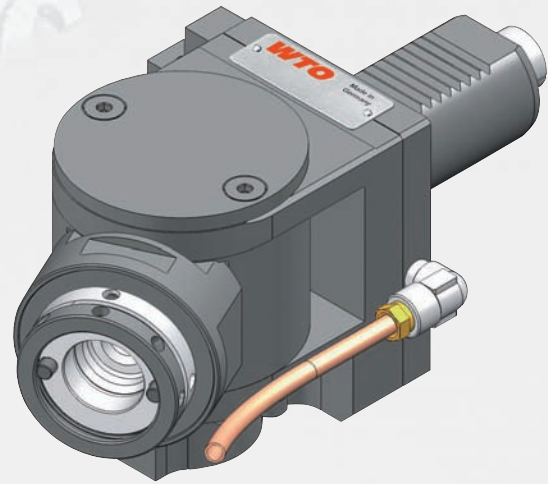
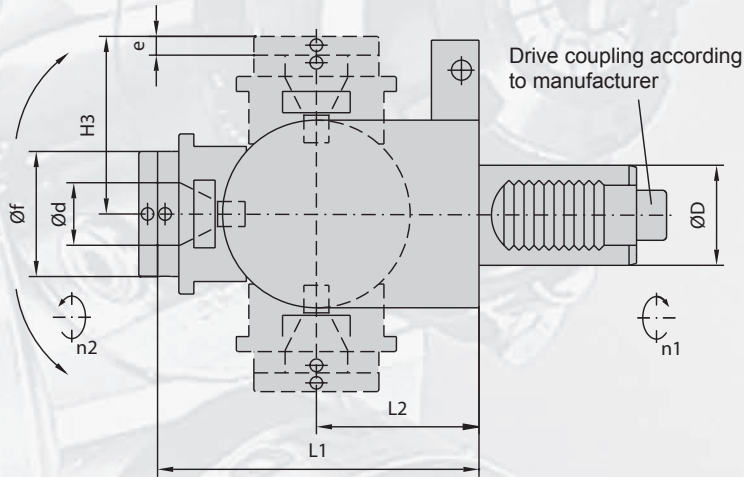
Typ A: Face mounted

Typ B: O. D. mounted

Check available tool length!

Adjustment: -105° to +105°

with vernier scale (0.1°)



4110... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification				Clamping System			Dimensions / Data					Wrench 00675...
	ØD	Turret manufacturer	Type	Drive coupling	Size	e	Øf	L1	L2	H3	M Nm	Ratio n1:n2	
411025000-40	40	Baruffaldi	A	TOEM 200	WT-25	6	50	150	85	65	20	1:1	...000689
411025001-40	40	Duplomatic	A	DIN 1809	WT-25	6	50	150	85	65	20	1:1	...000689
411025019-40	40	Emag	B	DIN 1809	WT-25	6	50	140	75	65	20	1:1	...000689
411025013-40	40	Emco HT-690	B	DIN 5480	WT-25	6	50	150	85	65	20	1:1	...000689
411025015-40	40	Index G400	B	1-step	WT-25	6	50	130	65	65	20	1:1	...000689
411025002-40	40	Index V300	B	1-step	WT-25	6	50	130	65	65	20	1:1	...000689
411025003-40	40*	Mazak MP-6100	B	DIN 1809	WT-25	6	50	130	65	65	20	1:1	...000689
411025004-40	40*	Mazak MP-6200	B	DIN 1809	WT-25	6	50	150	85	65	20	1:1	...000689
411025005-40	40*	Mazak SQT-200M Mazak SQT-200MS	B	DIN 1809	WT-25	6	50	150	85	65	20	1:1	...000689
411025014-40	40	Mori Seiki ZT2500Y	B	DIN 1809	WT-25	6	50	165	100	65	20	1:1	...000689
411025006-40	40	Okuma LB 300-M	A	1-step	WT-25	6	50	150	85	65	20	1:1	...000689
411025008-40	40	Okuma LB 400-M	A	1-step	WT-25	6	50	150	85	65	20	1:1	...000689
411025007-40	40	Okuma LT 400-M	B	1-step	WT-25	6	50	150	85	65	20	1:1	...000689
411025016-40	40	Okuma LVT 300-M	A	1-step	WT-25	6	50	150	85	65	20	1:1	...000689
411025017-40	40	Okuma LVT 400-M	A	1-step	WT-25	6	50	150	85	65	20	1:1	...000689
411025009-40	40	Sauter (L2=100)	A,B	1-step	WT-25	6	50	130	65	65	20	1:1	...000689
411025018-40	40	Sauter (L2=120)	B	DIN 5480	WT-25	6	50	150	85	65	20	1:1	...000689
411025010-40	40	Sauter	A	DIN 5482	WT-25	6	50	150	85	65	20	1:1	...000689

*no VDI standard

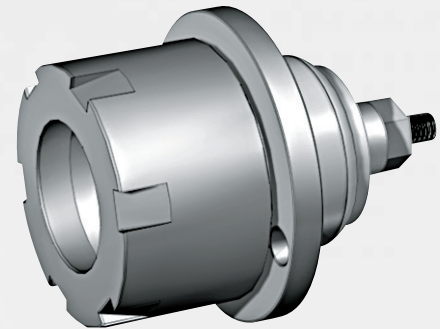
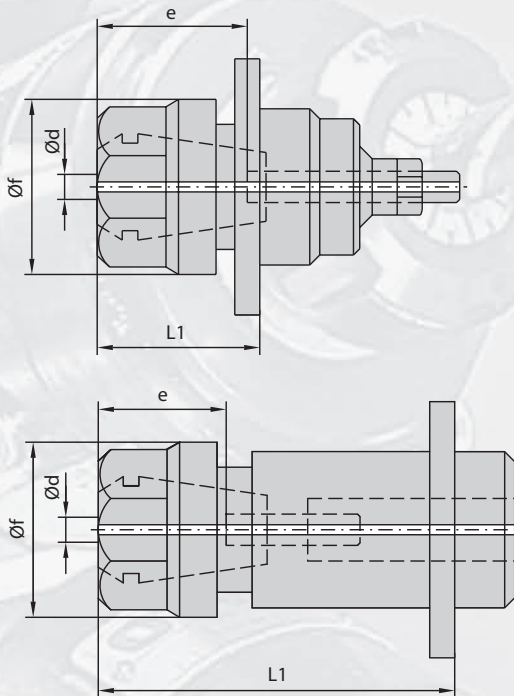
SPINDLES

ISO 9001

WTO




ER collet chuck for WT System

For ER collets according DIN 6499B
Special lengths available on request!



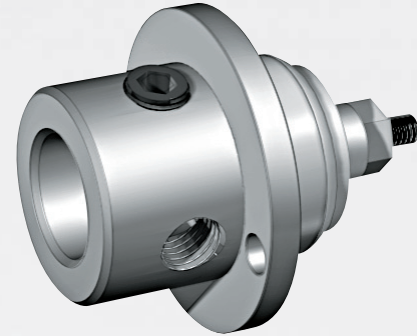
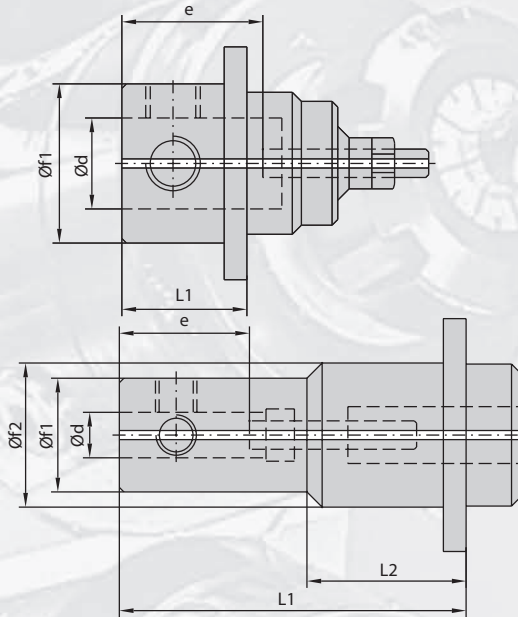
2200...

Order wrenches separately!



Item No.	WT System	Clamping system				Dimensions		Remarks	Spare parts		
		Size	Size	$\varnothing d$	e	$\varnothing f$	L1				
220016007	WT-16	ER-11	.5-7	24	16	17		64868	40588	00675...	
220016010	WT-16	ER-16	.5-10	35	22	29		64868	40441	...000670	
220020013	WT-20	ER-20	1-13	39	28	28		64869	45524	...000671	
220025007	WT-25	ER-11	.5-7	28	19	30		64869	21702	...000673	
220025010	WT-25	ER-16	.5-10	40	28	26		64869	21707	...000674	
220025013	WT-25	ER-20	1-13	40	34	28		64869	21712	...000675	
220025016	WT-25	ER-25	1-16	43	35	29		64869	42479	...000672	
220032016	WT-32	ER-25	1-16	42	42	32		64871	21722	...000680	
220032020	WT-32	ER-32	2-20	48	50	35		64871	21727	...000681	
220016007-32	WT-16	ER-11	.5-7	39	16	32		64877	40588	...000669	
220016010-65	WT-16	ER-16	.5-10	35	22	65		64868	40441	...000670	
220020013-50	WT-20	ER-20	1-13	61	28	50		64870	45524	...000671	
220025007-25	WT-25	ER-11	.5-7	36	19	25		64869	21702	...000673	
220025010-43	WT-25	ER-16	.5-10	41	22	43		64869	40441	...000670	
220025010-65	WT-25	ER-16	.5-10	40	28	65		44237	21707	...000674	
220025010-75	WT-25	ER-16	.5-10	40	28	75		44237	21707	...000674	
220025013-50	WT-25	ER-20	1-13	40	34	50		64869	21712	...000675	
220025016-65	WT-25	ER-25	1-16	42	35	65		44237	42479	...000672	
220025016-75	WT-25	ER-25	1-16	42	35	75		44237	42479	...000672	
220032016-75	WT-32	ER-25	1-16	60	42	75		32626	21722	...000680	
220032020-75	WT-32	ER-32	2-20	70	50	75		64871	21727	...000681	

Weldon / Whistle-Notch for WT System

For end mills with shank according DIN 1835B or DIN 1835E
 Set screw at 0° and 2° angle
 Other special lengths available on request!

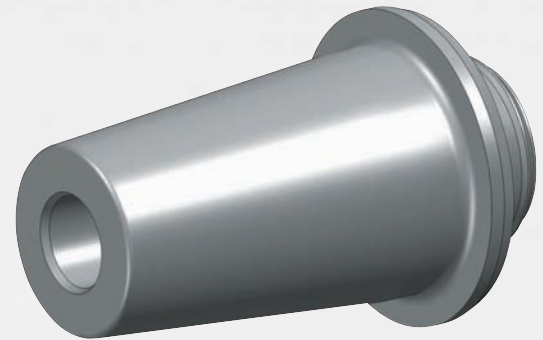
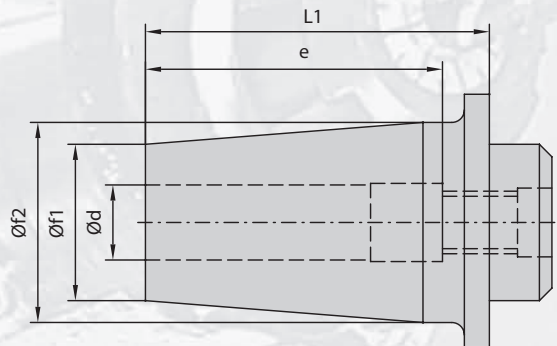


2201...

Item No.	WT System	Clamping system				Dimensions		Remarks	Spare parts		
		Size	$\varnothing d$	e	$\varnothing f_1$	$\varnothing f_2$	L1		L2		
220116006	WT-16		6	30	20		24			64868	12877
220116008	WT-16		8	30	20		24			64868	12877
220116010	WT-16		10	35	20		29			64868	12877
220125006	WT-25		6	31	20		18			64869	12882
220125008	WT-25		8	32	22		18			64869	12927
220125010	WT-25		10	35	28		22			64869	12992
220125012	WT-25		12	35	28		22			64869	12992
220125014	WT-25		14	35	28		22			64869	12992
220125016	WT-25		16	35	28		22			64869	12992
220132006	WT-32		6	40	25		32			64872	12887
220132008	WT-32		8	40	28		32			64872	12932
220132010	WT-32		10	44	35		35			64871	12997
220132012	WT-32		12	49	42		40			64871	33247
220132014	WT-32		14	49	44		40			64871	33247
220132016	WT-32		16	52	48		40			64871	33247
220132018	WT-32		18	52	48		42			64871	32841
220132020	WT-32		20	54	48		42			64871	32841
220132025	WT-32		25	60	48		68			64873	30944
220125006-31	WT-25		6	32	20		31		extended length	44237	12882
220125006-65	WT-25		6	40	20	25	65	30	extended length	44237	12882
220125006-75	WT-25		6	40	20	25	75	40	extended length	44237	12882
220125008-65	WT-25		8	40	22	25	65	30	extended length	44237	12927
220125008-75	WT-25		8	40	22	25	75	40	extended length	44237	12927
220125010-65	WT-25		10	44	28		65		extended length	44237	12992
220125010-75	WT-25		10	44	28		75		extended length	44237	12992
220125012-45	WT-25		12	46	28		45		extended length	44237	12992
220125012-65	WT-25		12	45	28		65		extended length	44237	12992
220125014-65	WT-25		14	50	28		65		extended length	44237	12992
220125014-75	WT-25		14	50	28		75		extended length	44237	12992
220125016-65	WT-25		16	50	28		65		extended length	44237	12992
220132006-65	WT-32		6	40	20	25	65	30	extended length	44237	12882
220132008-65	WT-32		8	40	20	25	65	30	extended length	33604	12927
220132010-65	WT-32		10	44	35		65		extended length	32626	12997
220132012-65	WT-32		12	49	42		65		extended length	32626	33247
220132014-65	WT-32		14	49	44		65		extended length	32626	33247
220132016-65	WT-32		16	52	48		65		extended length	28861	33247
220132018-65	WT-32		18	52	48		65		extended length	28861	32841
220132020-65	WT-32		20	54	48		65		extended length	28861	32841

Shrink adapter for WT System

For full carbide cutting tools with cylindrical shank

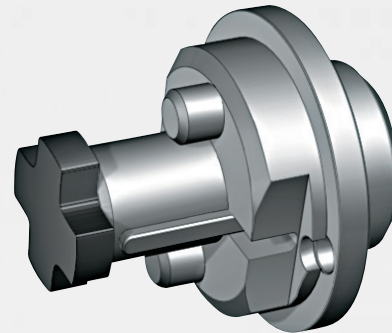
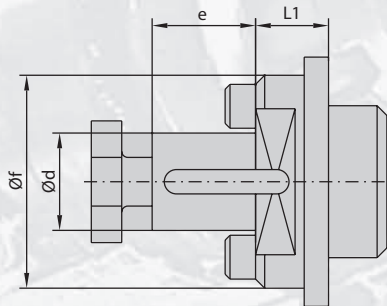


2203...

Item No.	WT System Size	Clamping system				Dimensions		
		Ød	e	Øf1	Øf2	L1		
220325006	WT-25	6	36	20	27	55		
220325008	WT-25	8	36	20	27	55		
220325010	WT-25	10	42	25	32	55		
220325012	WT-25	12	47	25	32	55		
220325014	WT-25	14	47	27	34	55		
220325016	WT-25	16	49	27	34	55		
220332006	WT-32	6	36	20	27	57		
220332008	WT-32	8	36	20	27	57		
220332010	WT-32	10	42	25	32	57		
220332012	WT-32	12	47	25	32	57		
220332014	WT-32	14	47	27	34	57		
220332016	WT-32	16	49	27	34	57		
220332020	WT-32	20	51	33	40	57		

Combination arbor for WT System

Usable:
 with removable drive key for shell mills
 with removable square key for saw cutters
 without keys for saw cutters without slot

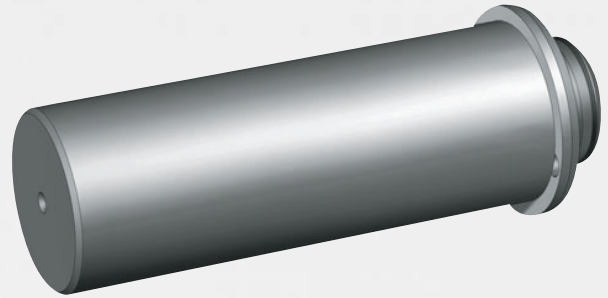
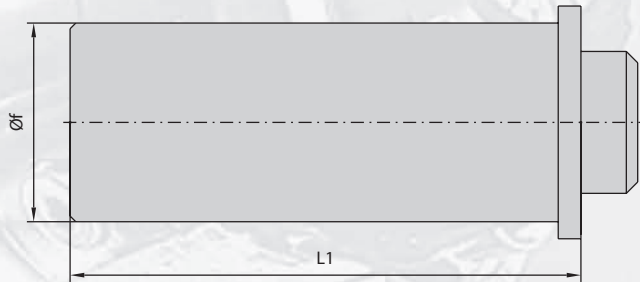


2202...

Order wrenches separately!

Item No.	WT System Size	Clamping system			Dimensions		Remarks	Spare parts		00675...
		Ød	e	Øf	L1					
220220016	WT-20	16	27	32	12		drive dog ring DIN 6366	26217		...000676
220225010	WT-25	10	16	20	10		without drive dogs	26222		...000822
220225013	WT-25	13	17	35	12			26221	73080	...000778
220225016	WT-25	16	17	35	12			26217	64876	...000676
220225022	WT-25	22	19	35	13			26218	73081	...000677
220232016	WT-32	16	17	35	15			26217	64876	...000676
220232022	WT-32	22	19	42	16			26218	64875	...000677
220232027	WT-32	27	21	48	17			26219	64874	...000678

Blank for WT System



2290...

Item No.	WT System Size	Dimensions	
		L1	$\varnothing f$
229016000	WT-16	65	20
229020000	WT-20	65	28
229025000	WT-25	80	35
229032000	WT-32	100	48

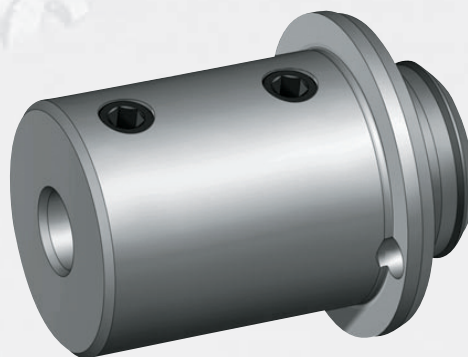
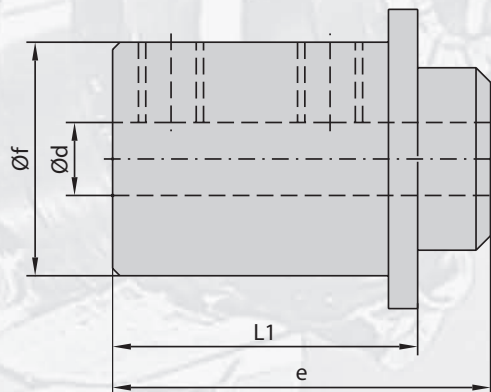
BORING BAR HOLDER

ISO 9001


WTO

Boring bar holder for WT System

Usable with WT System for boring bar holder (2300...)



2310...

Item No.	WT System Size	Clamping system				Dimensions		Spare parts	
		$\varnothing d$	e	$\varnothing f$		L1			
231020006	WT-20	6	47	27		37		12932	
231020008	WT-20	8	47	27		37		12932	
231020010	WT-20	10	47	27		37		12932	
231020012	WT-20	12	47	27		37		12927	
231025006	WT-25	6	52	32		42		12937	
231025008	WT-25	8	52	32		42		64885	
231025010	WT-25	10	52	32		42		12992	
231025012	WT-25	12	52	32		42		12992	
231025016	WT-25	16	52	32		42		64884	
231032006	WT-32	6	55	38		44		12937	
231032008	WT-32	8	55	38		44		64885	
231032010	WT-32	10	55	38		44		13061	
231032012	WT-32	12	55	38		44		13061	
231032016	WT-32	16	55	38		44		13061	
231032020	WT-32	20	55	38		44		23395	

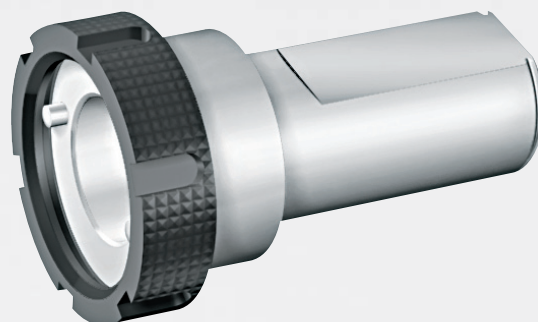
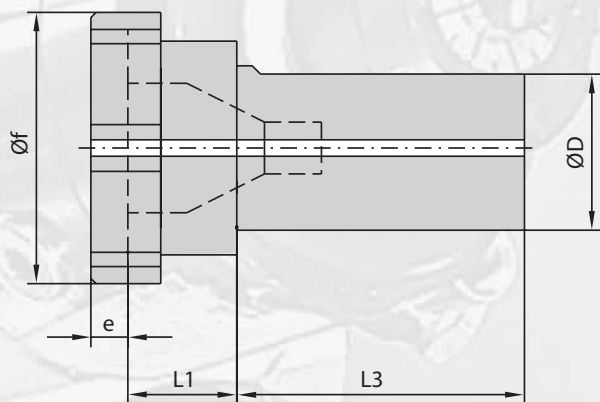
BORING BAR HOLDER

ISO 9001

WTO




WT System for boring bar holders

With cylindrical shank and flat
For flexible use of WT spindles in boring bar holders

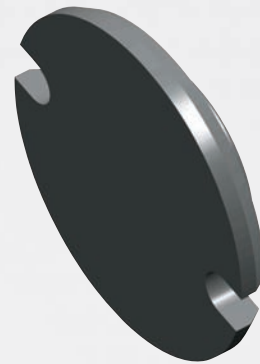


2300...

Order wrenches separately!

Item No.	Shank ØD	Clamping system			Dimensions		Spare parts		
		Size	e	Øf	L1	L3			
230016016	16	WT-16	5	32	12	40	42564	45300	00675... ...000895
230020025	25	WT-20	6.5	42	12	50	48395	48457	...000680
230025025	25	WT-25	7	50	20	50	44236	42406	...000681
230025032	32	WT-25	7	50	8	60	44236	42406	...000681
230032032	32	WT-32	10	66	20	60	52512	50108	...000682
230032040	40	WT-32	10	66	12	70	52512	50108	...000682

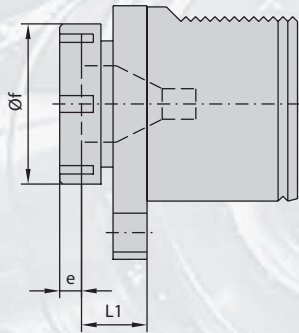
Protection cover for WT System



2370...

Item No.	WT System Size
237016000	WT-16
237020000	WT-20
237025000	WT-25
237032000	WT-32

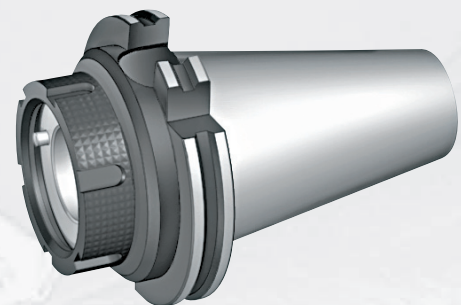
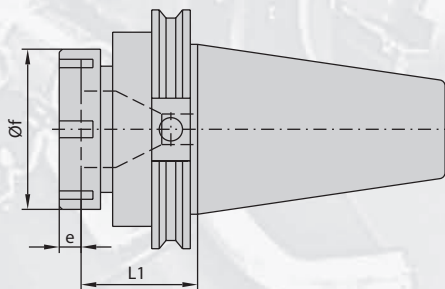
Presetting adapter for WT System



2380...

Order wrenches separately!

Item No.	VDI Size	Clamping system				Dimensions		Spare parts		
		Size		e	Øf	L1				
238016080	80	WT-16		5	32	22				00675...
238020080	80	WT-20		6.5	42	25				...000414
238025080	80	WT-25		7	50	25				...000667
238032080	80	WT-32		10	66	25				...000415
										...000668



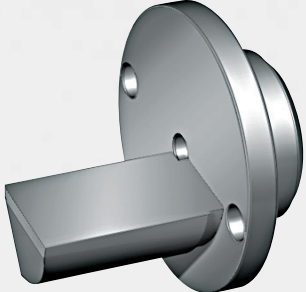
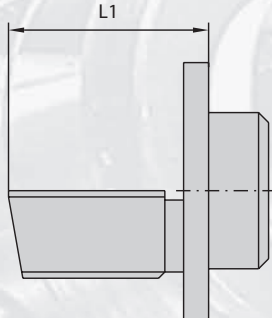
2381...

Order wrenches separately!

Item No.	V-flange Size	Clamping system				Dimensions		Spare parts		
		Size		e	Øf	L1				
238116050	50	WT-16		5	32	43				00675...
238120050	50	WT-20		6.5	42	46				...000564
238125050	50	WT-25		7	50	46				...000665
238132050	50	WT-32		10	66	46				...000547
										...000666

Preset master for WT System

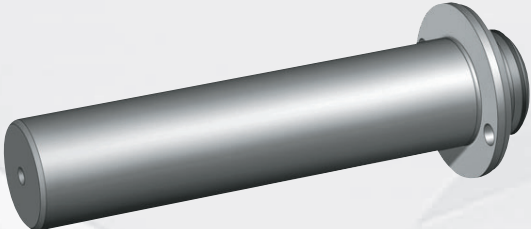
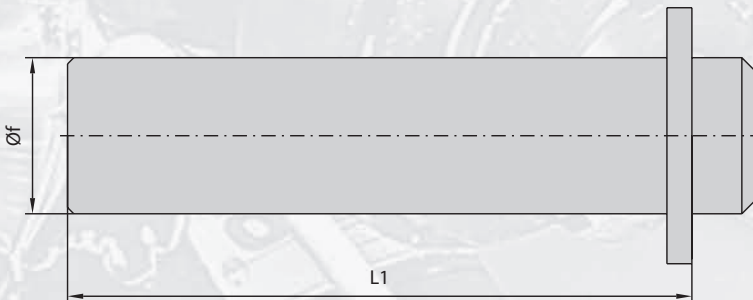
For calibration of tool presetter
Etched with actual gauge length measurement
Suitable adapter available with VDI or V-flange (2380..., 2381...)



2390...

Item No.	WT System	Dimensions		
	Size	L1		
239016000	WT-16	22		
239020000	WT-20	22		
239025000	WT-25	32		
239032000	WT-32	36		

Master gauge for WT System



2391...

Item No.	WT System	Dimensions		
	Size	L1	Øf	
239116000	WT-16	60	16	
239116001	WT-16	110	16	
239120000	WT-20	60	20	
239120001	WT-20	110	20	
239125000	WT-25	60	25	
239125001	WT-25	110	25	
239132000	WT-32	60	32	
239132001	WT-32	110	32	

PRESSURE DIAGRAM

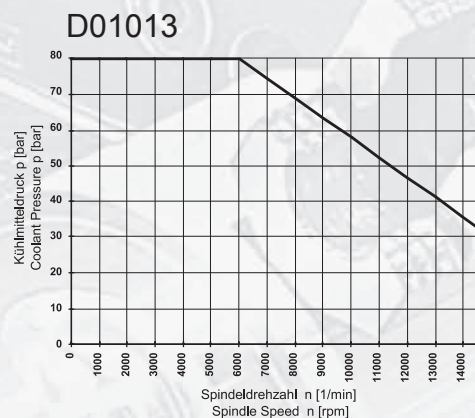
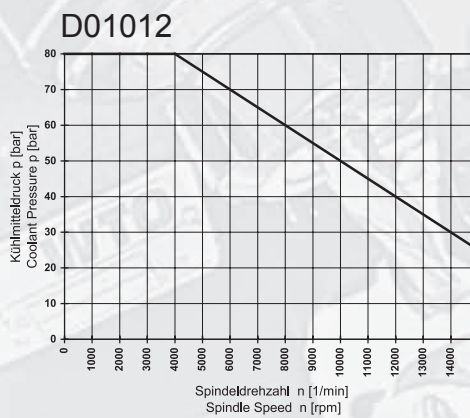
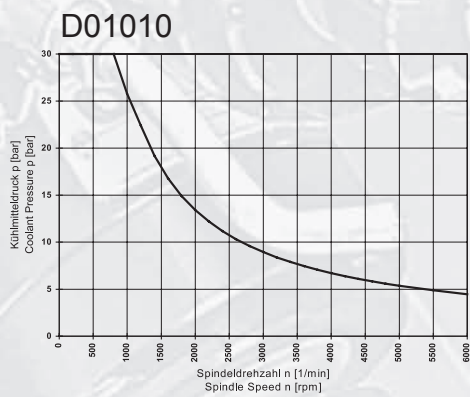
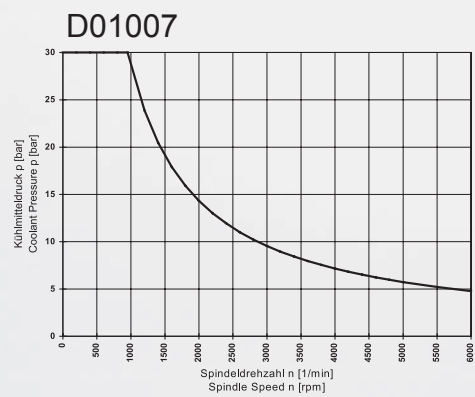
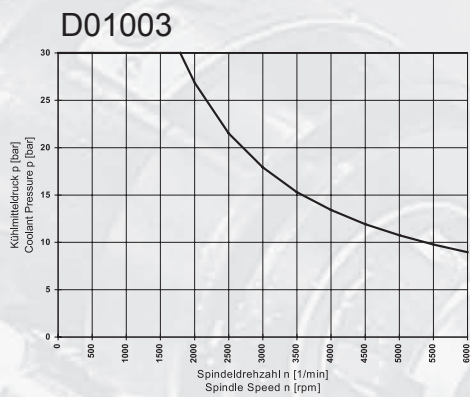
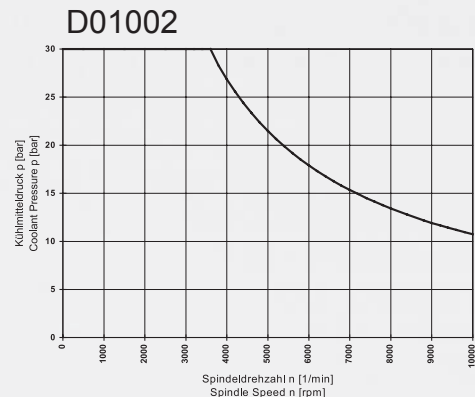
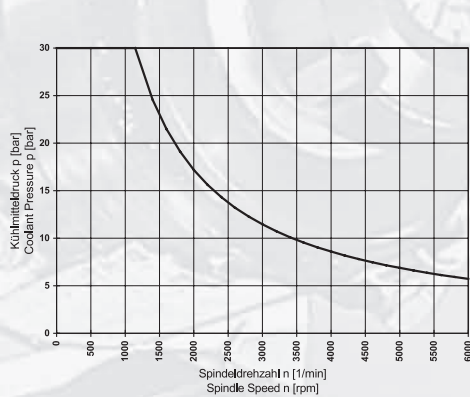
ISO 9001

WTO

Maximum possible coolant pressure depends on RPM.
Every sealing system has an individual diagram.
Select the suitable diagram by the number stated in the data sheet of the driven precision tool.

ATTENTION:

Do not run dry! Coolant must be switched on before rotating.
For machining cast iron, only use driven tools with diagram D01012 or D01013.
1 bar = 14.5 PSI Filtration of minimum 100 µm recommended



WTO

Driven
Precision
Tools

Higher Productivity

CHRONOLOGY OF THE DRIVEN TOOL PIONIER

1977

Development of the industry's first right angle and multiple spindle heads for machining centers with automatic tool changer by Werner Tschiggfrei

1987

Presentation of the industry's first modular driven tool system for mill/turning centers

1989

Driven tools with through the spindle internal coolant offered for the first time as a standard program

1990

Development of the first driven tools with Coromant Capto™ quick change system for Sandvik Coromant

1995

Founded USA division of WTO with sales and service capabilities

1996

Development of a quick change driven tool system for cycle controlled lathes
Development of turret integrated driven tools with quick change system

1997

Development of the "WT System" (compact driven tools with modular interchangeable spindles)
Development of a modular tooling and drive system for multi spindle turning centers

1998

Development of driven tools with HSK using an excentric clamping system

2000

Development of driven tools for thread wirling operations on swiss type turning centers

2001

Driven precision tools with minimum quantity supply through the spindle

2002

Development of the "Performance Series" designed for highest performance

2003

Development of "Capto-Solid" (new compact quick change clamping system for Coromant Capto™)

2004

Compact 3 station driven tool turret for multiple spindle turning centers

2005

Development of new adjustable angle driven tools with internal coolant supply and 12000 RPM



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