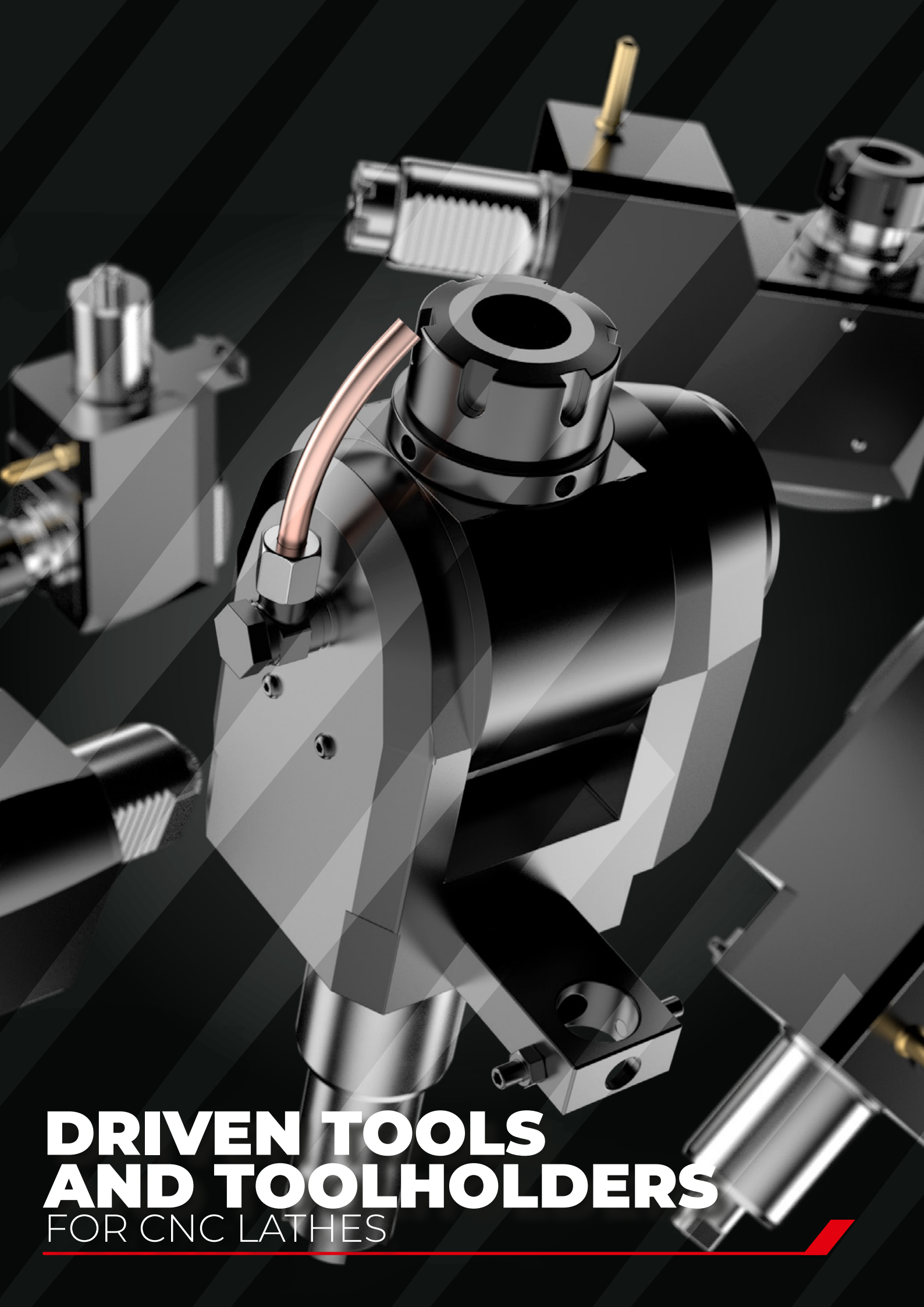




DRIVEN TOOLS AND TOOLHOLDERS

FOR CNC LATHES

Driven tools for CNC lathes

ACCUWAY

Model: • UT-100 M (DISC)	p.320
• UT-100 Y (BMT)	p.358
• UT-200 Y/SY (BMT)	p.346
• UT-200 Y/SY (BMT)	p.348
• UT-2000 T2M (BMT)	p.346
• UT-2000 T2M (BMT)	p.348
• UT-300 M/SM (BMT) • UT-300 Y (BMT)	p.358
• UT-300/300L (DISC)	p.329
• UT-360/380 M (BMT)	p.358
• UZ-2000 (BMT)	p.346
• UZ-2000 (BMT)	p.348
• UZ-2000 T2Y (BMT)	p.358

AEGIS

Model: • FTC-23 BM/LM/LMY • FTC-30 BM/BMY/LM/LMY	p.358
• FTC-26 BM/BMY/LM/LMY	

AKIRA SEIKI

Model: • SL 25-MC (DISC)	p.320
---------------------------------	-------

ALEX-TECH

Model: • VT 21/23MS (STAR)	p.320
• VT-27C, 30-33BLMC (BMT55)	p.358
• VT28-28BL (DISC)	p.326

ANGELINI

Model: • BRAVO (DISC) • DG13 CNC (DISC)	p.323
• EXCELL SLT630 (DISC)	p.329
• SNUPY SAUTERREVOLER (DISC)	p.323
• ZENIT (STAR)	p.320

AVEREX

Model: • MTX1-76 SY1, MTX2-76 SY2	p.356
--	-------

AVIA

Model: • 30 M (STAR) • 50 M/MS (STAR)	p.326
• 35 M/MS (STAR)	
• AVIATURN 63M (DISC)	p.323

BARUFFALDI

Model: • VDI30 TOEM (DISC) • VDI40 TOEM (DISC)	p.326
• VDI30 TOEM (STAR) • VDI50 TOEM (DISC)	

BATLIBOI

Model: • SPRINT 25TC (DISC)	p.326
------------------------------------	-------

BIGLIA

Model: • B111 VDI40 (DISC)	p.326
• B1200 • B1250 16ST	p.319
• B1200Y	
• B200 VDI40 (DISC)	p.326

• B301 • B445 • B446 • B465	• B470 • B501 • B545	p.319
• B56 VDI40 (DISC)		
• B565 • B620 • B650 • B658 • B745 • B750 16ST	• B765 • BV210 • BV315 • QUATTRO B445 • QUATTRO B470	p.319

BOEHRINGER

Model: • DUS 560 (DISC)	p.323
• NG180 (STAR) • NG200 (STAR) • NV250 LEFT (STAR, VERTICAL)	p.320
• NV250 RIGHT (STAR, VERTICAL) • VDF 300T (STAR)	

CACTA

Model: • CAT500 (DISC)	p.326
-------------------------------	-------

CAMPRO

Model: • CPL20MC (DISC)	p.323
--------------------------------	-------

CHEVALIER

Model: • FBL-300	p.358
• FCL-1028MC (DISC)	p.326

CHIAH CHYUN

Model: • CT1/2/3-52/65 YM/Y2M(S)	p.356
• ML-250 • WTS-52/65 Y2M	p.358

CHING HUNG

Model: • CL260 (DISC) • CL38 (DISC)	p.326
--	-------

CINCINNATI

Model: • HTC200 (DISC) • HTC250 (DISC)	p.326
---	-------

CMZ

Model: • TA 15-30, TD 15-55 M/MS/Y/YS (15 ST)	• TA Z400, 640, 1100 (15 ST)	p.354
• TBI 520 (DISC)	• TL 20M (VDI40) (DISC)	
• TTL 52/66	• TX 52/66	p.354

CNC TAKANG

Model: • TNC-2000DST (DISC) • TNC-30N (DISC)	p.326
---	-------

COLCHESTER

Model: • T10M (DISC)	p.320
• T6M (DISC)	p.323
• T6MS (STAR)	p.320
• T8M (DISC)	p.323
• T8M SAUTER (DISC) • T8MSY VDI30 (STAR)	p.320
• T8MS (STAR)	
• TORNADO 120M (DISC) • TSL500 (DISC)	p.323
• TORNADO 220M (DISC)	

Driven tools for CNC lathes

CONTUR

Model: • HSL700 (DISC) • TSL500 (DISC) p.323

DAEWOO

Model: • PUMA 200 MS (DISC) • PUMA 350 M (DISC)
• PUMA 250 MS (DISC) • PUMA 400 M (DISC) p.326

DMC

Model: • DL 21-22 M/LMS • DL 45-55 M
• DL 25 MS/Y/SY/LSY • DL 6TM p.358
• I160TM (DISC) p.326

DMG MORI / GILDEMEISTER

Model: • CLX 350 V1/V3/V4 (STAR) • CLX 350 V6 (STAR) p.320
• CLX 450 BMT p.346
• CLX 450 BMT p.348
• CLX 450 V1/V3/V4 (STAR) • CLX 550 V1/V3/V4 (STAR)
• CLX 450 V6 (STAR) • CLX 550 V6 (STAR) p.320
• CLX 750 V1/V3/V4 (DISC) p.323
• CLX 750 V6 (STAR) • CTV 250 RIGHT
• CTV 160 RIGHT (STAR) (STAR, VERTICAL)
• CTV 160 RIGHT (STAR, VERTICAL) • CTV 315 RIGHT VDI40 (STAR)
• CTV 160 RIGHT VDI40 (STAR) • CTV 400 LINEAR (STAR)
• CTV 200 LEFT (STAR, VERTICAL) • CTV 210 (DISC)
• CTV 200 RIGHT (STAR, VERTICAL) • CTV 210 (STAR)
• CTV 250 LEFT (STAR, VERTICAL) • CTV 2500 VDI40 (DISC)
• CTV 300 (STAR) • CTV 2500/700 (STAR)
• CTV 310 (DISC) • CTV 310 (STAR) p.320
• CTX 310 5482 OLD (DISC) p.323
• CTX 310 BMT p.346
• CTX 310 BMT p.348
• CTX 310 ECO 5482 (DISC) p.323
• CTX 310 ECO DIN5480 • CTX 320 SCHAFT 40 (DISC)
• CTX 320 SCHAFT 30 (DISC) • CTX 320 SCHAFT 40 (STAR)
• CTX 320 SCHAFT 30 (STAR) • CTX 320 V1-V3 (DISC)
• CTX 320 SCHAFT 30 (STAR) • CTX 320 V4-V6 (DISC) p.320
• CTX 400 SCHAFT 40 (DISC) • CTX 400 SERIE 2 (DISC) p.323
• CTX 400E SCHAFT 30 • CTX 400E SCHAFT 40
V5 (STAR) V5 (STAR) p.320
• CTX 400E V1-V3 (DISC) p.323
• CTX 410 SCHAFT 30 (DISC) • CTX 420 LINEAR (STAR)
• CTX 410 SCHAFT 30 (STAR) • CTX 420 SCHAFT 30 (STAR)
• CTX 410 SCHAFT 40 (DISC) • CTX 450 ECO (DISC)
• CTX 420 LINEAR (DISC) p.320
• CTX 500 (DISC) p.323
• CTX 500 TWIN (STAR) • CTX 510 ECO 5480
• CTX 510 (DISC) (DISC) p.320
• CTX 510 ECO 5482 (DISC) p.323
• CTX 520 LINEAR (DISC) p.320
• CTX 600 (DISC) p.323

• CTX 600 LINEAR (DISC) p.320

• CTX 600 SCHAFT 40 (DISC) p.323

• CTX 620 LINEAR (DISC) • CTX BETA 800 VDI30 (STAR)
• CTX ALPHA 300 (DISC) • CTX BETA 800 VDI40 (DISC)
• CTX ALPHA 500 (DISC) • CTX BETA 800 VDI40 (STAR)
• CTX ALPHA 500 (STAR) • CTX GAMMA 1250 VDI40 (STAR)
• CTX ALPHA 500 V6 VDI30 (STAR) • CTX GAMMA 1250 VDI50 (DISC)
• CTX BETA 1250 4A (STAR) • CTX GAMMA 1250 VDI50 (STAR)
• CTX BETA 1250 TC 4A (STAR) • CTX GAMMA 2000 VDI40 (STAR)
• CTX BETA 1250 VDI30 (DISC) • CTX GAMMA 2000 VDI50 (DISC)
• CTX BETA 1250 VDI30 (STAR) • CTX TWIN (STAR)
• CTX BETA 1250 VDI40 (DISC) • ECOTURN 310 (DISC)
• CTX BETA 1250 VDI40 (STAR) • ECOTURN 450 (DISC)
• CTX BETA 2000 VDI50 (DISC) • ECOTURN 510 (DISC)
• CTX BETA 500 VDI30 (DISC) • ECOTURN 650 (DISC)
• CTX BETA 500 VDI30 (STAR) • GM 70 5480 (STAR)
• CTX BETA 500 VDI40 (DISC) • GMX 200 (STAR)
• CTX BETA 500 VDI40 (STAR) • GMX 250 (STAR)
• CTX BETA 800 4A (STAR) • GMX 300 (STAR)
• CTX BETA 800 VDI30 (DISC) • GMX 400 (STAR)
• CTX BETA 800 VDI30 (STAR) • GMX 500 (STAR) p.320

• GT 700 (DISC) • MD5IT (DISC) p.323

• NEF 400 (DISC) • TWIN 102 SCHAFT 40 (STAR)
• NEF 600 (DISC) • TWIN 42 (STAR)
• NLX 2500 SY VDI40 (STAR) • TWIN 500 (STAR)
• NLX 2500/700 VDI40 (STAR) • TWIN 65 SCHAFT 30 (STAR)
• SPRINT 65 (STAR) • TWIN 65 SCHAFT 40 (STAR) p.320
• TWIN 102 SCHAFT 30 (STAR)

DMTC INGERSOLL

Model: • I40 (DISC) p.323

DOOSAN

Model: • INVERTURN 3000 M • PUMA 4100 M/LM
• LYNX 2100 MA • PUMA 480 M/LM/XLM
• LYNX 220 LMSA/LMSC • PUMA 500 M
• LYNX 220 LSYA/LSYC • PUMA 5100 M/LM
• LYNX 220 M / LM • PUMA GT 2100/2600 M/MB
• LYNX 220 MA/LMA/MC/LMC • PUMA GT 3100 M /LM
• LYNX 220 YA/YC/LYA/LYC • PUMA H250 T M
• LYNX 2600 Y/SY • PUMA MX 1600 T/ST
• LYNX 300 M • PUMA MX 1600 T/ST (BMT55)
• PUMA 1500 / 2000 / 2500 M / S / Y • PUMA MX 2000/2500
• PUMA 2100 Y/LY/SY/LSY • PUMA MX 2100 T/ST
• PUMA 2100/2600 M/ LM/MS/LMS • PUMA MX 2600 T/ST
• PUMA 2100/2600 Y/LY/ SY/LSY • PUMA QL 200 H M
• PUMA 2100/2600/3100 M/Y/MS/SY • PUMA TL 2000/2500 M/LM
• PUMA 2300/240/280 M/ LM/S • PUMA TT 1300 SY/SYY
• PUMA TT 1500/1800 MS/SY • PUMA TT 2000/2500 M/S/Y

Driven tools for CNC lathes

• PUMA 300 M/MS/MB/MC	• PUMA TT 2100 SY
• PUMA 3100 M/LM/LY/XLM/XLY/ULM/ULY	• PUMA V400 M
• PUMA 400 MA/LMA/MB/LMB/MC/LMC/XLMA/XLMB/XLMC	• PUMA V550 M
	• PUMA V8300 M
	• PUMA VT450 M / M-2SP
	• PUMA VT750 M / M-2SP
	p.358
• S240LM (STAR)	• S310M (STAR)
• S280M SCHAFT 30 (STAR)	• S310NM (STAR)
	p.320
• S390LM (DISC)	
	p.323
• S390LM (STAR)	• S550LM (STAR)
	p.320
• SMX 2660ST	• TW 2100 M
• SMX2100 ST	• TW 2600 M
	p.358
• Z290 (STAR)	
	p.320

DUGARD

• 52 TTSY	• 65 TTSY	p.358
-----------	-----------	-------

DUPLOMATIC

Model: • VDI30 5480 (DISC)	• VDI30 5480 (STAR)	p.320
• VDI40 1809 (DISC)		p.326
• VDI40 5480 (DISC)	• VDI40 5480 (STAR)	p.320
• VDI50 1809 (DISC)		p.326
• VDI50 5480 (DISC)		p.320

ECOCA

Model: • MT-3 MC/MCSY		p.358
• MT-308MC (DISC)	• MT-310MC (DISC)	
• MT-308MCS (DISC)	• MT-312MC (DISC)	p.329
• MT-4 MC/MCSY		p.358
• MT-415MC (DISC)		p.329

EDEL

Model: • SL35 (DISC)		p.329
----------------------	--	-------

EMCO

Model: • 345 NEW (DISC)	• E45 (DISC)	
• 365 NEW (STAR)	• E65 (DISC)	
• 365 OLD (STAR)	• EMCOTURN 345/II	
• 465 NEW (STAR)	DIN5480 (DISC)	
• 465 OLD (STAR)		
• CONCEPT TURN 450/460 (DISC)		p.320
• ET500 (DISC)		p.326
• ET500 (STAR)		p.320
• ET700 (DISC)	• ET800 (DISC)	p.326
• HYPERTURN 45		p.358
• HYPERTURN 645 (STAR)	• HYPERTURN 690 (STAR)	
• HYPERTURN 665 (STAR)	• MAXX TURN 110 (DISC)	p.320
• MAXX TURN 110 (DISC)		p.326
• MAXX TURN 65 (STAR)	• VT 250/260/400	
• MAXX TURN 95 (DISC)	(STAR, VERTICAL)	p.320

EUROTECH

Model: • 730SLY	• B465	
• 830SLY	• B620	
• B1250 16ST	• B750 16ST	
• B446	• E42SL	p.319

• TA 15-30, TD 15-55 M/MS/Y/Y (15 ST)	
• TTL 52/66	p.354

FAC

Model: • FCT700 (DISC)	p.320
------------------------	-------

FADAL

Model: • PTC250 (DISC)	p.326
------------------------	-------

FAIR FRIEND

Model: • FTC-20 (DISC)	• FTC-30 (DISC)	p.326
• FTC-35-2S (STAR)		p.320

FAMAR

Model: • PRONTO 6 (STAR)	p.320
--------------------------	-------

FAT

Model: • TUR 560/630/630 A MN (DISC)	p.323
--------------------------------------	-------

FMS

Model: • NDM 20 (STAR)	• NDM 40 (STAR)	p.320
------------------------	-----------------	-------

FOCUS CNC

Model: • FBL 230MC	• FBL-420Y	
• FBL 300MC	• FBL-460MC	p.358
• FCL 300MC (DISC)		p.326
• FNL 220 Y/LY/LSY 16ST		
• FNL/FBL-250SY (16ST, BMT55)		p.358
• FNL/FBL-250Y/SY (12ST, BMT60)		p.350
• FNL-160, 220LSY		p.358

FORCE ONE

Model: • FCL-450TM/S, 550TM/S, 580TM (STAR, VERTICAL)	
• FCL-580TMS (STAR)	p.320

FORTUNE

Model: • VTURN II 26 (DISC)	• VTURN II 26 (STAR)	p.320
-----------------------------	----------------------	-------

GANESH

Model: • ASL-100 M (VDI30) (STAR)		p.320
• ASL-100 MY (BMT55)	• ASL-78/105 TTMYY (BMT65)	p.358
• ASL-15 MY (BMT65)		
• ASL-8/10/78 M(S)Y, ASL-52 TTMYY (BMT40)		p.346
• ASL-8/10/78 M(S)Y, ASL-52 TTMYY (BMT40)		p.348
• GENTURN 52/65 MSY		p.358
• GENTURN 52/78 TTMYY, 78 MSY		p.356
• GENTURN WTS-Y2M		p.358

GEDEE WEILER

Model: • UNITURN 300, 400 (STAR)	p.320
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GITAL

Model: • GMC70 (STAR)	p.320
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GOODWAY

Model: • GLS-2800 M/MS/SY/Y	• GLS-3300 M/MS/SY/Y	
• GLS-3000 M/MS/SY/Y		p.358

Driven tools for CNC lathes

GRAZIANO

Model: • CTX 320 V4-V6 (STAR)	• CTX 620 (DISC)	p.320
• CTX 500 (STAR)		
• CTX 700 (DISC)	• GR350C (DISC)	p.323
• GT300 (STAR)		p.320
• GT400 (DISC)		p.323
• TWIN 50 (STAR)		p.320

HAAS

Model: • DF-20/30 Y HYBRID VB12 (DISC)		
• DS-20/30 SS/SSY-HYBRID VB24 (DISC)		
• DS-20/30 Y-HYBRID VB12 (DISC)		p.332
• DS-30Y BMT65		p.358
• SL-20 HYBRID VB12 (DISC)	• SL-40 (DISC)	
• SL-30 HYBRID VB12 (DISC)		p.332
• ST-10Y BMT45	• ST-20/25/30/35 Y BMT65	p.358
• ST-20/30 SS/SSY-HYBRID VB24 (DISC)		
• ST-20/30 Y HYBRID VB12 (DISC)		p.332
• ST-20Y BMT65	• ST-30Y BMT65	
• ST-25Y BMT65	• ST-35Y BMT65	p.358
• ST-40 (DISC)	• TL-25 (DISC)	
• TL-15 (DISC)		p.332

HACO

Model: • FCT700 (DISC)	p.358
-------------------------------	-------

HARDINGE

Model: • BMT45	• ELITE 65 M ULTRA	
• BMT55		p.358
• ELITE 8/51 (STAR)	• GS200M VDI30 (STAR)	
• ELITE 8/52 (STAR)	• GS200M VDI40 (DISC)	
• GS150M VDI30 (DISC)	• GS200MSY (STAR)	
• GS150M VDI30 (STAR)	• GS250M VDI40 (DISC)	
• GS200M VDI30 (DISC)		p.320
• H-51 (BMT55)	• T-42/51 (BMT45)	
• H-51, TT-42/51 (BMT45-16T)	• T-51, 65 (BMT55)	p.358
• TALENT 10/78 (DISC)		p.326
• TALENT 6/45 + 8/52 (DISC)		
• TALENT 8/66 + 10/78 (STAR)		
• TALENT VDI30 NEW (DISC)		p.320
• TALENT VDI30 OLD (DISC)		p.323

HASEGAWA

Model: • C25/42	p.352
------------------------	-------

HEADMAN

Model: • HI5000M	• T75 M	
• HI6000M	• VI7000M	
• T55 M/MS	(RIGHT TURRET)	
• T65 M/MS	• VZ7000M/AM	p.358

HESSAPP

Model: • BLUETURN250 LEFT (STAR, VERTICAL)		
• BLUETURN250 RIGHT (STAR, VERTICAL)		
• DVH450 LEFT (STAR, VERTICAL)		
• DVH450 RIGHT (STAR, VERTICAL)		
• DVT630 5482 (STAR)		p.320

HEYLIGENSTAEDT

Model: • HEYNUMAT 15 (DISC)	• HEYNUMAT 5 (DISC)	p.323
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HITACHI SEIKI

Model: • CS20/CS25 (DISC)	• HT 20S (DISC)	
• HICELL 23S (DISC)	• HT 23R (DISC)	
• HT 200/250 (DISC)	• HT 25G (DISC)	p.326

HURCO

Model: • TMM10 (STAR)	• TMM12I (STAR)	
• TMM10I (STAR)		p.326
• TMM8 (STAR)		p.320
• TMX10 MY/MYS 1809 (STAR)		p.326
• TMX10 MY/MYS 5480 (STAR)		p.320
• TMX8 / TMX10 MY/MYS (BMT65)		p.358
• TMX8 MY/MYS 1809 (STAR)		p.326
• TMX8 MY/MYS 5480 (STAR)		p.320

HWACHEON

Model: • CUTEX 160/180 (BMT55)	• HI-TECH 400 MC (BMT65)	
• CUTEX 180 (16 ST) (BMT45)	• HI-TECH 450 (BMT65)	
• CUTEX 240 (BMT65)	• HI-TECH 550/700/7026 (BMT75)	
• HI-TECH 200 MC (BMT65)	• T2 (BMT65)	
• HI-TECH 230 (20 ST) (BMT45)	• VT-450 (BMT55)	
• HI-TECH 230 (BMT65)	• VT-450 (BMT65)	
• HI-TECH 300 (BMT65)	• VT-550 (BMT75)	
• HI-TECH 350 (BMT65)	• VT-650 (BMT75)	p.358

HYUNDAI

Model: • 400 MC	p.358
• HIT 160M (DISC)	p.326
• SKT 200/250 TTSY	p.358

HYUNDAI WIA

Model: • E200 MA (DISC)		p.326
• FT 250-2SP	• HD 2600 M	
• HD 2200 M/MC	• HD 3100 M/LM	p.358
• HIT 20M/200M/250M (DISC)		p.326
• L 150, 210 LMA/LMSA (DISC)		p.323
• L 160/230 MA/MC/LMA/LMSA		p.358
• L 200, 250Y/SY (STAR)		p.320
• L 2000 Y/LY/SY/LSY	• LF 1600/2100/2600 M/2SP	
• L 2100 SY	• LM 1600/1800 TTMS/TTSY	
• L 2600 Y/LY/SY	• LM 2000/2500 TTM/TTMS/TTSY	
• L 300 MA/MC/LMA/LMC/MSA/LMSA/MSC	• LV 450 RM/LM	
• L 3000 Y/LY/SY	• LV 500/800/850 RM/LM	
• L 3000 Y/LY/SY/LSY	• SE 2200 MA	
• L 400/500 MA/MC/LMC	• SK- V80 M	p.358
• SKT 15, 21LM (DISC)		p.323
• SKT 160/180 TTSY		p.358
• SKT 200, 250Y/SY (STAR)		p.320
• SKT 200/250 TTSY	• SKT 400 LMC	
• SKT 250/300 MS/LMS		p.358

Driven tools for CNC lathes

INDEX

Model: • B400 VDI30 (STAR)	• G300 VDI30 (STAR)	p.362
• G220 VDI30 (STAR)	• V160 VDI30 (STAR)	
• G250 VDI30 (STAR)	• V250 VDI30 (STAR)	
• G250 VDI40 (STAR)	• V300 VDI30 (STAR)	

JOHNFORD

Model: • HT / ST SERIES		p.358
• HT 40, 60, 80 (DISC)	• SL 50, 60, 65 (DISC)	p.329
• SL 20, 30, 35, 40 (DISC)		
• SL 60, 65 (BMT65)		p.358
• SL 70, 80, 100, 120 (DISC)	• ST 40, 60, 70, 80 (DISC)	p.329
• ST 100, 130, 160, 200, 240 A/B (DISC)		

JYOTI

Model: • AX 200 (BMT45)	• TMC 250, 350 (BMT45)	p.358
• AX 300 (BMT55)		
• TMC 350 (VDI40) (STAR)	• TMX 200 (VDI40) (STAR)	p.320

KERN

Model: • CD402 VDI30 (DISC)	• DMT VDI30 (DISC)	p.323
• CD402 VDI40 (DISC)	• DMT VDI40 (DISC)	
• CD650 (DISC)	• KDS300 (DISC)	

KIA

Model: • SKT 15 LM/LMS (DISC)	• SKT 21 LM/LMS (DISC)	p.323
• SKT 210 (STAR)	• SKT 210 SY (DISC)	p.320

KOVOSVIT MAS

Model: • HI TURN 65-9X (STAR)	• KL 285 MC/Y (DISC)	p.320
• KL 435 (DISC)	• S50 VDI40 (DISC)	p.326
• SP 180 MC/Y (DISC)	• SP 280 SMC/SY (STAR)	p.320
• SP 280 MC/Y (DISC)		
• SP 430 (DISC)	• SP 630 (DISC)	p.326

KUEN JENG

Model: • KL-645 (DISC)	p.320
-------------------------------	-------

LEADWELL

Model: • LTC 25 BLM (DISC)	p.326
• LTC 25IMY (BMT65)	p.358
• LTC8T25MY VDI30 (STAR) • LTC8T25MY VDI40 (STAR)	p.320
• T7I M/SM (BMT55)	p.358
• T8 M (DISC)	p.326
• T85M (DISC) • T85M (STAR)	p.320

LMW

Model: • LL20MYL5 (BMT55)	p.358
• LL20TM/MYL5 (VDI30) (STAR)	p.320
• LR30TML7	p.358

MAG

Model: • VDF 300T (STAR)	p.320
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MAGDEBURGER

Model: • M120 (DISC)		p.326
• M300 (DISC)	• M500 (DISC)	p.323
• M400 SCHAFT50 (DISC)		
• MV100 (DISC)	• MV160 (DISC)	p.320

MAHO GRAZIANO

Model: • GR500 VDI50 (DISC)	• MT600 (DISC)	p.323
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MAXSIN

Model: • BMT65	p.358
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MAZAK

Model: • MZ68B/C	• QT 200 M/MS/MY/MSY	p.345
• QT 100 M/MS/MY/MSY	• QT 250 M/MS/MY/MSY	
• QT EZ 8/10/12 M/MSY/MY (BMT55)	p.358	
• QT EZ 8-12 M/MSY/MSY	• QTE 100 M/MS/MY/MSY	p.345
• QTC 100 M/MS/MY/MSY	• QTE 200 M/MS/MY/MSY	
• QTC 200 M/MS/MY/MSY	• QTE 300 M/MS/MY/MSY	
• QTC 300 M/MS/MY/MSY	• QTE 350 M/MS/MY/MSY	
• QTC 350 M/MS/MY/MSY		
• QTN 100 M/MS/MY/MSY (STAR)	p.342	
• QTS 100 M/MS/MY/MSY	• QTU 100 M/MS/MY/MSY	p.345
• QTS 150 M/MS/MY/MSY	• QTU 200 M/MS/MY/MSY	
• QTS 200 M/MS/MY/MSY	• QTU 300 M/MS/MY/MSY	
• QTS 250 M/MS/MY/MSY	• QTU 350 M/MS/MY/MSY	

MC MACHINERY

Model: • LT1/2/3-52/76 YM/Y2M	p.356
• LT-400/520M (DISC)	p.320

MONARCH

Model: • PREDATOR (DISC)	p.323
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MONFORTS

Model: • DNC3 (STAR)	• DUO TURN (STAR)	p.320
• DNC5 (STAR)	• MHC (STAR)	
• DNC500 (STAR)		
• RNC2 (DISC)	• RNC400 DUO TURN (STAR)	p.323
• RNC200 (DISC)		
• RNC3 (DISC)	• RNC5 (DISC)	
• RNC300 (DISC)	• RNC500 (DISC)	
• RNC4 (DISC)	• RNC600 (DISC)	
• RNC400 (DISC)	• RNC700 MNC 1000 (DISC)	

MORI SEIKI

Model: • ALX-1500	p.346
• ALX-1500	p.348
• ALX-2000	p.346
• ALX-2000	p.348
• ALX-2500	p.346
• ALX-2500	p.348
• DURA TURN 310ECO (DISC)	p.320
• DURATURN 2050 MC	p.346
• DURATURN 2050 MC	p.348

 Driven tools for CNC lathes

• DURATURN 2550 MC	p.346
• DURATURN 2550 MC	p.348
• DURATURN 510ECO (DISC)	p.320
• NL-1500	p.350
• NL-1500 20ST	p.346
• NL-1500 20ST	p.348
• NL-2000	p.350
• NL-2000 20ST	p.346
• NL-2000 20ST	p.348
• NL-2500	p.350
• NL-2500 20ST	p.346
• NL-2500 20ST	p.348
• NL-3000	• NLX-1500 p.350
• NLX-1500 20ST	p.346
• NLX-1500 20ST	p.348
• NLX-2000	p.350
• NLX-2000 20ST	p.346
• NLX-2000 20ST	p.348
• NLX-2500	p.350
• NLX-2500 20ST	p.346
• NLX-2500 20ST	p.348
• NLX-2500 SY VDI40 (STAR)	p.320
• NLX-3000	• NLX-4000 p.350
• NRX-2000 MC	p.346
• NRX-2000 MC	p.348
• NT-3100/3200	p.346
• NT-3100/3200	p.348
• NT-3250 DCG / HSC	• NT-4300
• NT-4200	• NT-5400
• NT-4250	p.350
• NTX-1000	p.346
• NTX-1000	p.348
• NTX-1500	p.346
• NTX-1500	p.348
• NTX-2000	p.346
• NTX-2000	p.348
• NTX-2500	p.346
• NTX-2500	p.348
• NZ-1500	p.346
• NZ-1500	p.348
• NZ-2000	p.346
• NZ-2000	p.348
• NZL-2500	p.350

• NZX-1500/800	p.346
• NZX-1500/800	p.348
• NZX-2000 20ST	p.346
• NZX-2000 20ST	p.348
• NZX-2500	p.350

MTRENT

Model: • MTCUT T25/32 Y/SY	p.350
• T36FMC	p.358

MÜGA

Model: • MÜGATURN T6 COMPACT (BMT55)	• MÜGATURN T8 COMPACT (BMT55)	
• MÜGATURN T6 COMPACT-Y (BMT55)	• MÜGATURN T8 COMPACT-Y (BMT55)	p.358

MURATEC

Model: • MT 100 15ST	p.352
• MT 100B	p.354

NAKAMURA-TOME

Model: • AS-200	• NTJ	p.354
• NTJ100		p.352
• NTM3		p.354
• NTY3	• SC-100	p.352
• SC-150 M	• SC-250 M	
• SC-200 M		p.354
• SC-300 M		p.356
• SUPER NTJ		p.354
• SUPER NTMX/NTMXL		p.352
• SUPER NTX		p.356
• SUPER NTY3		p.352
• TW-10		p.354
• TW-20 (12 ST)		p.356
• TW-20 (16 ST)		p.354
• TW-30 (16 ST)		p.356
• WT-100		p.352
• WT-150	• WT-250	
• WT-20-II M/MY		p.354
• WT-300		p.356
• WTS-150	• WTW-150	p.354
• WY-100		p.352
• WY-250		p.354

NCT

Model: • JCL 60 YTSM (STAR)	p.320
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NILES

Model: • N30 (STAR)	p.320
• N30 VDI50 (DISC)	p.323

Driven tools for CNC lathes

OKUMA

Model:	• CAPTAIN L370 M/MW (DISC) • ES L10 II M (DISC) • ES L6 II-M (DISC) • ES L8 II-M (DISC) • GENOS L300 MW • GENOS L3000 E-M (DISC) • LB 10-M (DISC) • LB 2000 EX M • LB 2000-M (DISC) • LB 200-M (DISC) • LB 2500 EX M • LB 300 MW (STAR) • LB 3000 EX M • LB 35 M (DISC) • LB 4000 EX M • LBR 370 (DISC) • LR 10 (DISC) • LT 10-M (STAR) • LT 15 (STAR) • LU 2000 EX M/MY • LU 2000-M (DISC) • LU 2500 EX M/MY • LU 35 II M (DISC) • LU 4000 EX M • LVT 300 M (DISC) • MACTURN 250 (STAR)	• GENOS L200 E-M/MY V12M (DISC) • GENOS L2000 E-M (DISC) • GENOS L300 E-M/MY V12M (DISC) • GENOS L3000 E-M • LB 10-MW (DISC) • LB 15 (DISC) • LB 200-MW (DISC) • LB 200-MY (DISC) • LT 200-M (STAR) • LT 300-M (STAR) • LU 15 (DISC) • LU 200-M (DISC) • LU 3000 EX M/MY • MACTURN 350 (STAR) • MACTURN 550 (STAR)	p.339 p.336 p.339 p.336 p.339 p.336 p.339 p.338 p.339 p.336 p.339 p.336 p.339 p.338 p.339 p.336 p.339 p.336 p.339 p.338 p.339
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PITTLER

Model:	• PV 630 (STAR)	p.320
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PROMAX

Model:	• E 450/450 L (DISC)	p.320
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ROMI

Model:	• G30M 1809 (DISC)	p.326
	• G30M 5480 (DISC) • G30M 5480 (STAR) • G30M VDI40 (DISC) • G30M VDI40 (STAR) • GL250 S/Y • GL250M (DISC) • GL300 S/Y • GL300M (DISC) • GL350 M/Y/S	• G30M VDI50 (DISC) • G50M (DISC) • GALAXY 30M (DISC) • GALAXY 50M (DISC) p.320 p.358 p.326 p.358 p.326 p.358

SAEILO

Model:	• CONTUR HSL-700 (DISC)	p.323
	• CONTUR LT-20 MC (DISC)	p.326
	• CONTUR LT-400 MCMCY (STAR)	
	• CONTUR TSL-300 (DISC)	p.320

• CONTUR TSL-500 (DISC)	p.323
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SAUTER

Model:	• VDI30 5480 (DISC) • VDI30 5482 (DISC) • VDI40 5480 (DISC) • VDI40 5482 (DISC) • VDI50 5480 (DISC) • VDI50 5482 (DISC)	• VDI30 5480 (STAR) p.320 p.323 p.320 p.323 p.320 p.323
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SCHERER FEINBAU

Model:	• VDZ120 L SCHAFT30 (STAR, VERTICAL) • VDZ120 L SCHAFT40 (STAR, VERTICAL) • VDZ120 R SCHAFT30 (STAR, VERTICAL)	• VDZ120 R SCHAFT40 (STAR, VERTICAL) • VDZ420 L (STAR, VERTICAL) • VDZ420 R (STAR, VERTICAL) p.320
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SCHUSTER

Model:	• VD20, P30 (DISC)	p.320
	• VTM350 (DISC)	p.323
	• VTM350 FUTURE LINE (STAR, VERTICAL)	p.320

SHANDONG PRECISION

Model:	• CH-6145-2T (STAR)	p.320
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SMART

Model:	• NL 2000 ASY/BSY/AY/BY • NL 2500 M/SY/Y • NL 3000 BM/BLM	• NL 4000 M/LM • NL 5000 M/LM p.358
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SMEC

Model:	• PL 1600 M/CM • PL 20/25/35 • PL 2000/2500 • PL 240 LM/LMB • PL 250 VM • PL 45 LM/XLM/LY • PL 45M/LY • PL 800 V/VM R/L • PL 800VM • SL 1500, 2000M/Y/SY • SL 20 MC	• SL 2000 / 2500 / 3000 / 3500 • SL 25/35 • SL 250 MC • SL 3500M/Y • SL 45 • SL 4500 • SL 5500M • SL 4500LY • SLV 500M • SLV 800M p.358
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SOMAB

Model:	• TRANSMAB 500 (DISC)	• TRANSMAB 850 (DISC)	p.326
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SPINNER

Model:	• TC 800 MC VDI50 (DISC) • TC108 MC (DISC) • TC110 MC (DISC) • TC400 (DISC) • TC46 (DISC) • TC52 (DISC) • TC600 MC VDI40 (DISC) • TC800 • TC800 MC VDI40 (DISC) • TC800 MCY	• TC600 MCY/SMCY VDI30 (STAR) • TC65 (DISC) • TC67 VDI30 (DISC) • TC67 VDI40 (DISC) • TC77 SMC (DISC) • TC80 VDI30 (DISC) • TC80 VDI40 (DISC) p.329 p.358 p.329 p.358
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Driven tools for CNC lathes

• TC82 VDI50 (DISC)	• TS66LMC (DISC)	p.329
• TS46 (DISC)		
• UP65-SMC (STAR)		p.320

STYLE

Model: • STYLE 750 (DISC)	p.329
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TAJMAC-ZPS

Model: • TCH 500 (DISC)	• TRANSMAB 600 (DISC)	p.326
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TAKAMAZ

Model: • XYT 51 (BMT45)	p.358
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TAKISAWA

Model: • TM-2000 Y2/T12	p.346
• TM-2000 Y2/T12	p.348
• TS-2000-5000 20ST	p.346
• TS-2000-5000 20ST	p.348
• TS3000 Y/YS 12ST	• TS5000 Y/YS 12ST p.350
• TS4000 Y/YS 12ST	

TAKSAN

Model: • TTC630 DUPLOMATIC (DISC)	p.326
• TTC630 BARUFFALDI (DISC)	p.329

TONGTAI

Model: • TCS-1500, 2000, 2500	• TMT 2000	
• TD-2000, 2500Y 12ST	• TNL-120T	
• TD-2000, 2500Y 16ST		p.358

TOPPER

Model: • TB 20Y (STAR)	• TB 25YMB (STAR)	p.329
• TB 25YMB DIN1809 (STAR)		p.326
• TBMR 200 (STAR)	• TNL 120 ALS (STAR)	p.329

TORNOS

Model: • SWISSDECO	p.358
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TRAUB

Model: • TNA 300 (DISC)	• TNA 400 (DISC)	p.323
• TNA 400.2 VDI30 (STAR)	• TNA 400.2 VDI40 (STAR)	p.362
• TND 200 (DISC)		p.329
• TNE 300 (DISC)	• TNE 400 (DISC)	p.323
• TNX 65 VDI30 (STAR)		p.362

TRENS

Model: • SBL300 (DISC)	p.323
• SBL300 (STAR)	• SBL500 DIN5480 (DISC) p.320
• SBL500 DIN5482 (DISC)	p.323
• SBL700 (DISC)	p.320

UVA

Model: • T44 (DISC)	• T51 (DISC)	p.320
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VICTOR

Model: • V36 (DISC)		
• VTURN 16CV (STAR)		p.320
• VTURN 20CV (DISC)		p.323
• VTURN 20CV (STAR)	• VTURN 26/60CV (STAR)	
• VTURN 23BCV (STAR)	• VTURN 36/40/45/46 CV (DIN5480) (STAR)	p.320
• VTURN 26/110CV (STAR)		
• VTURN 40/45 CM/YCM	• VTURN A26 YSCM	
• VTURN A16/A20 YSCM		
• VTURN A200 CM/SCM/YCM/YSCM		p.358
• VTURN II 20YCV (STAR)		p.320
• VTURN S26 CM	• VTURN S36 CM	p.358
• VTURN V760CV (STAR)		p.320
• VTURN-NP16CM	• VTURN-Q200	
• VTURN-NP20CM		p.358
• VTURN-V560CV (DISC)		p.323

VIPER

Model: • VT2300YMS (DISC)	• VT2300YMS (STAR)	p.320
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VOEST

Model: • WNC300 (DISC)	• WNC400 (DISC)	
• WNC300 VDI40 (DISC)	• WNC500 (DISC)	p.323

WEILER

Model: • DZ45 VDI30 (DISC)	p.323
• DZ67 (STAR)	p.320

WELE

Model: • HL-200YS	p.358
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WFL

Model: • M35/M35G (STAR)	p.320
• WNC300 (DISC)	• WNC400 (DISC)
• WNC300 VDI40 (DISC)	• WNC500 (DISC)
	p.323

WIA(KIA)

Model: • E160 LMA/LMC (DISC)	• E200 MA/MC (DISC)	p.326
• L150 LMA/LMAS (DISC)		p.323
• L150 SY (STAR)		p.320
• L160 MA/LMA/LMSA		p.358
• L200 SY (STAR)		p.320
• L210 LMA/LMAS (DISC)		p.323
• L2100 SY	• L230 MA/LMA/MC/LMSA	p.358
• L250 SY (STAR)		p.320
• L2600 SY	• LM1600 MS/SY	
• L300 MA/LMA/MC/LMC	• LM1800 MS/SY	
• L300 MSA/LMSA/MS	• LM2500	
• L500 LMA		p.358
• SKT 100 M (DISC)		p.326
• SKT 15 LMS (DISC)		p.323

Driven tools for CNC lathes

• SKT 160 M (DISC)	• SKT 200 M (DISC)	p.326
• SKT 21 LMS (DISC)		p.323
• SKT 210 (STAR)	• SKT 210 SY (STAR)	p.320
• SKT 210 SY (DISC)		
• SKT 250 M		p.358
• SKT 250 Y (STAR)	• SKT 300 (STAR)	p.320
• SKT 300 M	• SKT 400	p.358

YAMA SEIKI

Model: • GTZ-2600Y	p.358
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YCM

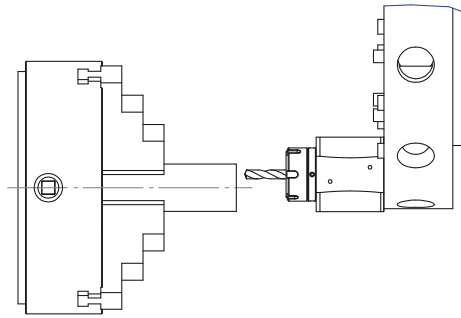
Model: • GT250 MA/LMA/MB/ LMB (DISC)	• GT300 MA/LMA/MB/ LMB (DISC)	p.326
• NTC 1600 LS/LSY/M/ LM/Y/LY	• NTC 2000 LS/LSY/M/ LM/Y/LY	p.358

YOU JI

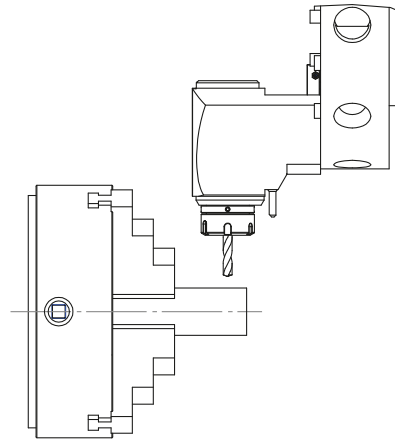
Model: • CY-550H	p.358
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OPERATIONS WITH VDI STAR - TYPE TURRET

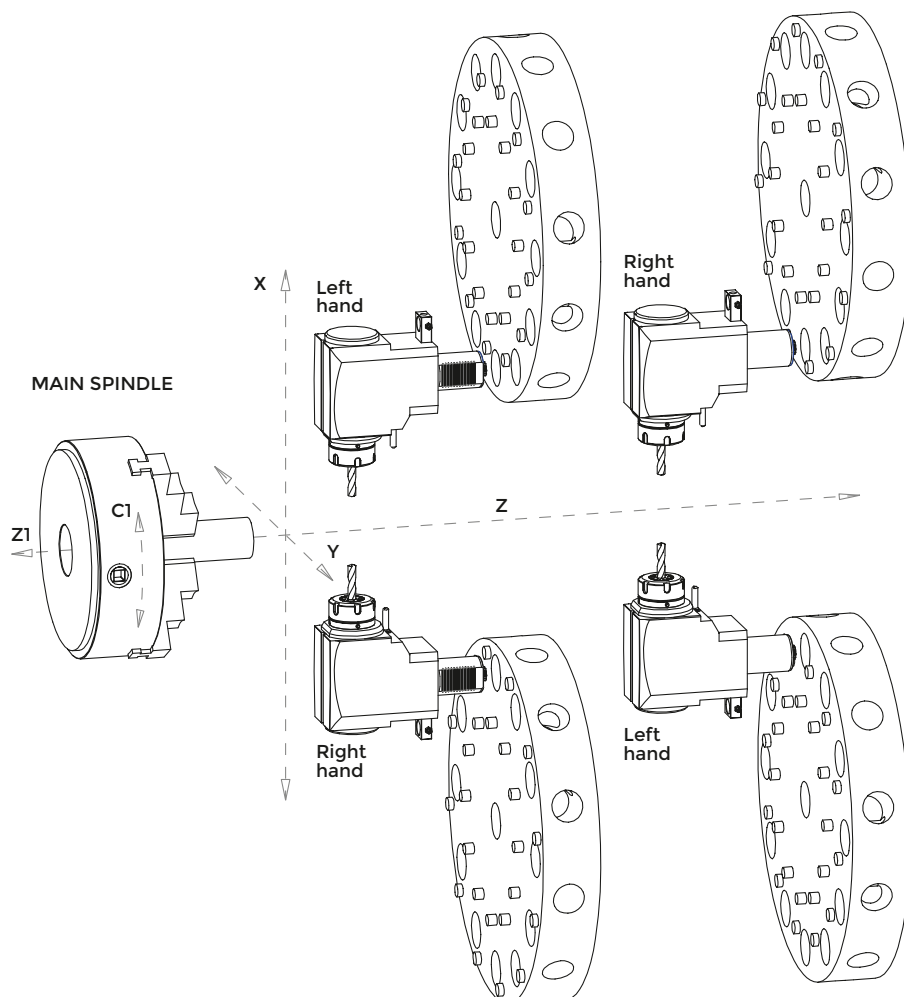
AXIAL OPERATION STRAIGHT TOOL HOLDER



RADIAL OPERATION ANGULAR TOOL HOLDER 90° ANGLE

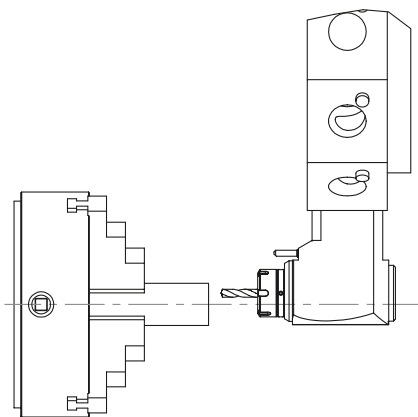


RIGHT AND LEFT HAND

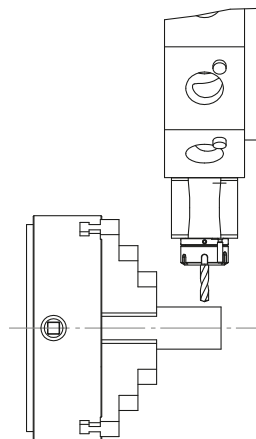


OPERATIONS WITH VDI STAR - TYPE TURRET

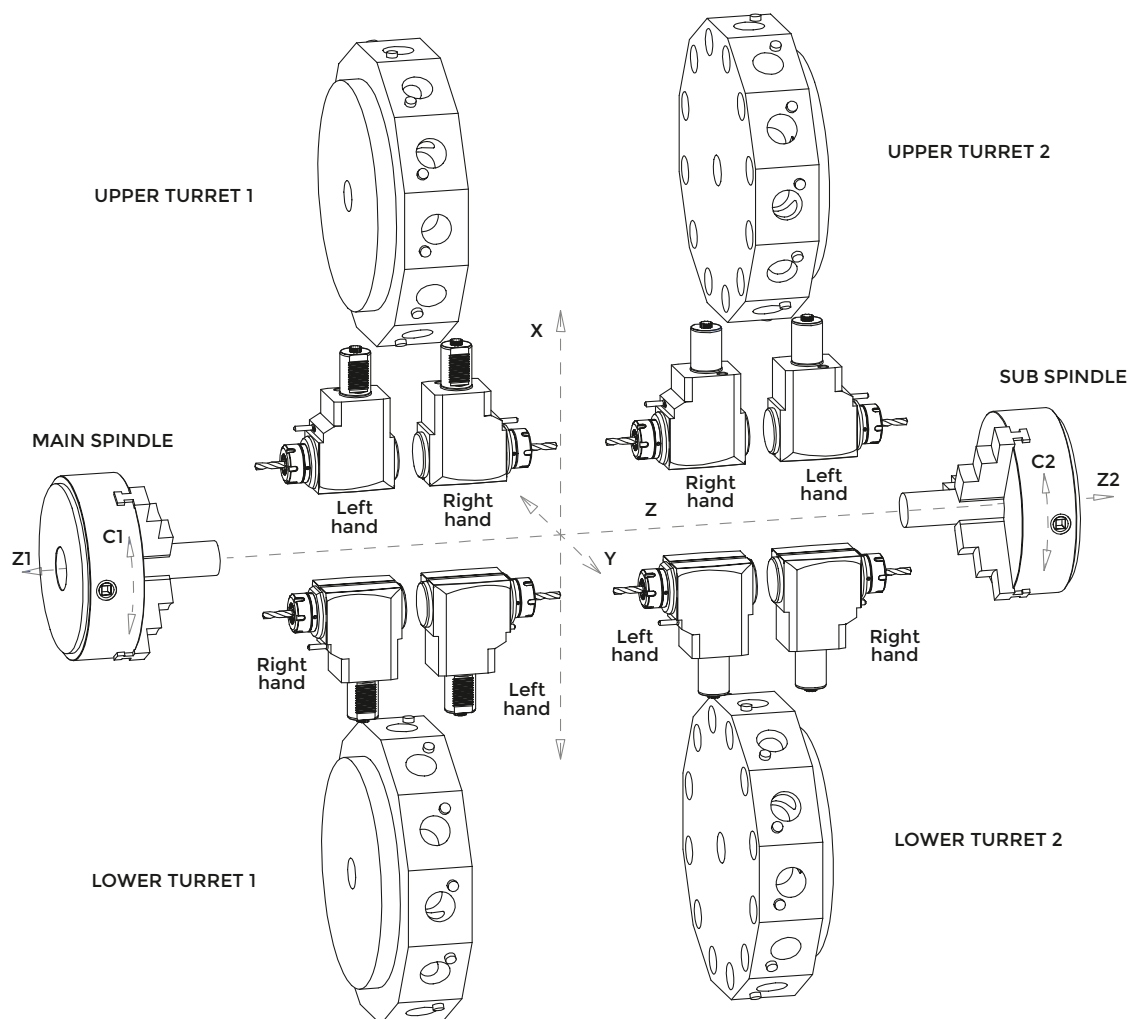
AXIAL OPERATION ANGULAR TOOL HOLDER 90° ANGLE



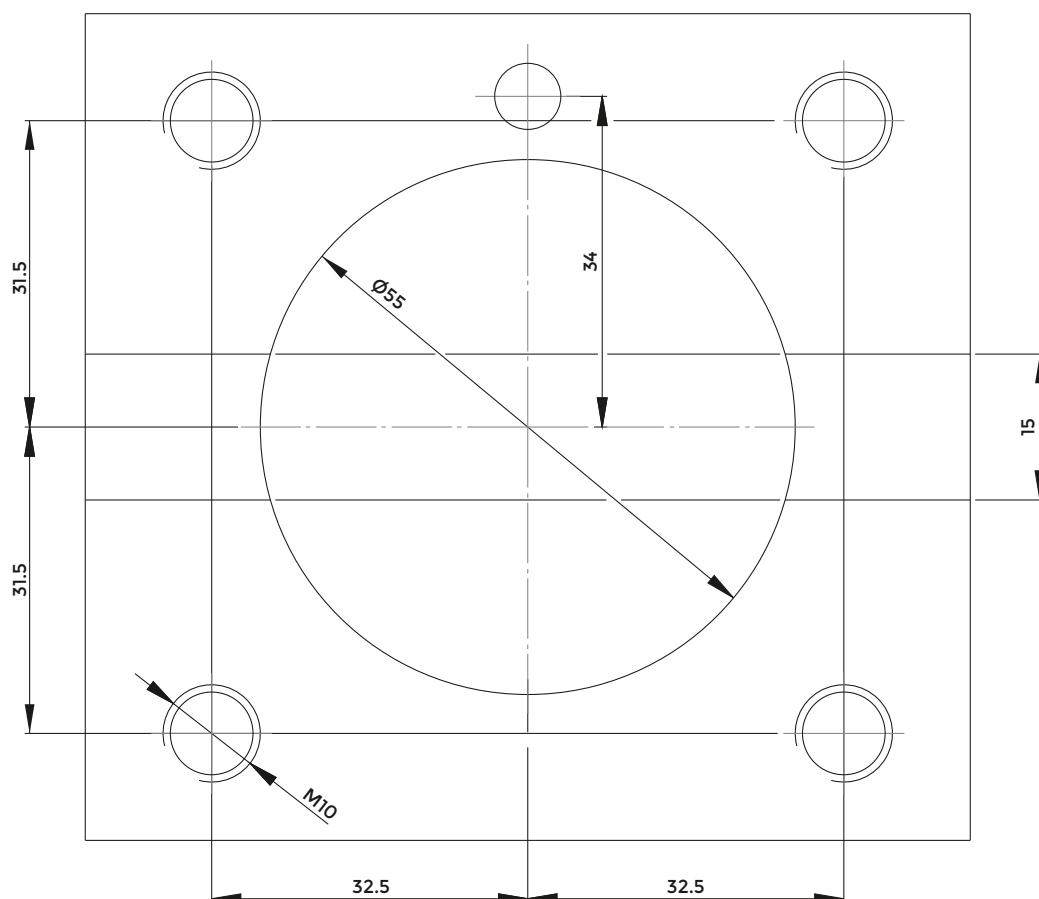
RADIAL OPERATION STRAIGHT TOOL HOLDER



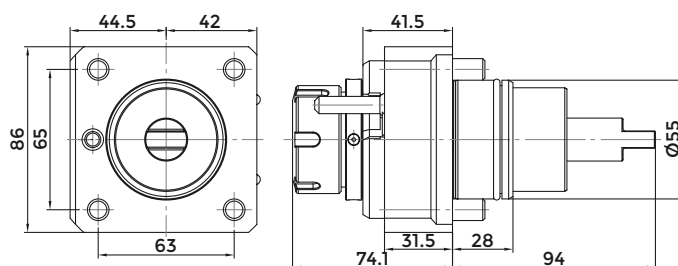
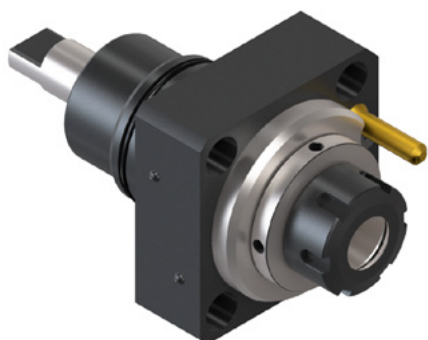
RIGHT AND LEFT HAND VERSION ON STAR TYPE TURRETS WITH MAIN AND SUB



CONNECTION TURRET BIGLIA



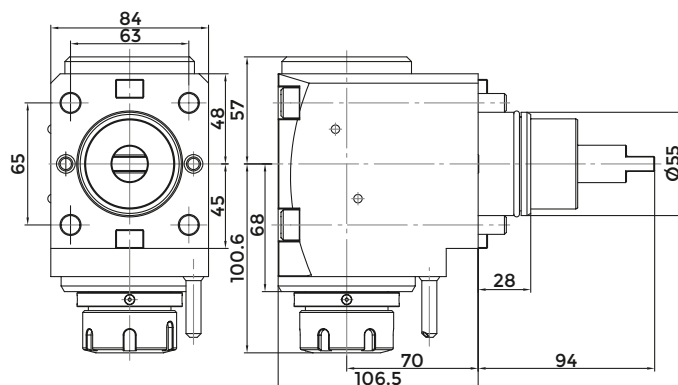
AXIAL DRILLING AND MILLING HEAD



BIGLIA

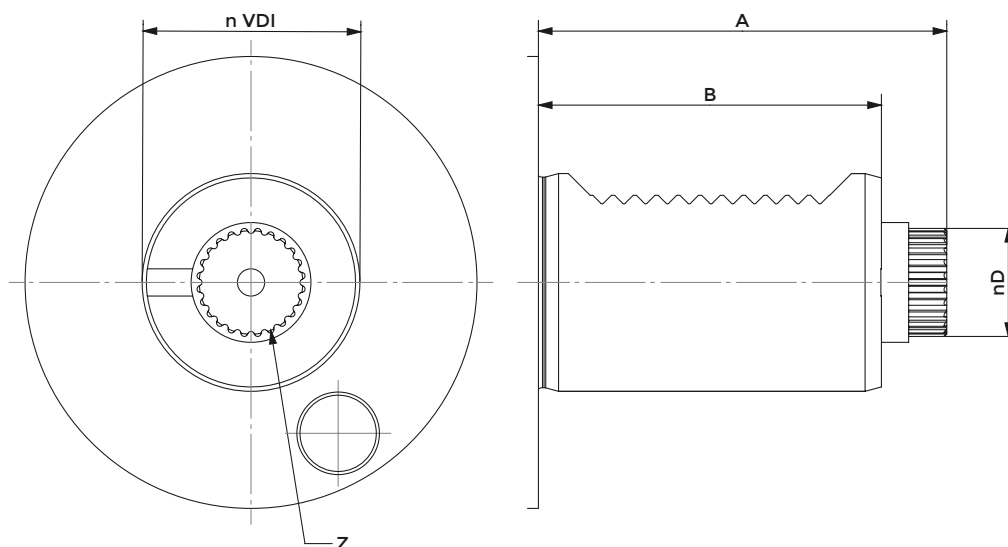
COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-05519	ER25	6000	1:1	50	NO	-
124-05520	ER25	6000	1:1	50	YES	20
124-05521	ER32	6000	1:1	50	NO	-
124-05522	ER32	6000	1:1	50	YES	20

RADIAL DRILLING AND MILLING HEAD



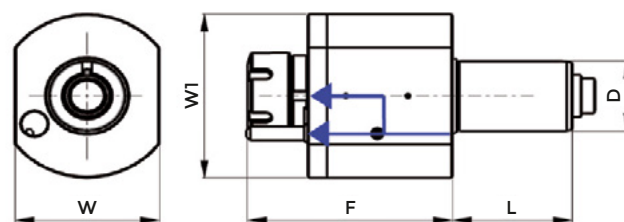
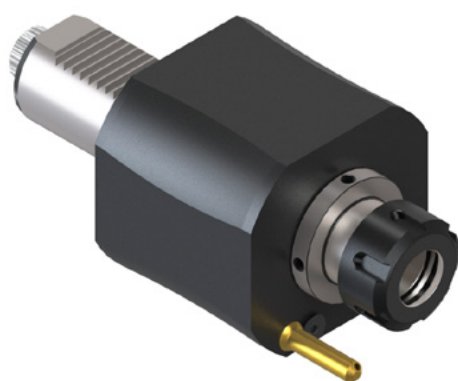
BIGLIA

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-05523	ER32	6000	1:1	50	NO	-
124-05524	ER32	6000	1:1	50	YES	20



VDI	A	B	d	Z
30	67	55	15,8	18
40	75	63	19,8	24
50	93	78	23,8	18

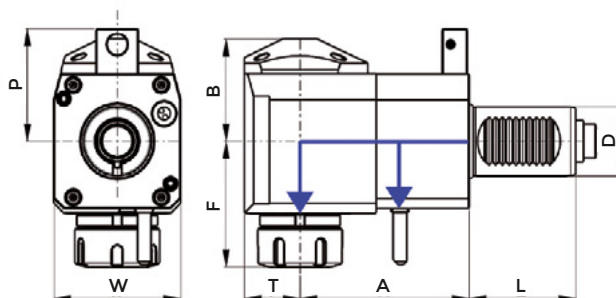
AXIAL DRILLING AND MILLING HEAD



DIN5480 SAUTER

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43001	30	ER25	NO	87	55	64	68	28	6000	1:1	-
116-43002	30	ER25	YES	87	55	64	68	28	6000	1:1	20
116-44001	40	ER25	NO	105	63	80	86	50	6000	1:1	-
116-44002	40	ER25	YES	105	63	80	86	50	6000	1:1	20
116-44003	40	ER32	NO	108	63	80	86	50	6000	1:1	-
116-44004	40	ER32	YES	108	63	80	86	50	6000	1:1	20
116-45040	50	ER32	NO	114,1	78	88	88	80	6000	1:1	-
116-45041	50	ER32	YES	114,1	78	88	88	80	6000	1:1	20
116-45017	50	ER40	YES	116,1	78	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



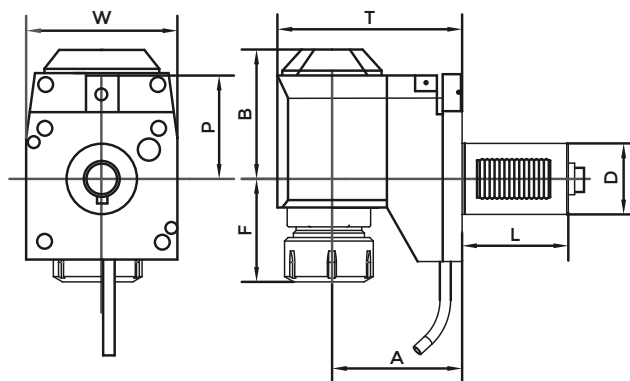
DIN5480 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43003	30	ER25	NO	DX	55	48	63	55	56	29	64	28	6000	1:1	-
116-43004	30	ER25	YES	DX	55	51	63	55	56	29	64	28	6000	1:1	20
116-43004L	30	ER25	YES	SX	55	51	63	55	56	29	64	28	6000	1:1	20
116-44005	40	ER25	NO	DX	80	59	70	63	65	36	75	50	6000	1:1	-
116-44006	40	ER25	YES	DX	80	62	70	63	65	36	75	50	6000	1:1	20
116-44006-80BAR	40	ER25	YES	DX	80	62	70	63	65	36	75	50	6000	1:1	80
116-43005	30	ER25	NO	DX	85	48	63	55	56	29	64	28	6000	1:1	-
116-43006	30	ER25	YES	DX	85	51	63	55	56	29	64	28	6000	1:1	20
116-54069	30	ER25	YES	DX/SX	85	51	65	55	56	29	64	28	6000	1:1	20
116-46001	30	ER25	NO	DX	100	48	63	55	56	29	64	28	6000	1:1	-
116-46002	30	ER25	YES	DX	100	51	63	55	56	29	64	28	6000	1:1	20
116-54097	40	ER25	NO	SX	100	59	72	63	65	36	75	50	6000	1:1	-
116-44007	40	ER25	NO	DX	100	59	70	63	65	36	75	50	6000	1:1	-
116-44008	40	ER25	YES	DX	100	62	70	63	65	36	75	50	6000	1:1	20
116-44009	40	ER32	NO	DX	80	59	74	63	65	36	75	50	6000	1:1	-
116-54098	40	ER32	YES	DX/SX	80	62	75	63	65	36	75	50	6000	1:1	20
116-44010	40	ER32	YES	DX	80	62	74	63	65	36	75	50	6000	1:1	20
116-44011	40	ER32	NO	DX	100	59	74	63	65	36	75	50	6000	1:1	-
116-44012	40	ER32	YES	DX	100	62	74	63	65	36	75	50	6000	1:1	20
116-44012L	40	ER32	YES	SX	100	62	74	63	65	36	75	50	6000	1:1	20
116-54099	40	ER32	YES	DX	100	72	75	63	65	36	75	50	6000	1:1	80
116-45053	50	ER32	NO	SX	110	64	117,1	78	73	42	88	80	6000	1:1	-
116-45054	50	ER32	YES	DX	110	64	117,1	78	73	42	88	80	6000	1:1	20
116-45030	50	ER40	YES	DX	110	64	119,1	78	73	42	88	80	6000	1:1	20

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

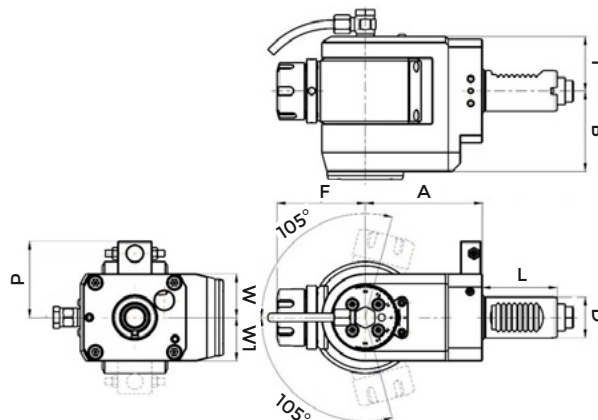
OFFSET RADIAL DRILLING AND MILLING HEAD



DIN 5480 SAUTER

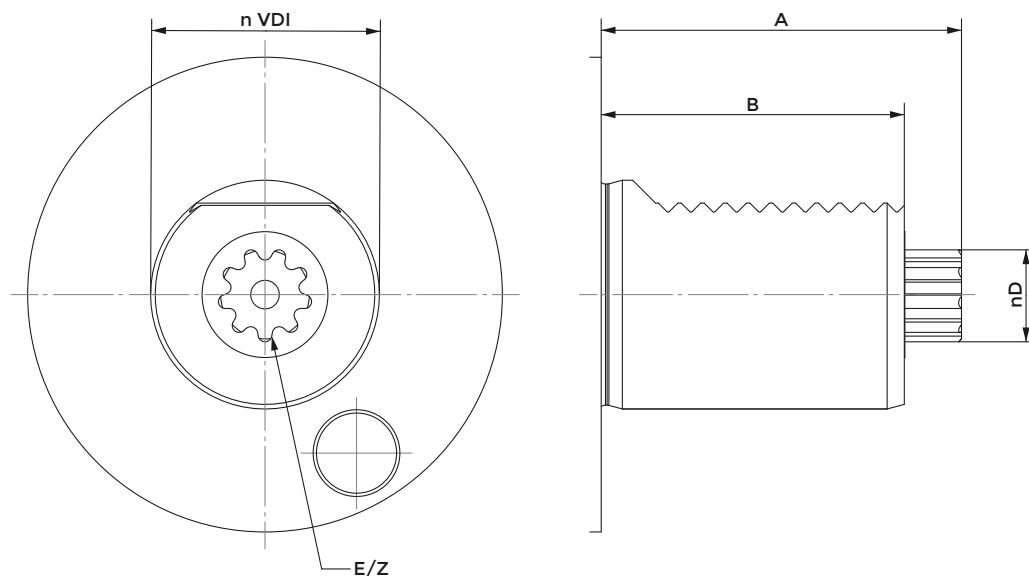
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43008	30	ER25	NO	DX	75	71	40	55	56	104	64	28	6000	1:1	-
116-43009	30	ER25	YES	DX	75	74	40	55	56	104	64	28	6000	1:1	20
116-44016	40	ER32	NO	DX	120	92	41	63	65	156	75	50	6000	1:1	-
116-44017	40	ER32	YES	DX	120	95	41	63	65	156	75	50	6000	1:1	20

AXIAL - RADIAL DRILLING AND MILLING HEAD



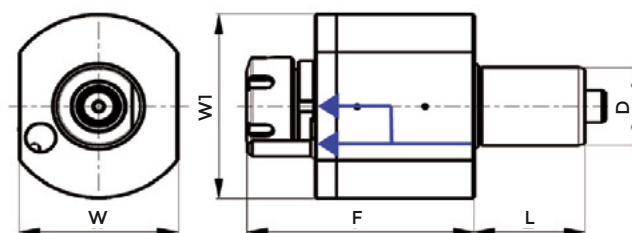
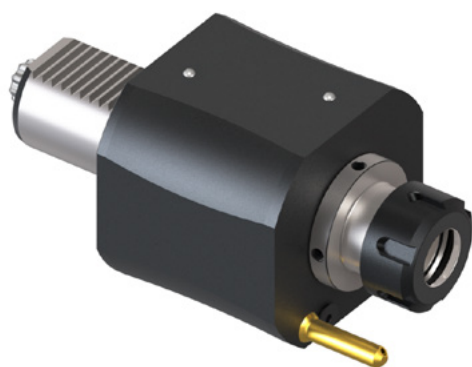
DIN 5480 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54083	30	ER25	NO	DX	86	59	45	55	56	40	32	32	16	6000	1:1	-
116-54084	30	ER25	YES	DX	86	59	45	55	56	40	32	32	16	6000	1:1	20
116-54085	30	ER25	YES	SX	86	59	65	55	56	40	32	32	16	6000	1:1	20



VDI	A	B	d	E	Z
30	55	45	14,5	B15X12	8
40	63	53	16,5	B17X14	9
50	93	78	19,5	B20X17	11

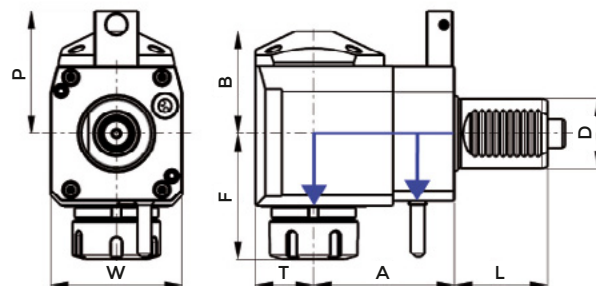
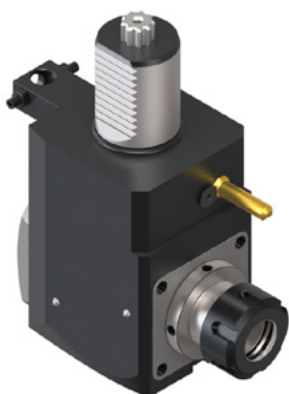
AXIAL DRILLING AND MILLING HEAD



DIN5482 SAUTER

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43010	30	ER25	NO	87	45	64	68	28	6000	1:1	-
116-43011	30	ER25	YES	87	45	64	68	28	6000	1:1	20
116-44019	40	ER25	YES	105	53	80	86	50	6000	1:1	20
116-44020	40	ER32	NO	108	53	80	86	50	6000	1:1	-
116-44021	40	ER32	YES	108	53	80	86	50	6000	1:1	20
116-45013	50	ER40	YES	116,1	71	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



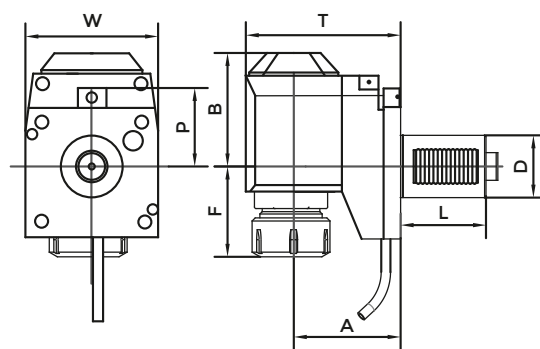
DIN5482 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43013	30	ER25	YES	DX	55	51	63	45	48	26	64	28	6000	1:1	20
116-44024	40	ER32	NO	DX	80	59	74	53	71	33	75	50	6000	1:1	-
116-44025	40	ER32	YES	DX	80	62	74	53	71	33	75	50	6000	1:1	20
116-45044	50	ER32	NO	DX	110	64	117,1	71	83	42	88	80	6000	1:1	-

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD



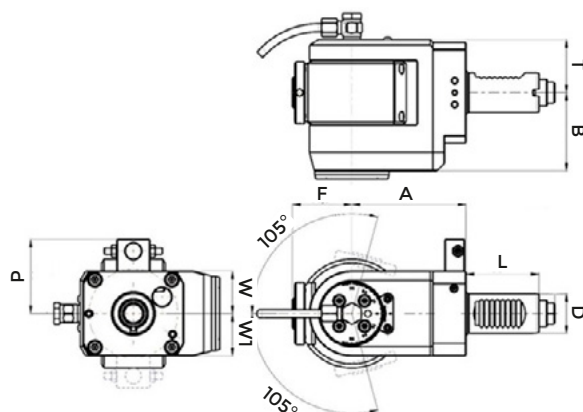
DIN5482 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54076	30	ER25	NO	SX	75	71	42	45	48	104	64	28	6000	1:1	-

* left version on enquiry

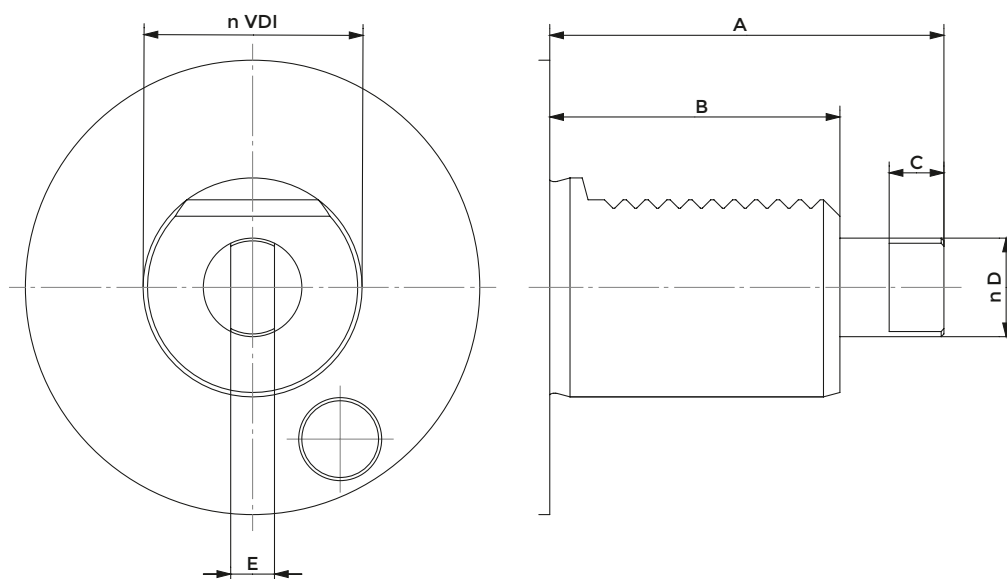
ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

AXIAL - RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



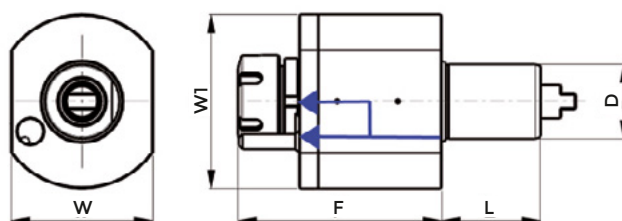
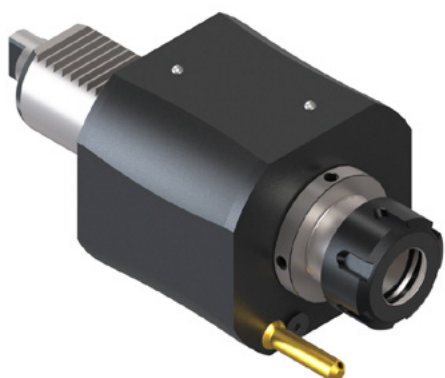
DIN5482 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54080	30	ER16	NO	DX	86	59	45	55	48	40	32	32	16	6000	1:1	-



VDI	A	B	C	d	E
30	62	45	8	12	6
40	72	53	10	18	8
50	91	78	13	24	13

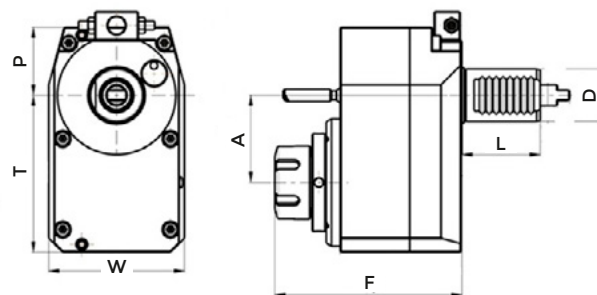
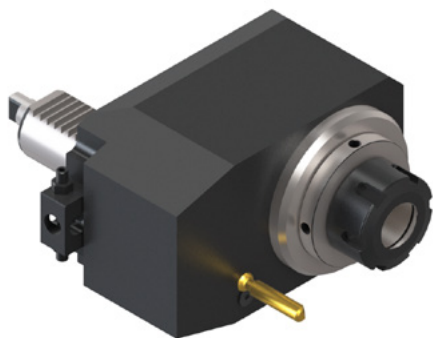
AXIAL DRILLING AND MILLING HEAD



DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54065	30	ER25	YES	90	55	64	68	28	6000	1:1	20
116-43017	30	ER25	NO	87	45	64	68	28	6000	1:1	-
116-43018	30	ER25	YES	87	45	64	68	28	6000	1:1	20
116-44027	40	ER25	YES	105	53	80	86	50	6000	1:1	20
116-44028	40	ER32	NO	108	53	80	86	50	6000	1:1	-
116-44029	40	ER32	YES	108	53	80	86	50	6000	1:1	20
116-44030	40	ER32	NO	95	53	80	86	50	6000	1:1	-
116-44031	40	ER32	YES	95	53	80	86	50	6000	1:1	20
116-45039	50	ER32	YES	114,1	71	88	88	80	6000	1:1	20
116-45014	50	ER40	NO	116,1	71	88	88	80	6000	1:1	-
116-45015	50	ER40	YES	116,1	71	88	88	80	6000	1:1	20

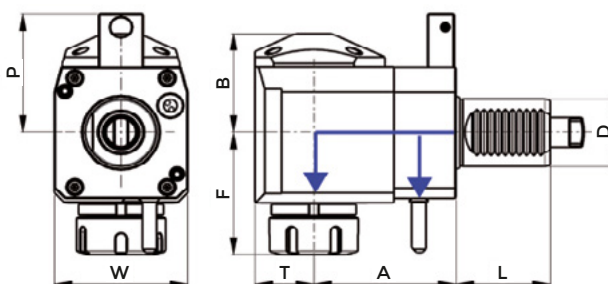
OFFSET AXIAL DRILLING AND MILLING HEAD



DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54074	30	ER25	NO	DX	50	107,6	45	40	90	78	14	12000	1:2	-

RADIAL DRILLING AND MILLING HEAD



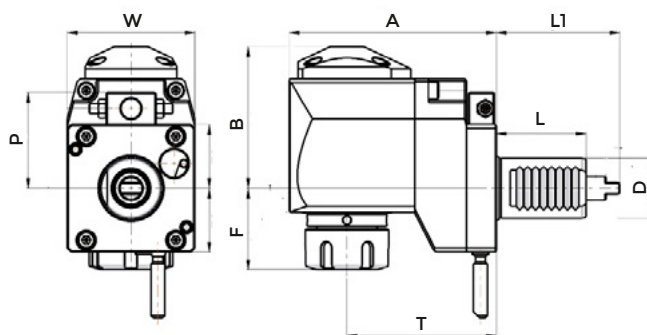
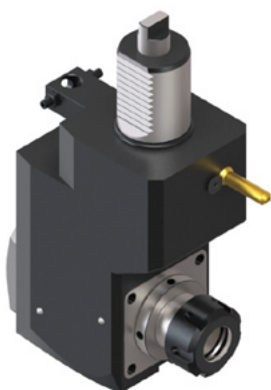
DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54068	30	ER25	NO	SX	55	48	65	55	48	29	64	28	6000	1:1	-
116-43019	30	ER25	NO	DX	55	48	63	45	48	29	64	28	6000	1:1	-
116-43020	30	ER25	YES	DX	55	51	63	45	48	29	64	28	6000	1:1	20
116-54092	40	ER32	NO	SX	80	59	75	53	71	36	75	50	6000	1:1	-
116-44034	40	ER32	NO	DX	80	59	74	53	71	36	75	50	6000	1:1	-
116-44035	40	ER32	YES	DX	80	62	74	53	71	36	75	50	6000	1:1	20
116-44038	40	ER32	NO	SX	100	59	74	53	-	36	75	50	6000	1:1	-
116-44039	40	ER32	YES	SX	100	62	74	53	-	36	75	50	6000	1:1	20
116-45050	50	ER32	YES	DX	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45051	50	ER32	YES	SX	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45026	50	ER40	YES	DX	110	64	119,1	71	83	42	88	80	6000	1:1	20

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

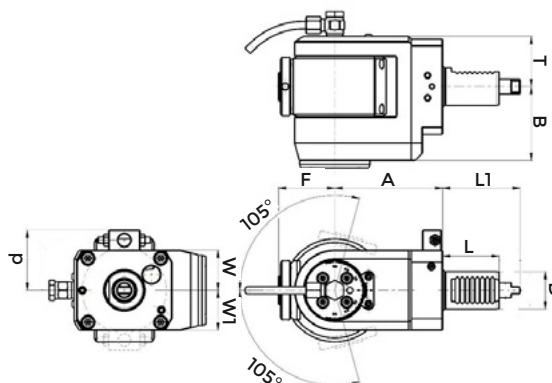


DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43022	30	ER25	NO	DX	104	71	40	45	48	75	64	28	6000	1:1	-
116-43022L	30	ER25	NO	SX	104	71	40	45	48	75	64	28	6000	1:1	-
116-43023	30	ER25	YES	DX	104	74	40	45	48	75	64	28	6000	1:1	20
116-46010	40	ER32	YES	DX	156	95	40	53	72	120	75	50	6000	1:1	20

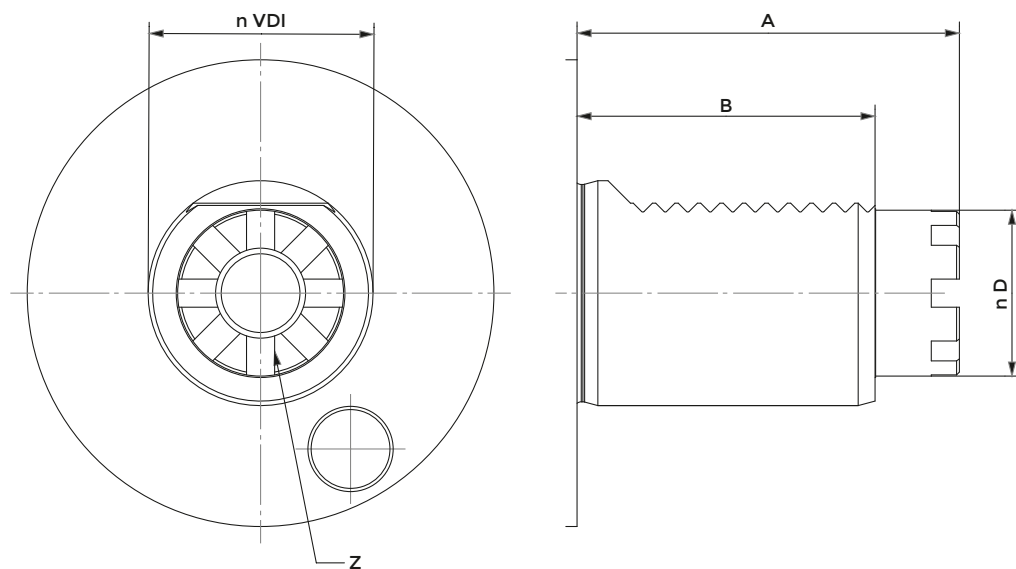
ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

AXIAL - RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



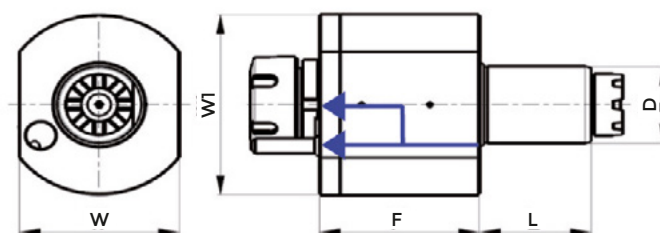
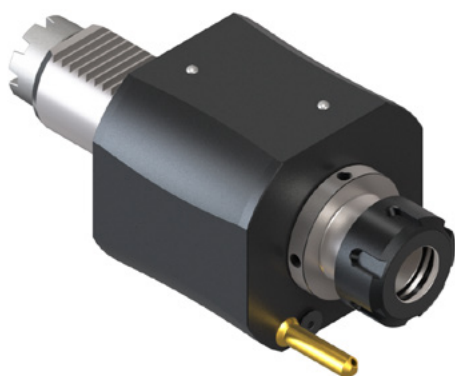
DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54082	30	ER16	NO	DX	79	59	45	45	62	48	40	32	32	16	6000	1:1	-
116-54081	30	ER25	NO	SX	79	59	45	45	62	48	40	32	32	16	6000	1:1	-
116-54114	40	ER25	NO	SX	79	59	65	53	72	71	40	32	32	16	6000	1:1	-



VDI	A	B	d	Z
30	59	45/53	24	6
40	68	53	32	8
50	84	70	40	8

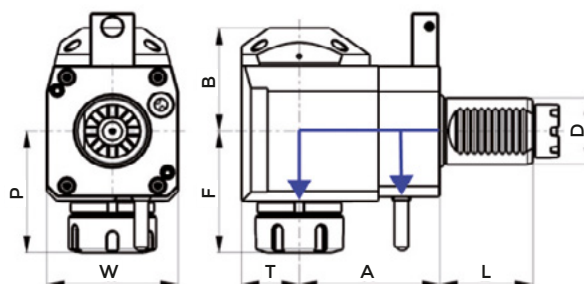
AXIAL DRILLING AND MILLING HEAD



TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43024	30	ER25	NO	87	45	64	68	28	6000	1:1	-
116-43025	30	ER25	YES	87	45	64	68	28	6000	1:1	20
116-44045	40	ER25	YES	105	53	80	86	50	6000	1:1	20
116-44046	40	ER32	NO	108	53	80	86	50	6000	1:1	-
116-44047	40	ER32	YES	108	53	80	86	50	6000	1:1	20
116-45043	50	ER32	YES	114,1	71	88	88	80	6000	1:1	20
116-45018	50	ER40	NO	116,1	71	88	88	80	6000	1:1	-
116-45019	50	ER40	YES	116,1	71	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



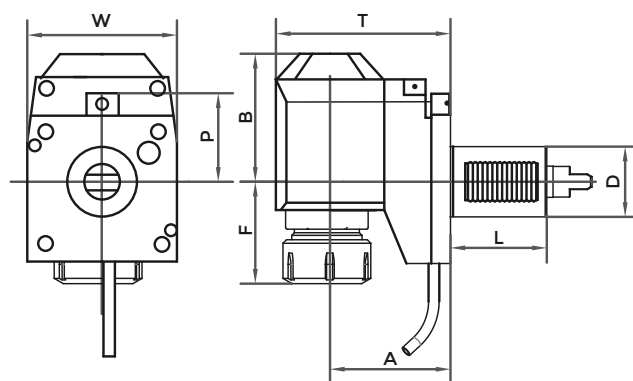
TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54072	30	ER25	YES	DX	55	61	65	45	48	29	64	28	6000	1:1	80
116-43026	30	ER25	NO	DX	55	48	63	45	48	29	64	28	6000	1:1	-
116-43027	30	ER25	YES	DX	55	51	63	45	48	29	64	28	6000	1:1	20
116-54070	30	ER25	NO	SX	85	48	65	45	48	29	64	28	6000	1:1	-
116-54071	30	ER25	YES	SX	85	48	65	45	48	29	64	28	6000	1:1	20
116-44049	40	ER25	YES	DX	80	62	70	53	71	36	75	50	6000	1:1	20
116-44050	40	ER32	NO	DX	80	59	74	53	71	36	75	50	6000	1:1	-
116-44051	40	ER32	YES	DX	80	62	74	53	71	36	75	50	6000	1:1	20
116-45059	50	ER32	YES	SX	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45033	50	ER40	NO	SX	110	64	119,1	71	83	42	88	80	6000	1:1	20
116-45034	50	ER40	YES	DX	110	64	119,1	71	83	42	88	80	6000	1:1	20
116-45035	50	ER40	YES	SX	110	64	119,1	71	83	42	88	80	6000	1:1	20

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

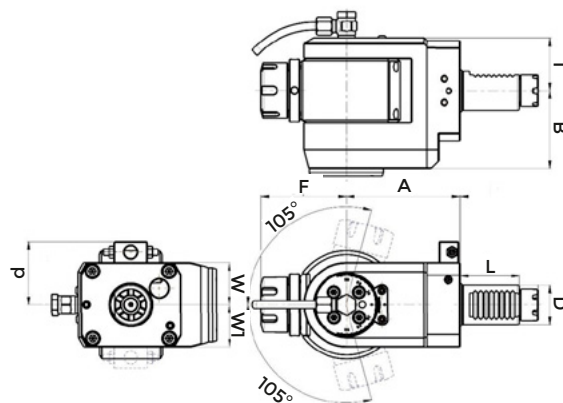


TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43029	30	ER25	NO	DX	75	71	40	45	48	104	64	28	6000	1:1	-
116-43030	30	ER25	YES	DX	75	74	40	45	48	104	64	28	6000	1:1	20
116-46012	40	ER25	YES	DX	120	95	37	53	71	156	75	50	6000	1:1	20
116-46013	40	ER32	NO	DX	120	92	41	53	71	156	75	50	6000	1:1	-
116-46014	40	ER32	YES	DX	120	95	41	53	71	156	75	50	6000	1:1	20

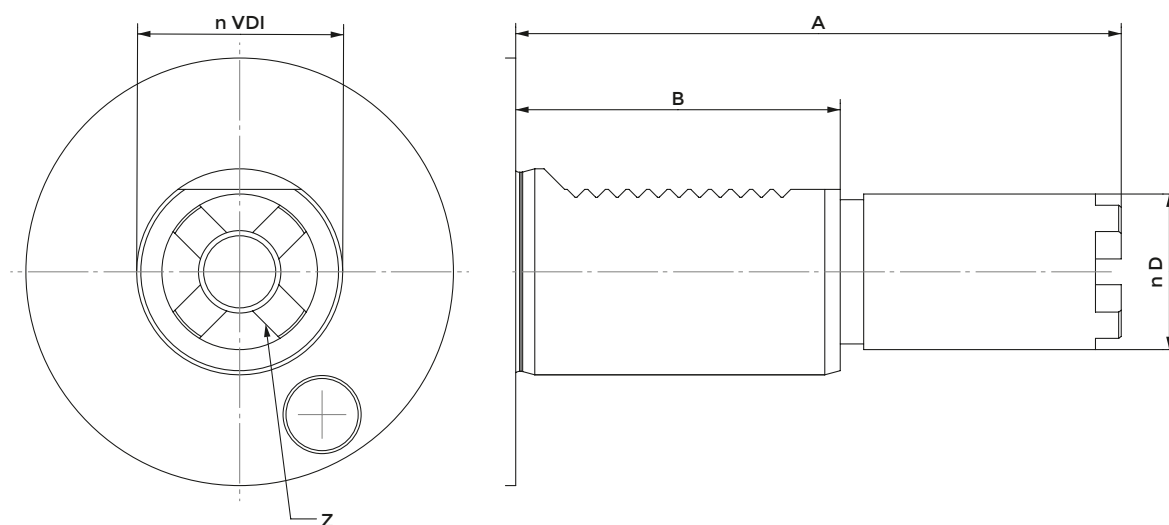
ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

AXIAL - RADIAL DRILLING AND MILLING HEAD



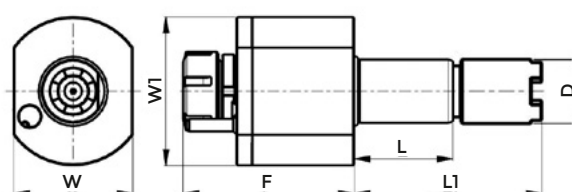
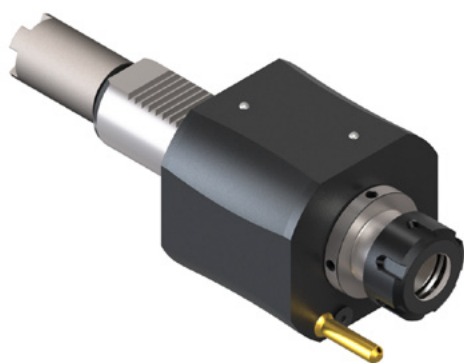
TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54086	30	ER25	NO	DX	79	59	65	45	48	40	39	39	16	6000	1:1	-
116-54130	40	ER25	NO	SX	79	59	65	53	71	40	39	39	16	6000	1:1	-
116-54131	40	ER25	YES	SX	86	59	65	53	71	40	39	39	16	6000	1:1	20



VDI	A	B	D	Z	TIPO
40	104,85	63	30,2	4	1
40	117,55	63	30,2	4	2
40	130,25	63	30,2	4	3

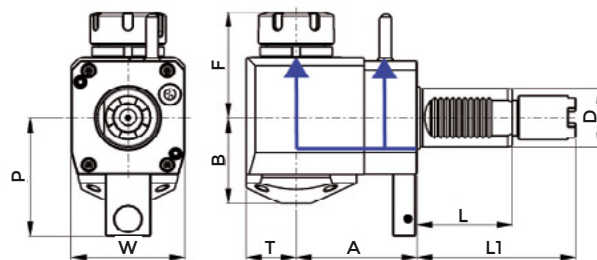
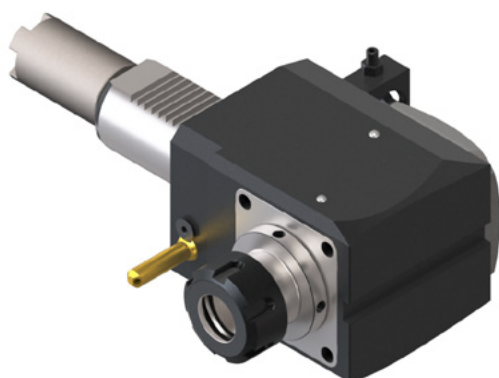
AXIAL DRILLING AND MILLING HEAD



STEPPED - HAAS

COD.	D	ER	INTERNAL COOLING	F	L	L1	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-44060	40	ER25	NO	105	63	117,55	80	86	50	6000	1:1	-
116-44058	40	ER32	NO	108	63	104,85	80	86	50	6000	1:1	-
116-44059	40	ER32	YES	108	63	104,85	80	86	50	6000	1:1	20
116-44062	40	ER32	NO	108	63	117,55	80	86	50	6000	1:1	-
116-44063	40	ER32	YES	108	63	117,55	80	86	50	6000	1:1	20
116-44066	40	ER32	NO	108	63	130,25	80	86	50	6000	1:1	-

RADIAL DRILLING AND MILLING HEAD

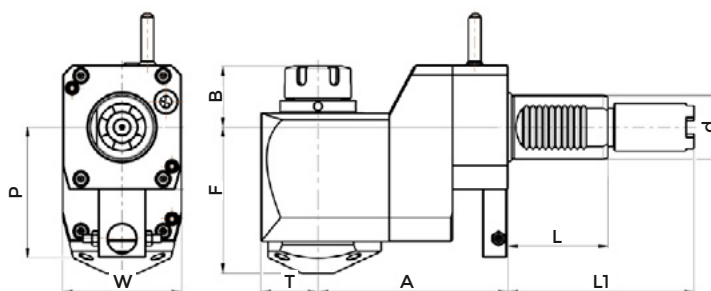
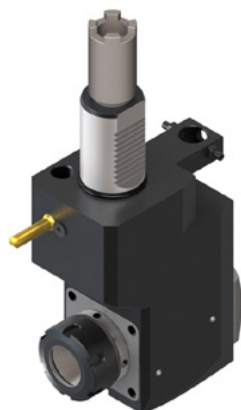


STEPPED - HAAS

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-44073	40	ER25	YES	SX	80	62	70	63	117,55	82	36	75	50	6000	1:1	20
116-54105	40	ER32	YES	SX	80	59	91	63	130,25	82	36	75	50	6000	1:1	20
116-47003	40	ER32	NO	SX	69	59	74	63	104,85	82	36	75	50	6000	1:1	-
116-54101	40	ER32	NO	SX	69	56	91	63	117,55	82	36	75	50	6000	1:1	-
116-47004	40	ER32	YES	SX	69	62	74	63	104,85	82	36	75	50	6000	1:1	20
116-47007	40	ER32	NO	SX	69	59	74	63	117,55	82	36	75	50	6000	1:1	-
116-47008	40	ER32	YES	SX	69	62	74	63	117,55	82	36	75	50	6000	1:1	20
116-44074	40	ER32	NO	SX	80	59	74	63	117,55	82	36	75	50	6000	1:1	-
116-44075	40	ER32	YES	SX	80	62	74	63	117,55	82	36	75	50	6000	1:1	20
116-44078	40	ER32	NO	SX	80	59	74	63	130,25	82	36	75	50	6000	1:1	-

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

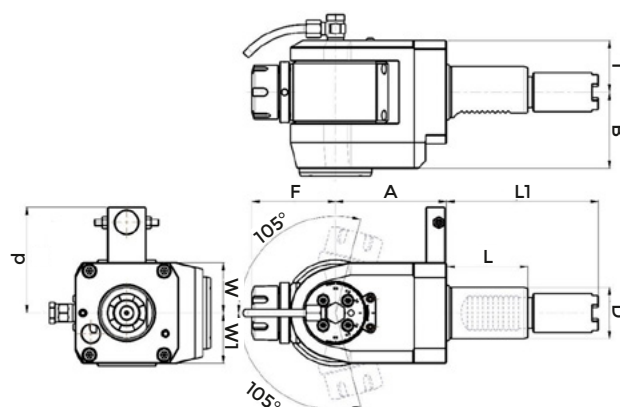
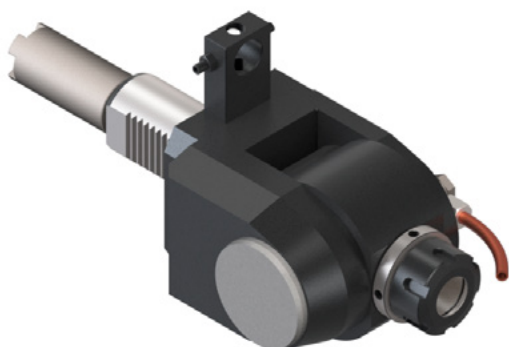
OFFSET RADIAL DRILLING AND MILLING HEAD



STEPPED - HAAS

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54110	40	ER32	NO	SX	120	92	42	63	117,55	82	36	75	50	6000	1:1	-
116-54113	40	ER32	YES	SX	120	95	42	63	117,55	82	36	75	50	6000	1:1	20

AXIAL - RADIAL DRILLING AND MILLING HEAD



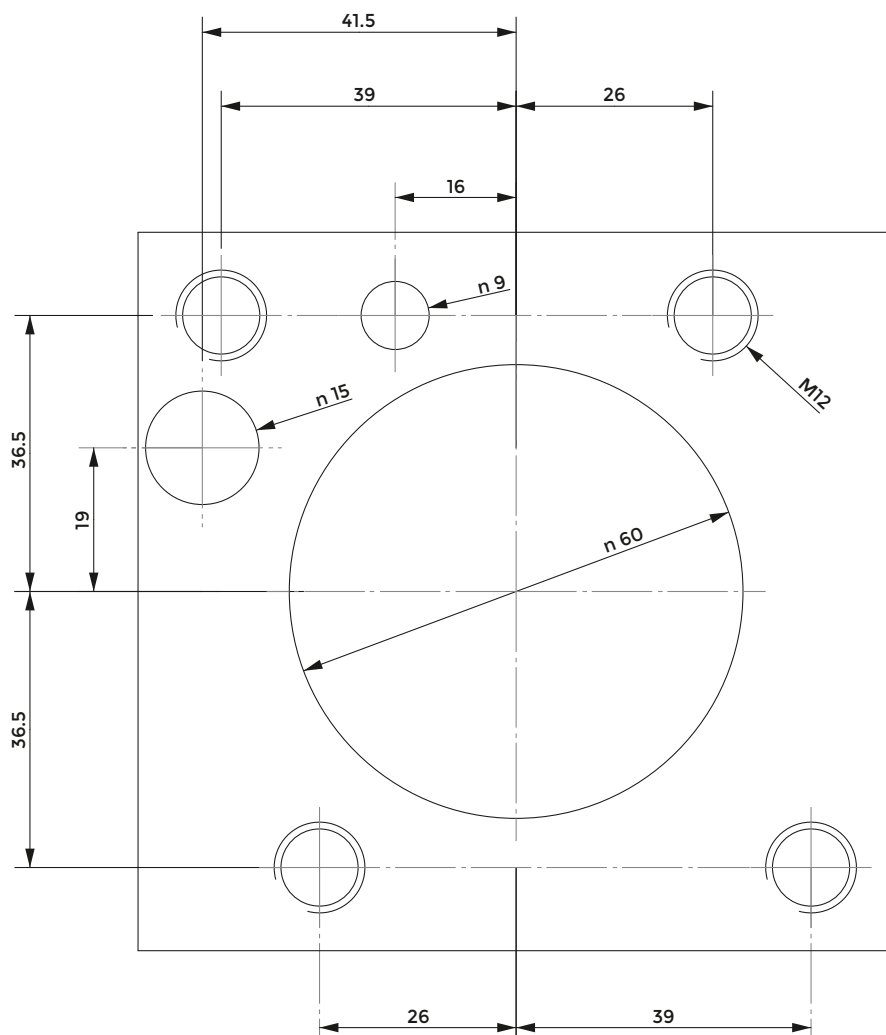
STEPPED - HAAS

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-04009	40	ER25	YES	SX	86	59	65	63	130,25	82	40	39	39	16	6000	1:1	20

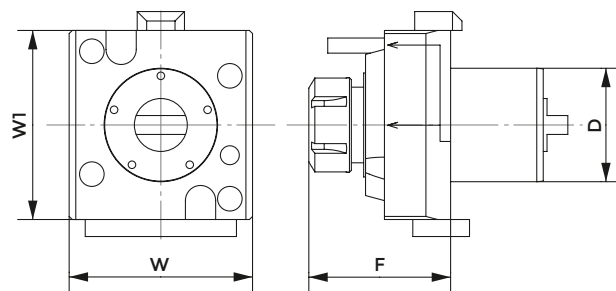
OKUMA - BMT60 - LB2000 EX (M) - LB2500 EX (M) - LB3000 EX (M,MY)
 LT2000 EX - LB3000 EX (MW,MYW) - LU2000 EX - LU2500 EX
 LU3000 EX (M,MW,MY) - GENOS L300 (MY,MW,MYW)

Index of machines p. 307

CONNECTION TURRET BMT60



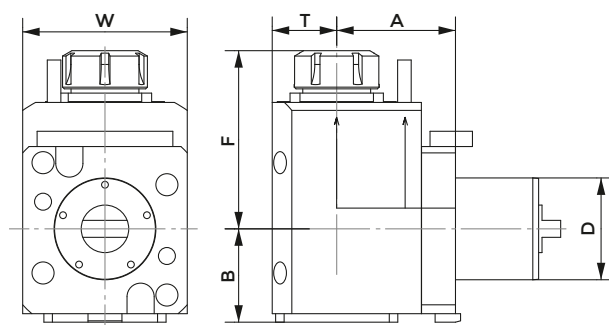
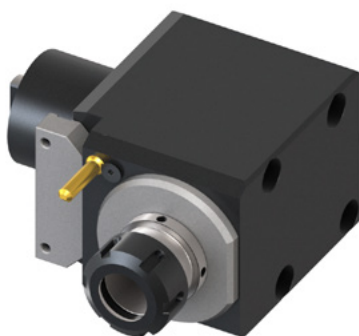
AXIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	A	B	F	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06005	60	ER32	NO	87	97	100	70	6000	1:1	-
124-06006	60	ER32	YES	87	97	100	70	6000	1:1	20

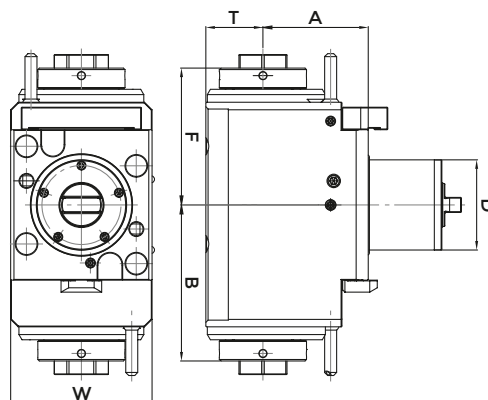
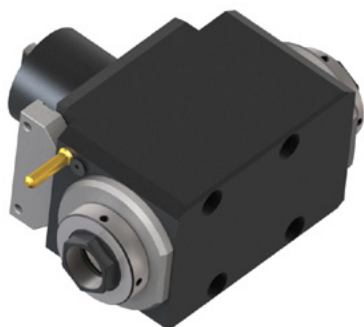
RADIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06007	60	ER32	NO	DX/SX	70	59	111	38	94	70	6000	1:1	-
124-06008	60	ER32	YES	DX/SX	70	59	111	38	94	70	6000	1:1	20

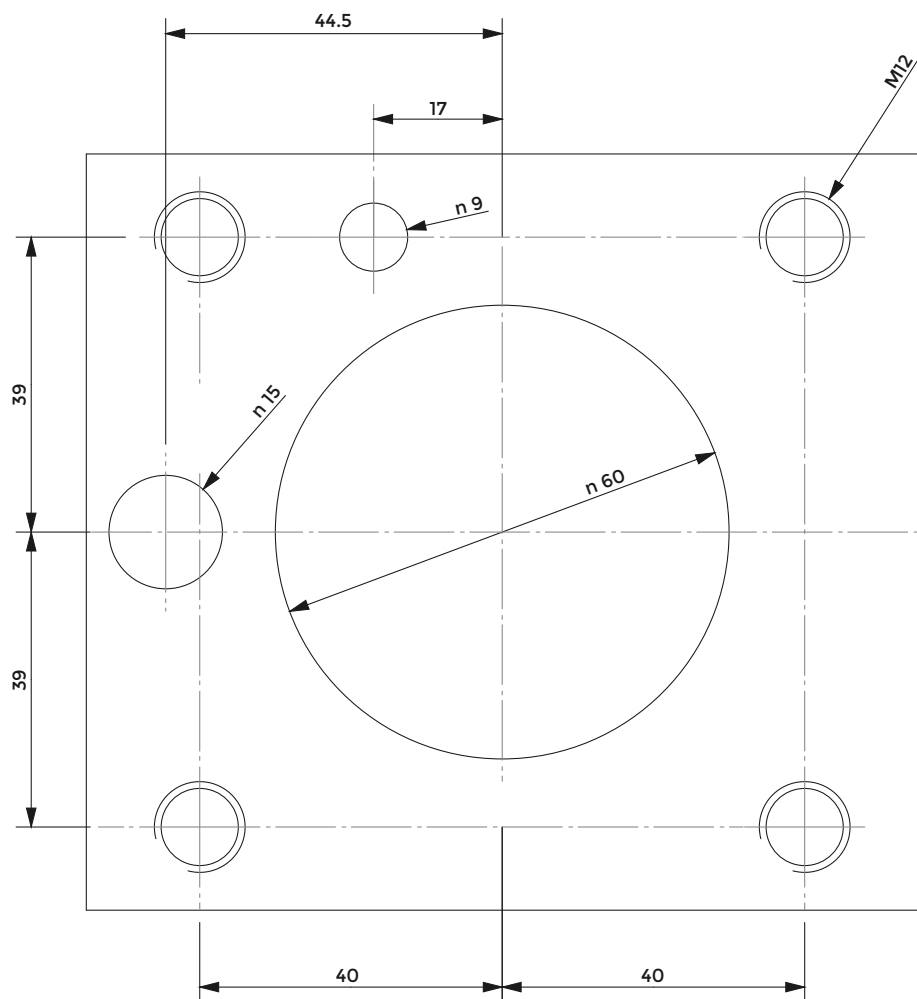
DOUBLE RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



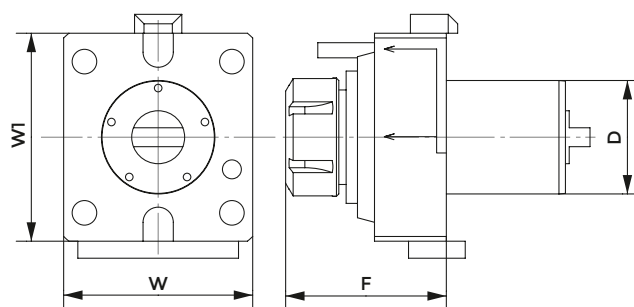
DOUBLE OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06602	60	32	YES	DX/SX	70	103.8	91	38	94	49	70	6000	1:1	20

CONNECTION TURRET OKUMA BMT60



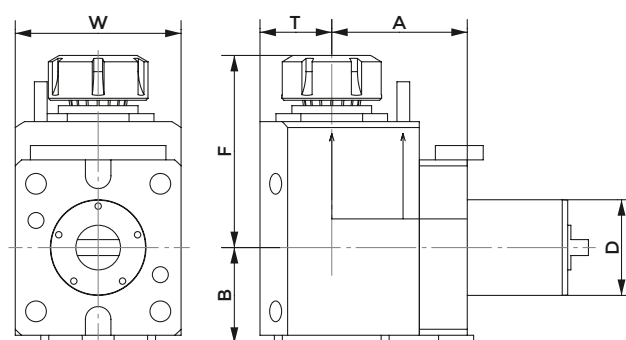
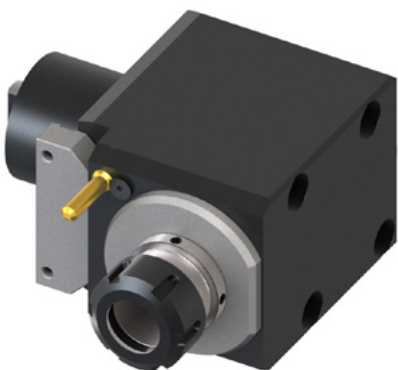
AXIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	A	B	F	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06009	60	ER40	NO	82	100	110	80	6000	1:1	-
124-06010	60	ER40	YES	82	100	110	80	6000	1:1	20

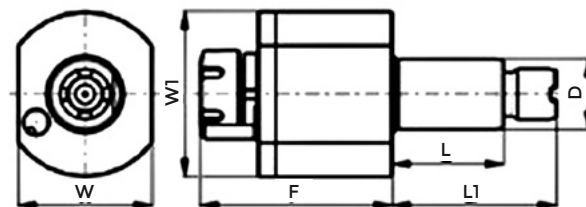
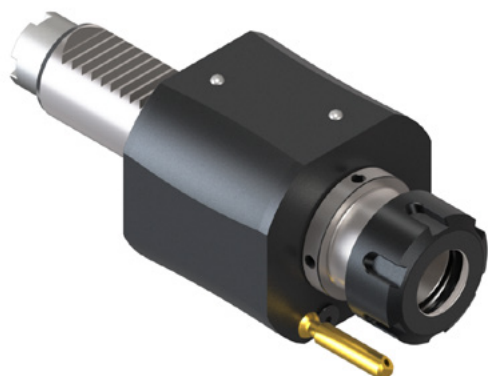
RADIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06011	60	ER40	NO	DX/SX	85	64	121	44	100	80	6000	1:1	-
124-06012	60	ER40	YES	DX/SX	85	64	121	44	100	80	6000	1:1	20
124-06014	60	ER40	YES	DX/SX	85	64	121	44	100	80	6000	1:1	80

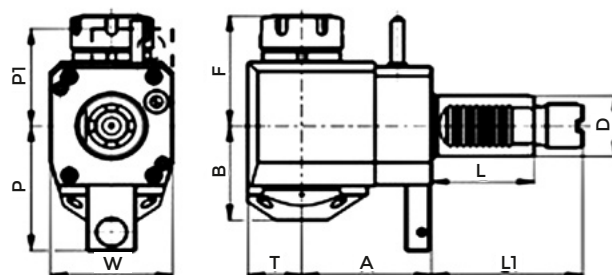
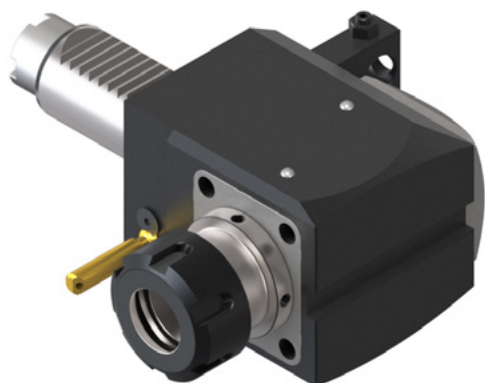
AXIAL DRILLING AND MILLING HEAD



STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	F	L	L1	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54066	30	ER25	YES	88,5	55	69	67	67	28	6000	1:1	80
116-43031	30	ER25	NO	87	55	69	64	68	28	6000	1:1	-
116-43032	30	ER25	YES	87	55	69	64	68	28	6000	1:1	20
116-44098	40	ER25	NO	105	63	93	80	86	50	6000	1:1	-
116-54090	40	ER32	YES	93,5	63	93	79	79	50	6000	1:1	80
116-54001	40	ER32	NO	108	63	93	80	86	50	6000	1:1	-
116-54002	40	ER32	YES	108	63	93	80	86	50	6000	1:1	20
116-54005	40	ER32	NO	108	63	101	80	86	50	6000	1:1	-
116-54006	40	ER32	YES	108	63	101	80	86	50	6000	1:1	20
116-54119	50	ER32	YES	114	71	106	88	88	80	6000	1:1	80
116-54120	50	ER40	NO	116	71	106	88	88	80	6000	1:1	-

RADIAL DRILLING AND MILLING HEAD

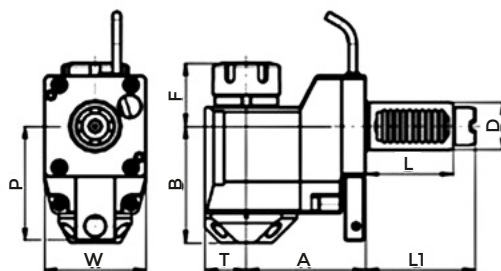


STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	P Bar
116-43033	30	ER25	NO	DX	85	48	63	55	69	-	29	64	-
116-43035	30	ER25	NO	SX	55	48	63	55	69	72	29	64	-
116-43036	30	ER25	YES	SX	55	51	63	55	69	72	29	64	20
116-54007	40	ER25	NO	SX	80	59	70	63	93	82	36	75	-
116-54009	40	ER32	NO	SX	80	59	74	63	93	82	36	75	-
116-54010	40	ER32	YES	SX	80	62	74	63	93	82	36	75	20
116-54014	40	ER32	YES	SX	80	62	74	63	101	82	36	75	20
116-54017	40	ER32	NO	DX	80	59	74	63	93	-	36	75	-
116-54018	40	ER32	YES	DX	80	62	74	63	93	-	36	75	20
116-54104	40	ER32	YES	SX	67	62	91	63	93	82	36	75	20
116-54106	40	ER32	YES	SX	80	62	91	63	93	82	36	75	20
116-54127	50	ER32	YES	SX	110	64	117	71	106	102	42	88	20
116-54128	50	ER40	NO	SX	110	64	119	71	106	102	42	88	-
116-54129	50	ER40	YES	SX	110	64	119	71	106	102	42	88	20

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

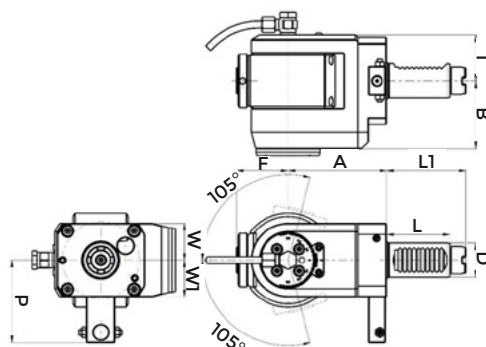


STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-48002	40	ER25	YES	SX	120	95	37	63	104,85	82	36	75	50	6000	1:1	20
116-48004	40	ER32	YES	SX	120	95	41	63	104,85	82	36	75	50	6000	1:1	20

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

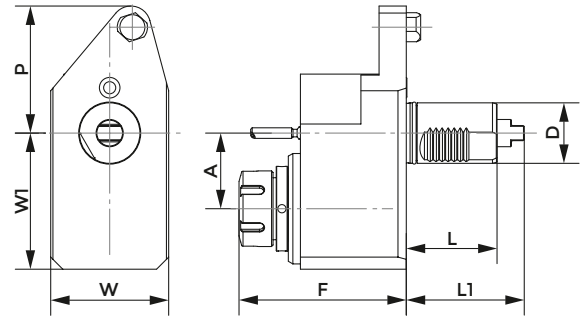
AXIAL - RADIAL DRILLING AND MILLING HEAD



STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54087	30	ER16	NO	SX	86	59	45	55	72	40	32	32	16	6000	1:1	-
116-54115	40	ER25	NO	SX	86	59	65	63	-	40	39	39	16	6000	1:1	-

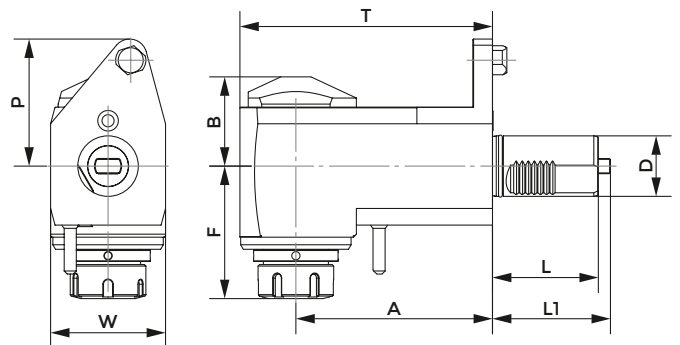
AXIAL DRILLING AND MILLING HEAD



MAZAK

COD.	D	ER	INTERNAL COOLING	F	A	L	L1	P	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54053	40	ER32	NO	110,6	50	60	61	84	78	90	50	6000	1:1	-

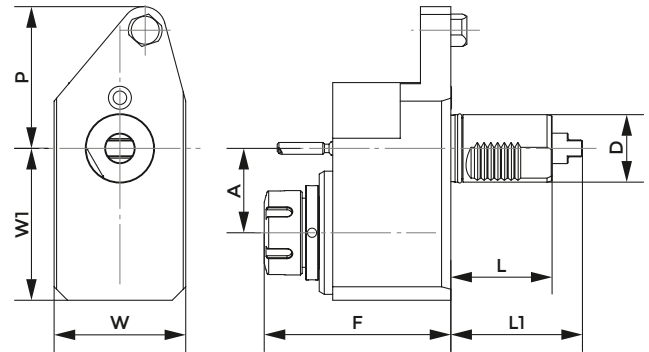
RADIAL DRILLING AND MILLING HEAD



MAZAK

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54049	40	ER32	NO	DX	100	59	87,6	60	61	79	137	76	50	6000	1:1	-

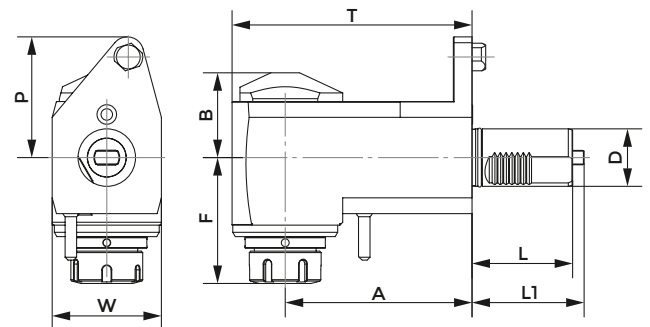
AXIAL DRILLING AND MILLING HEAD



MAZAK

COD.	D	ER	INTERNAL COOLING	F	A	L	L1	P	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54019	40	ER32	NO	110,6	50	60	78	84	78	90	50	6000	1:1	-
116-54044	40	ER32	YES	110,6	50	60	78	84	78	90	50	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



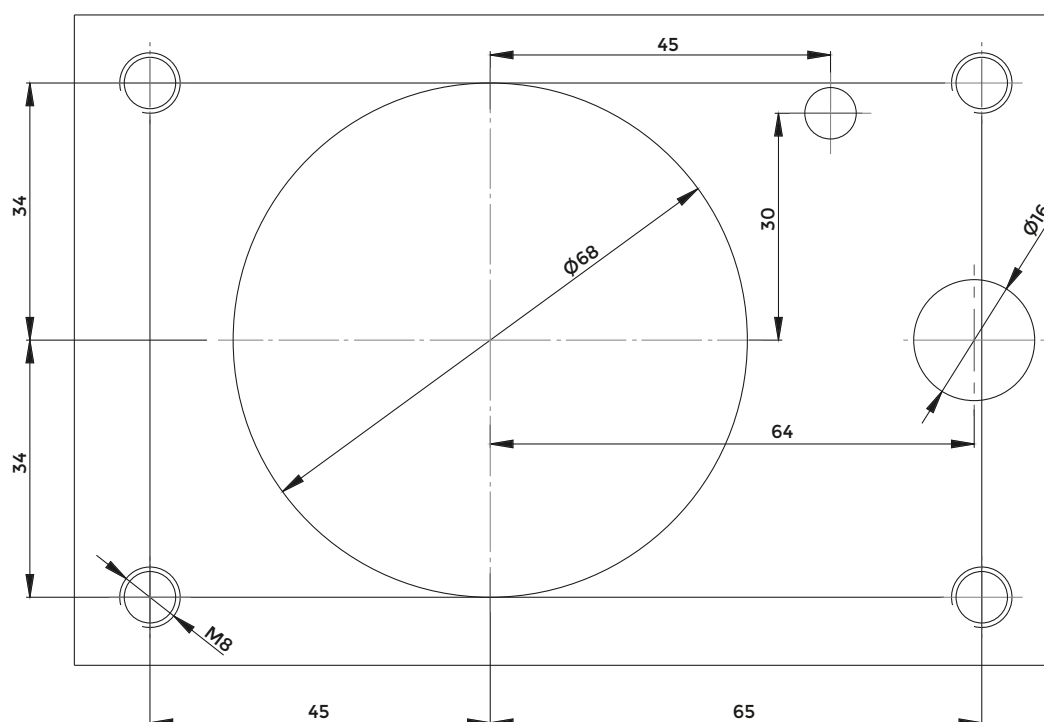
MAZAK

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54020	40	ER32	NO	DX	130	62	87,6	70	78	84	167	76	50	6000	1:1	-
116-54040	40	ER32	NO	SX	130	62	87,6	70	78	84	167	76	50	6000	1:1	-
116-54041	40	ER32	YES	DX	130	62	87,6	70	78	84	167	76	50	6000	1:1	20
116-54093	40	ER32	YES	DX	100	62	87,6	60	61	68	137	76	50	6000	1:1	20
116-54095	40	ER32	YES	SX	100	62	87,6	60	61	68	137	76	50	6000	1:1	-
116-54096	40	ER32	YES	DX	100	62	87,6	60	61	68	137	76	50	6000	1:1	80

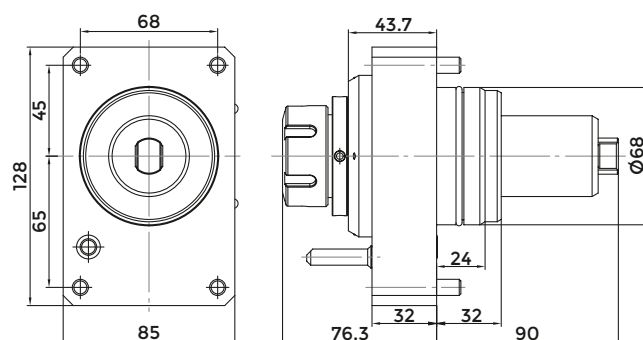
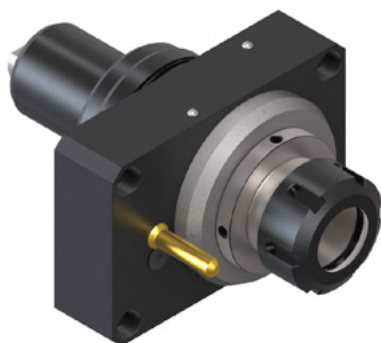
MAZAK BMT68 - QTC/QTU 100-350 M/MY/MS/MSY
 QT/QTS 100-250 M/MY/MS/MSY - QT 200-250 M/MY/MS/MSY (16D)

Index of machines p. 307

CONNECTION TURRET MAZAK BMT68



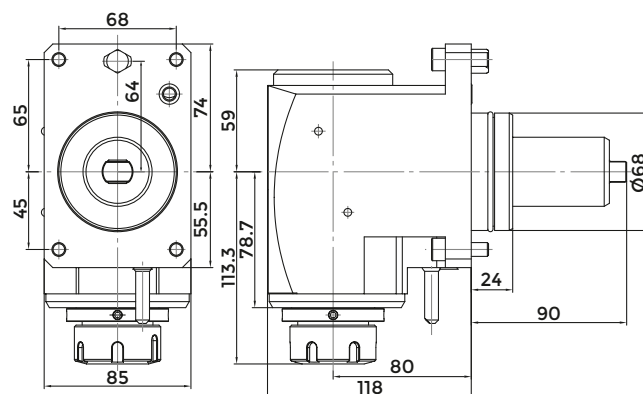
AXIAL DRILLING AND MILLING HEAD



MAZAK BMT68

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06805	ER32	12000	1:1	70	NO	-
124-06806	ER32	12000	1:1	70	YES	20

RADIAL DRILLING AND MILLING HEAD



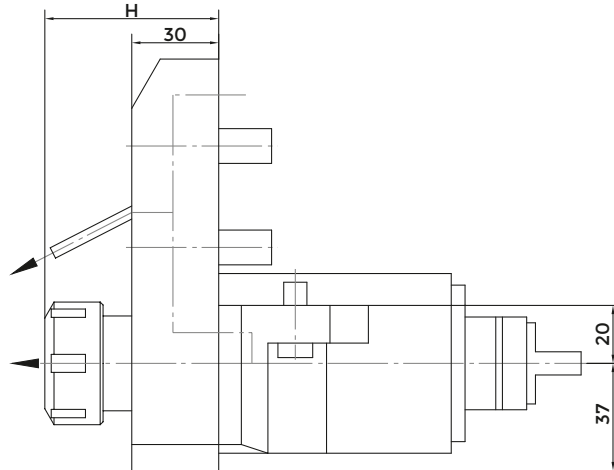
MAZAK BMT68

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06807	ER32	6000	1:1	70	NO	-
124-06808	ER32	6000	1:1	70	YES	20
124-06809	ER32	6000	1:1	70	YES	80

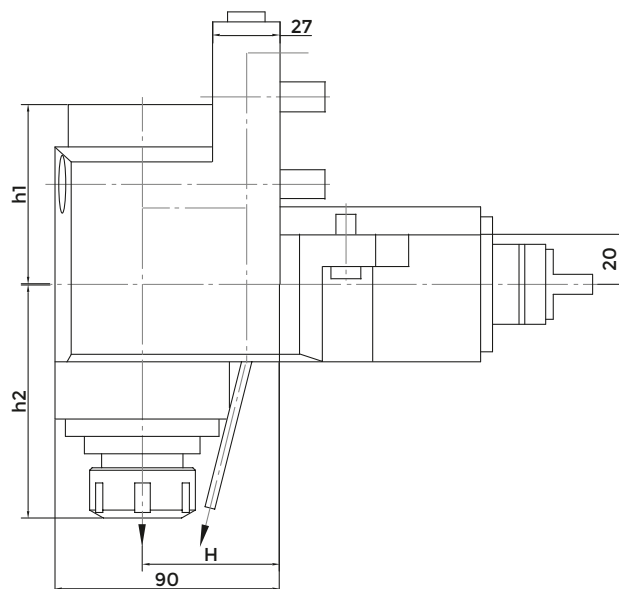
DMG MORI SEIKI / CMZ - CL 200/203 - SL 20/25

SL 203/204/250/253 - SL 254 (MC,SMC)/2500Y - SL 203MC - SL 253MC
 ZL 200MC - ZL 250SMC - SL 204SMC - SL 300MC - TBI 520 - TL 20/25
 TC 15/20/25/30/35 - TA 15M/Y/MS/MY/YS - TA 20M/Y/MS/MY/YS
 TA 25M/Y/MS/MY/YS - TA 30M/Y/MS/MY/YS - TD 15/20/25/30/35/45
 TD 55M/Y/MS/MY/YS

Index of machines p. 307

AXIAL DRILLING AND MILLING HEAD**DMG MORI SEIKI CMZ**

COD.	ER	H	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00001	ER32	55.5-60	6000	1:1	70	NO	-
124-00002	ER32	55.5-60	6000	1:1	70	YES	80

RADIAL DRILLING AND MILLING HEAD**DMG MORI SEIKI CMZ**

COD.	ER	H	h1	h2	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00003	ER32	55	57	89-93.5	6000	1:1	70	NO	-
124-00004	ER32	55	72	89-93.5	6000	1:1	70	YES	80

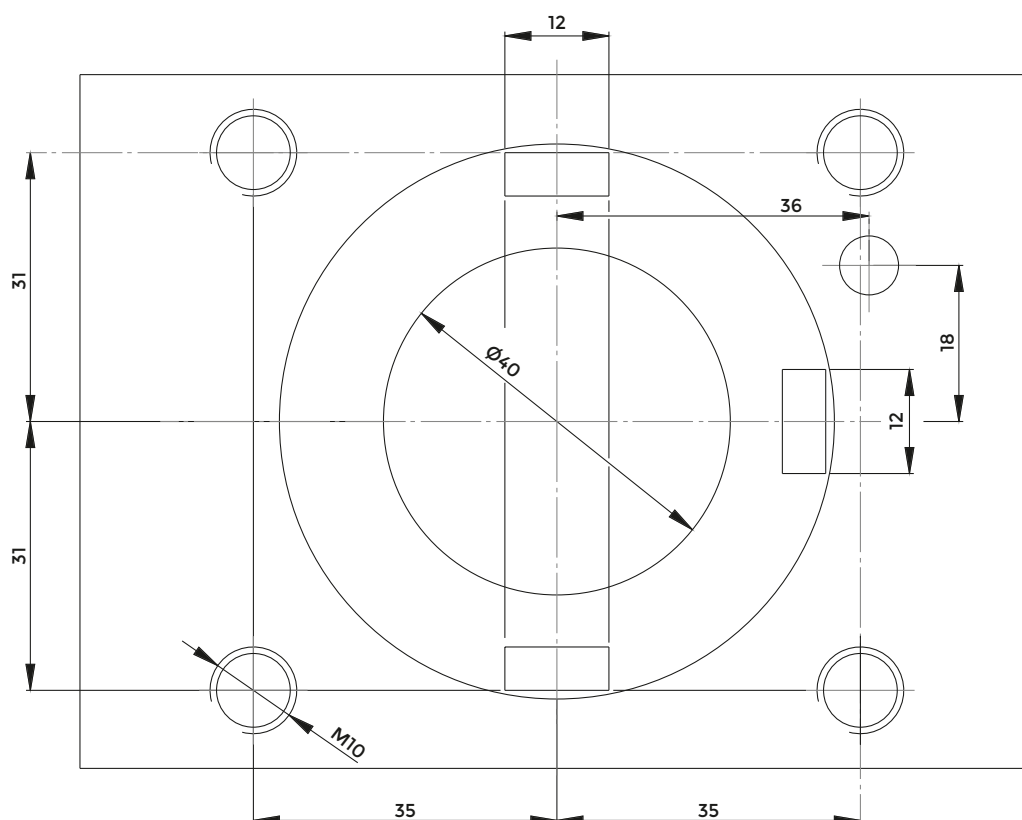
DMG MORI SEIKI BMT40 – NZ 1500/2000/3100

NZ/NTZ 1000/2000/3000/3100/3150/3200

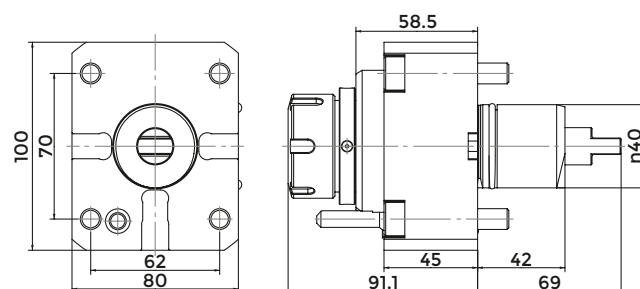
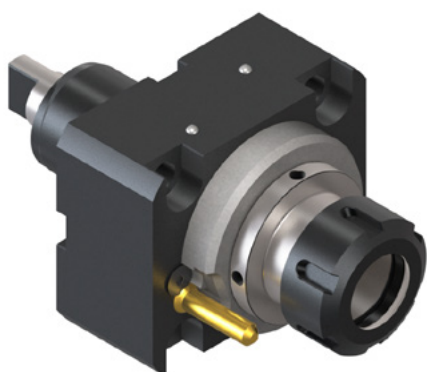
NZ/NZX 2000/2500 (16 station turret) - NL/NLX 1500/2000/2500 (20 station turret)

DURATURN 2050/2550 MC - LTX310ECO-BMT

Index of machines p. 307

CONNECTION TURRET DMG MORI SEIKI BMT40

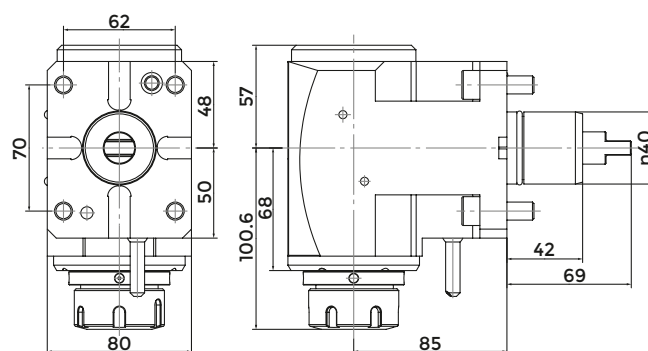
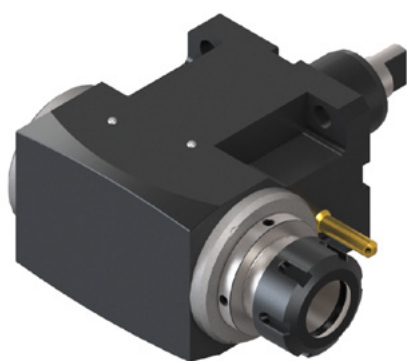
AXIAL DRILLING AND MILLING HEAD



DMG MORI BMT40

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04005	ER32	12000	1:1	50	NO	-
124-04006	ER32	12000	1:1	50	YES	20

RADIAL DRILLING AND MILLING HEAD



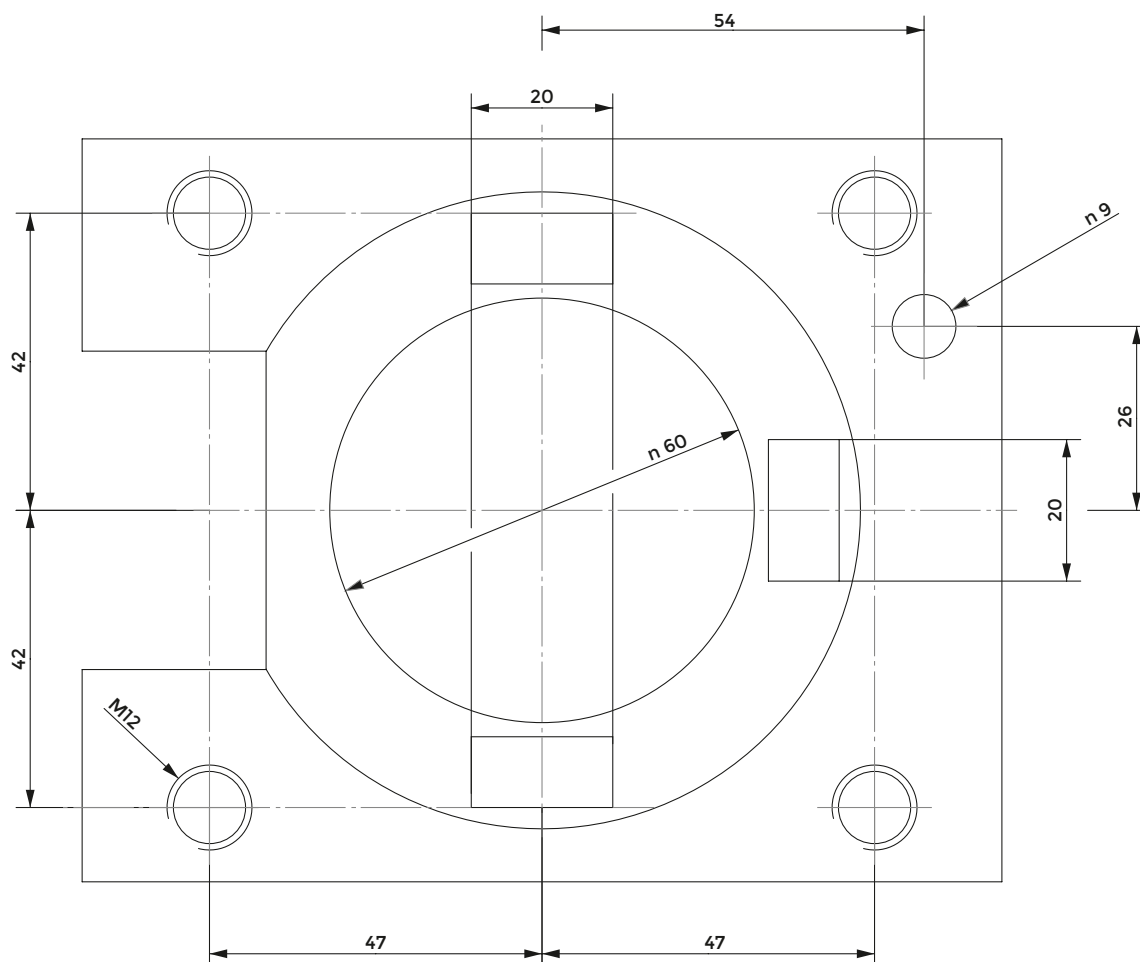
DMG MORI BMT40

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04007	ER32	6000	1:1	50	NO	-
124-04008	ER32	6000	1:1	50	YES	20

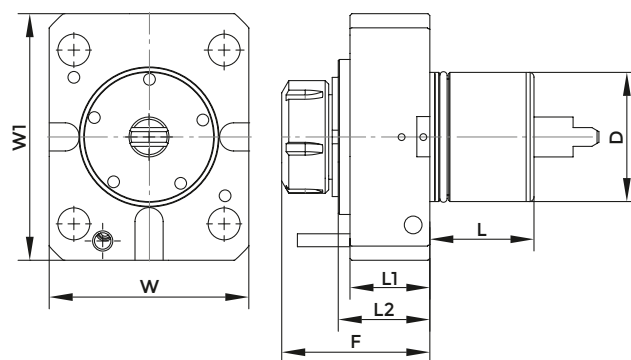
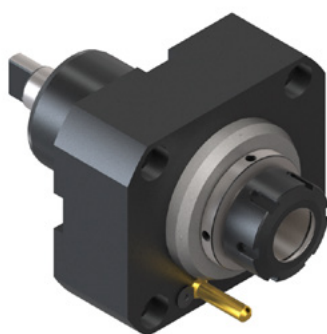
MORI SEIKI SEIKI BMT60 - DURATURN 2050/25550MC (16 stazioni)
 NLX1500 (12 stazioni) - NLX2000 NLX2500 - NLX3000 - NLX4000 - NL2000 (S)MC
 2500 (S)MC - NL3000MC (12 stazioni) - NRX2000MC (10 stazioni) NT3100 - NT3200
 NT3250 - NT4200 - NT4250 - NT4300 - NT5400 - NZL2500 - NT4000 - NT5000
 NZL 2000/2500 - NZX 2500 (station turret) - NTX 1000/2000/2500/3000
 2ND GEN. 10 ST. - (TX2500 BMT60) - TAKISAWA TM-2000 Y2

Index of machines p. 307

CONNECTION TURRET MORI SEIKI BMT60



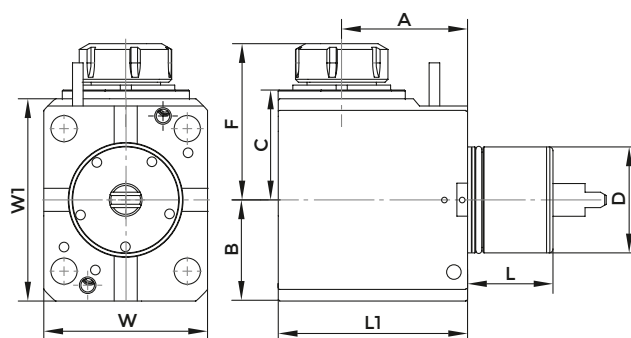
AXIAL DRILLING AND MILLING HEAD



MORI SEIKI BMT60

COD.	ER	D	F	L	L1	L2	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	INTERNAL COOLING	P Bar
124-06001	ER32	60	89	53	48,5	58	108	130	70	6000	1:1	NO	-
124-06003	ER32	60	89	53	48,5	58	108	130	70	6000	1:1	YES	20

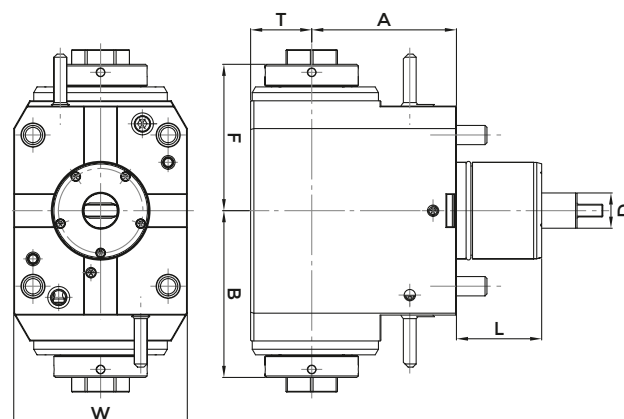
RADIAL DRILLING AND MILLING HEAD



MORI SEIKI BMT60

COD.	ER	D	F	L	L1	A	B	C	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	INTERNAL COOLING	P Bar
124-06002	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	NO	-
124-06004	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	YES	20

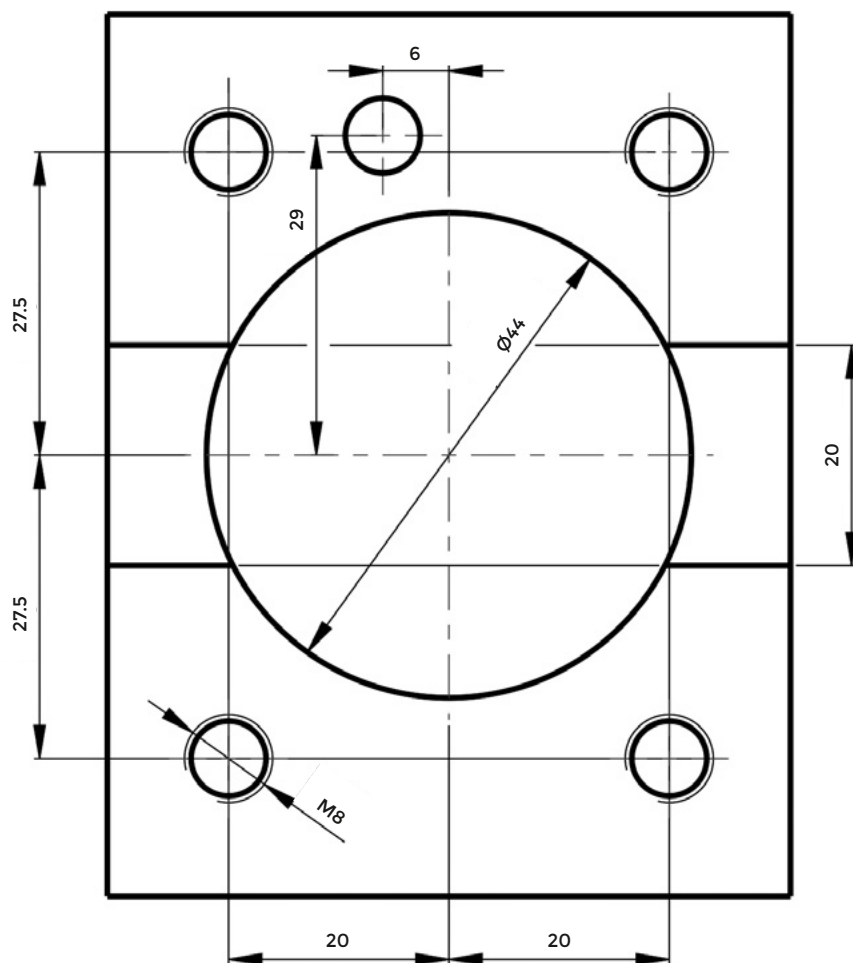
DOUBLE RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



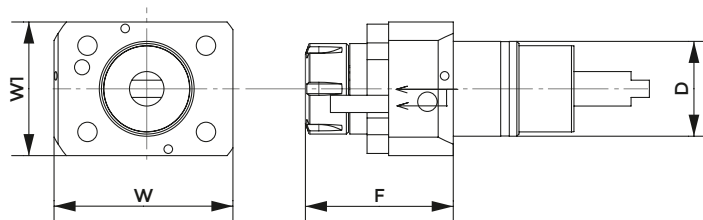
DOUBLE MORI SEIKI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06603	60	32	NO	DX/SX	90	103.8	91	38	108	53	70	6000	1:1	-

CONNECTION TURRET NAKAMURA - TOME - BMT44



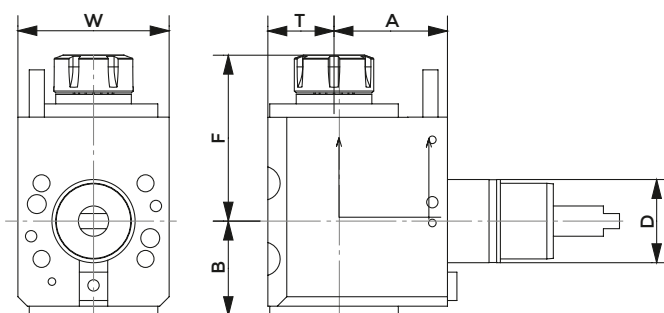
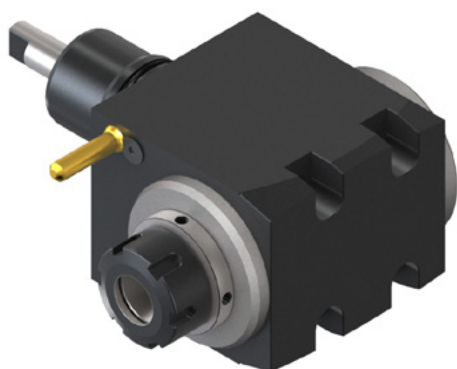
AXIAL DRILLING AND MILLING HEAD



NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	F	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-04402	44	ER25	YES	68.6	83	62	40	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



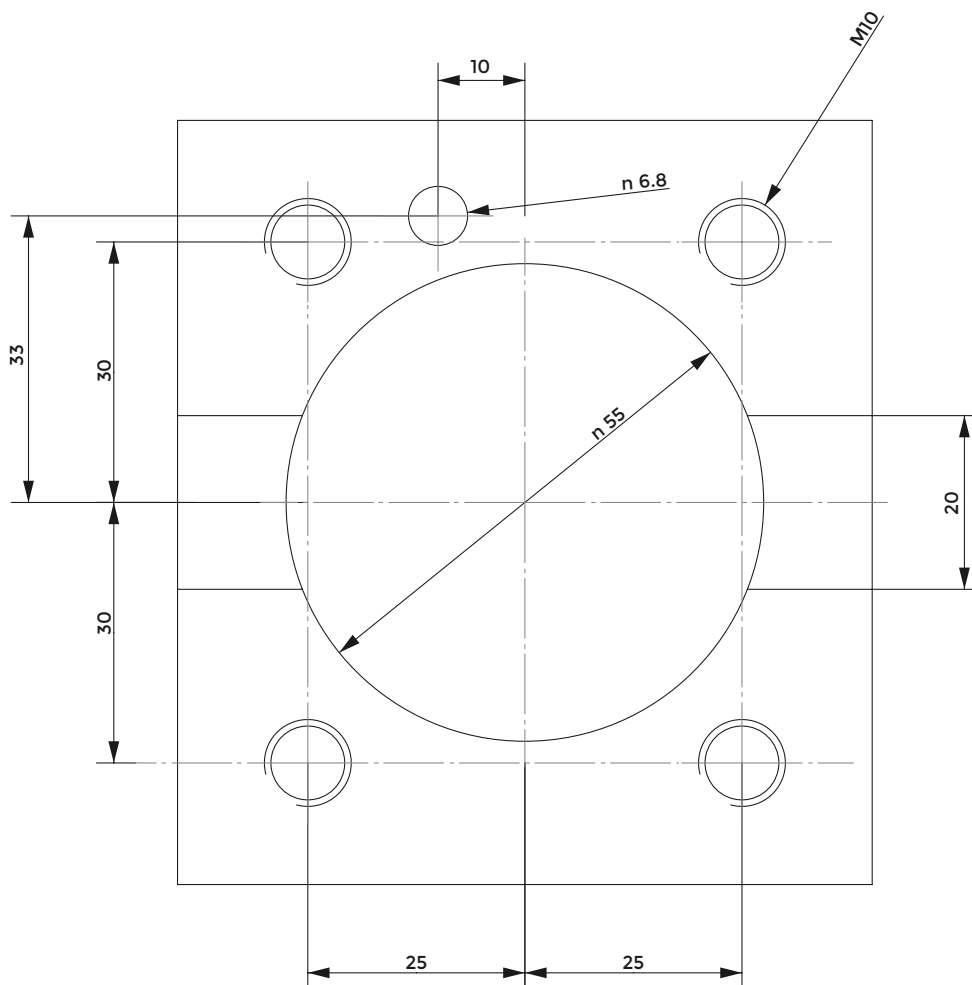
NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-04403	44	ER25	NO	DX/SX	60	50,3	87,8	35	80	28	6000	1:1	-
124-04404	44	ER25	YES	DX/SX	60	50,3	87,8	35	80	28	6000	1:1	20
124-04405	44	ER25	NO	DX/SX	75	50	89	35	78	28	6000	1:1	-
124-04406	44	ER25	YES	DX/SX	75	50	89	35	78	28	6000	1:1	80

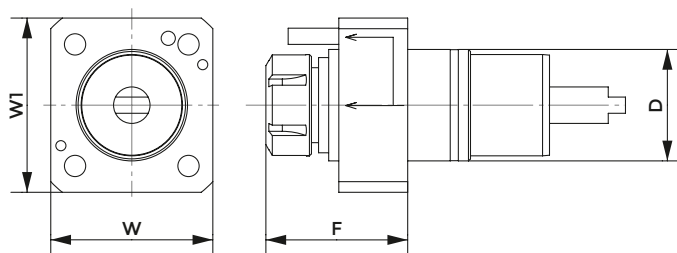
NAKAMURA - TOME - BMT55 - AS-200 /NTM 3 / NTY3-250
 SC-150M - SC-200MY - SC-250M - SuperNTJ - TMC-20 II M/ML - TW-10
 TW-20 - WT-20 II M/MY - WT150/200 - WT-250 - WTS-150 - WTW-150/160
 WT200 II (M,MY) - WY-250 - CMZ - TX52/66 - SUPER NTJ/NTM3 - SC150/250
 TX52 Y3-Y2 QUATTRO-Y2 TW IN - TX66 Y3-Y2 QUATTRO-Y2 TW IN TTL52
 TTL66 - TA15-20-25-30M/Y/MS/MY/YS 15ST

Index of machines p. 307

CONNECTION TURRET NAKAMURA - TOME - BMT55



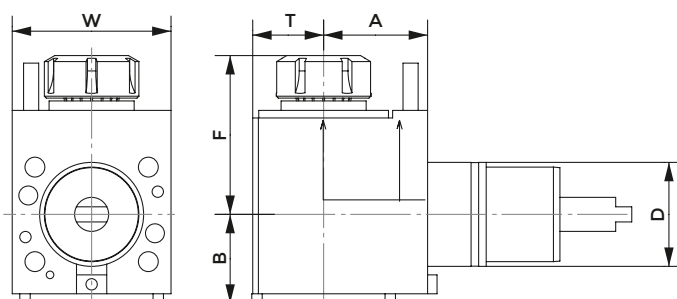
AXIAL DRILLING AND MILLING HEAD



NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	F	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-05507	55	ER25	NO	78	80	86	50	6000	1:1	-
124-05508	55	ER25	YES	78	80	86	50	6000	1:1	20
124-05529	55	ER32	NO	78	80	86	50	6000	1:1	-

RADIAL DRILLING AND MILLING HEAD



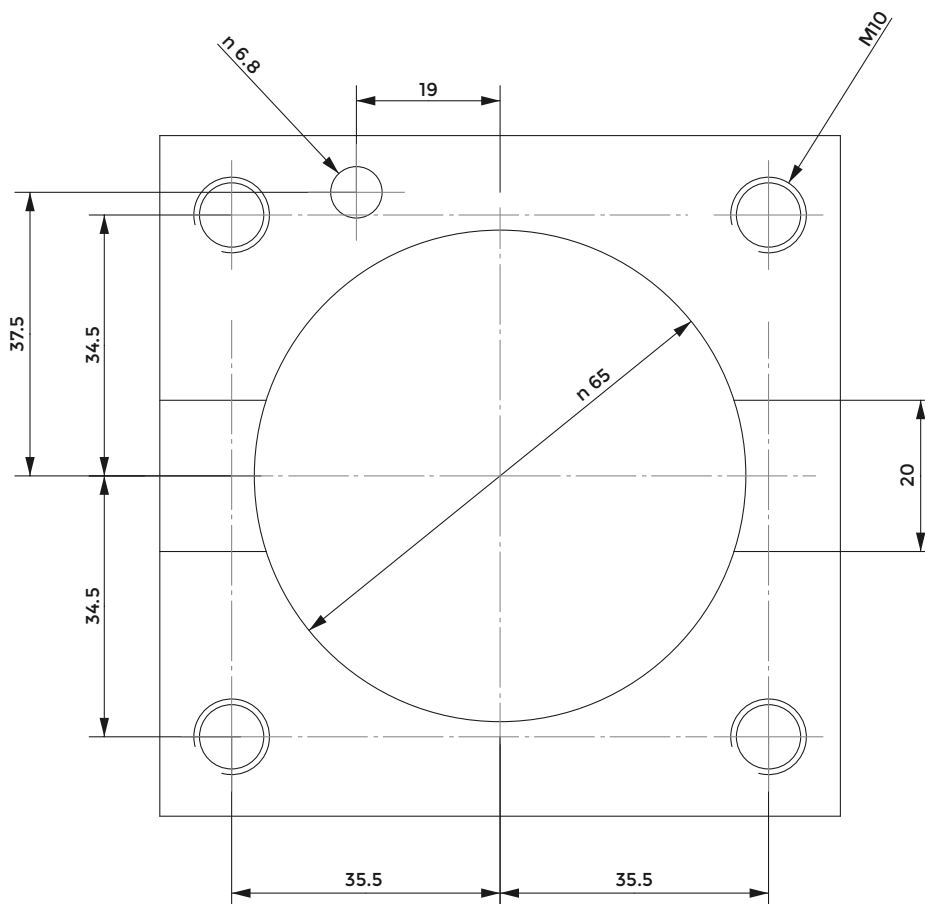
NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-05509	55	ER25	NO	DX/SX	55	50,3	74,8	35	84	28	6000	1:1	-
124-05510	55	ER25	YES	DX/SX	55	50,3	74,8	35	84	28	6000	1:1	20
124-05517	55	ER25	YES	DX/SX	55	50,3	74,8	35	84	28	6000	1:1	80

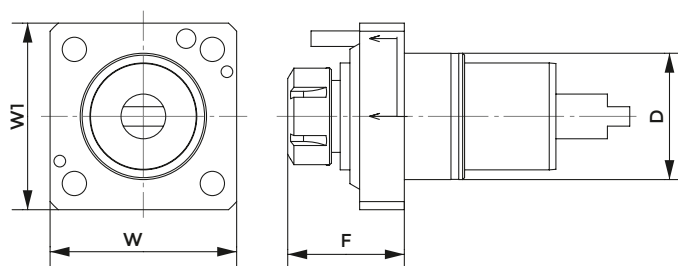
NAKAMURA - TOME - BMT65 - WT300 - SC300 - TW20
TMC-200M - TMC-300M - SUPER NTX - TW20M/MY/MM/MMY/MMYY (12 stations)
TW30M/MY/MM/MMY/MMYY (16 stations)

Index of machines p. 307

CONNECTION TURRET NAKAMURA - TOME - BMT65



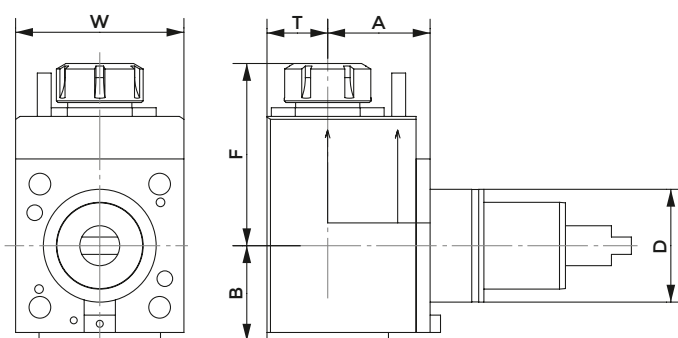
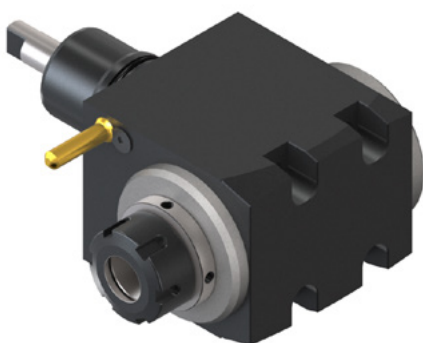
AXIAL DRILLING AND MILLING HEAD



NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	F	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06504	65	ER32	NO	75	96	96	70	6000	1:1	-
124-06505	65	ER32	YES	75	96	96	70	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

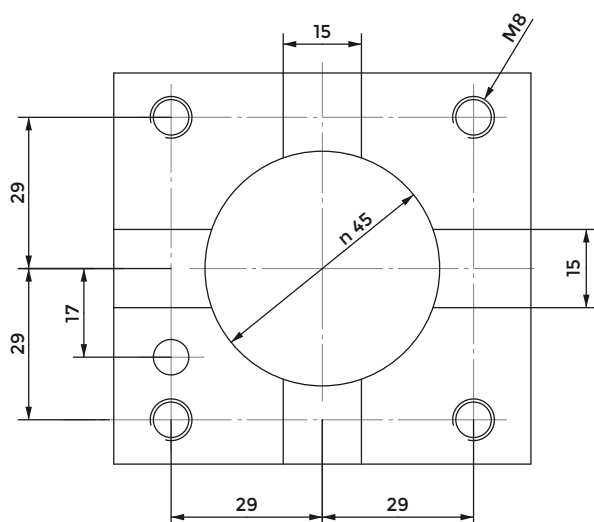


NAKAMURA - TOME

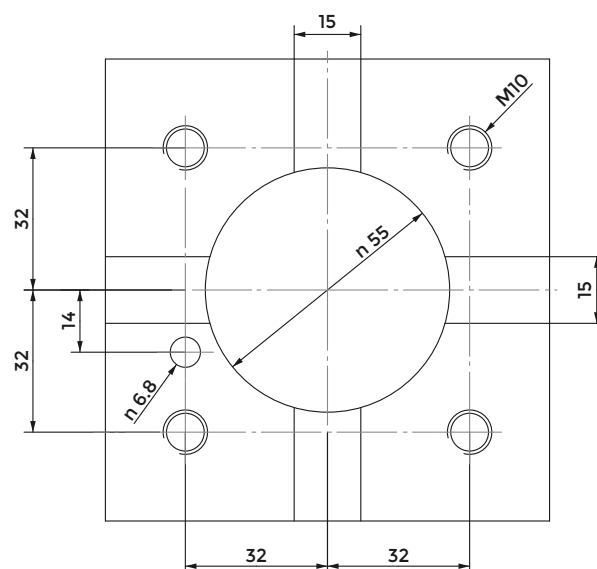
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06506	65	ER32	NO	DX/SX	65	59	110	38	96	70	6000	1:1	-
124-06507	65	ER32	YES	DX/SX	65	59	110	38	96	70	6000	1:1	20

BMT45

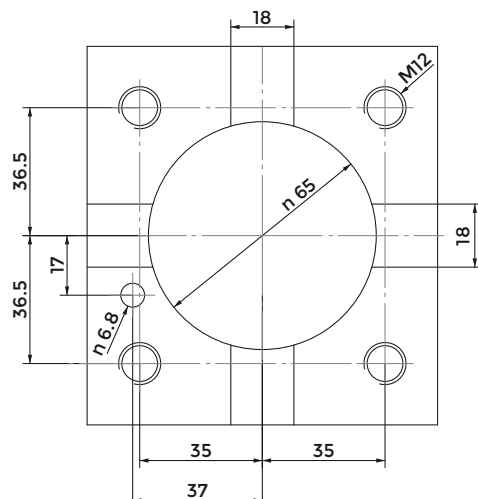
DOOSAN - LYNX 2100MA/220 (LMSA,LMSC)
 220 (LSYA,LSYC) - 220 (M,LM)
 LYNX 220 (MA,LMA,MC,LMC) - 220 (YA,YC,LYA,LYC)
 220 (YA,YC,LYA,LYC) - PUMA MX1600 (T,ST)
HARDINGE - BMT45
SMEC - PL1600 (M,CM)

CONNECTION TURRET BMT45**BMT55**

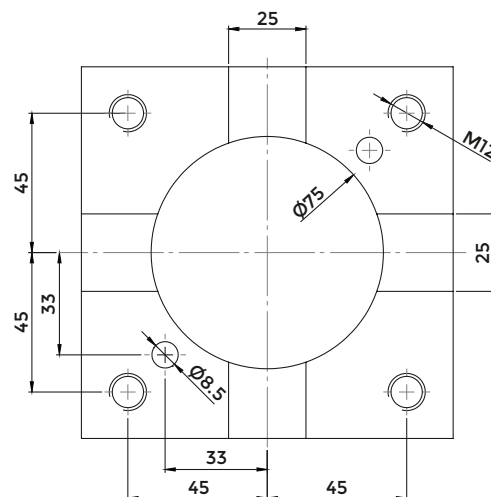
DOOSAN - LYNX 300 (M) - PUMA 1500/2000/2500
 (M,S,Y) - PUMA 2100 (Y,LY,SY,LSY) - PUMA
 2100/2600/3100 M/Y/MS/SY PUMA 230/240/280
 (M,LM,S) - PUMA GT2100M - PUMA MX2100 (ST/LST)
 PUMA TL2000/2500 (M,LM)
HARDINGE - BMT55
HWACHEON - CUTEX-160
SMEC/SAMSUNG - SL 20MC
HYUNDAI WIA - SKT-180TTSY
VICTOR - VTURN-A16/A20 (YSCM)

CONNECTION TURRET BMT55**BMT65**

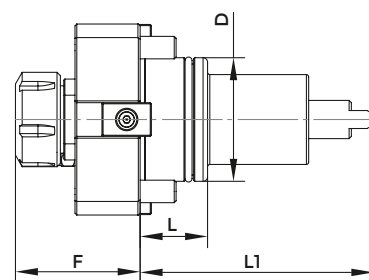
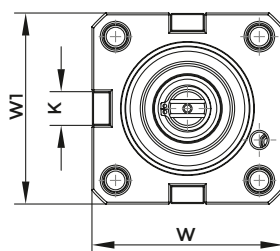
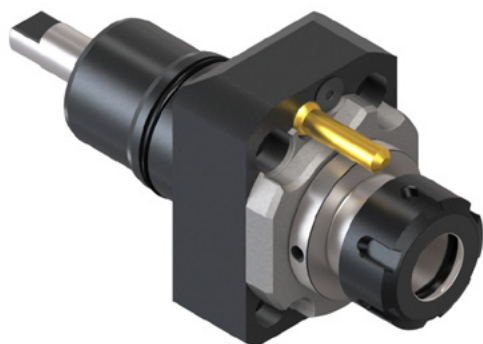
DOOSAN - PUMA 2100/2600 (M,LM,MS,LMS) -
 PUMA 2100/2600 (Y,LY,SY,LSY) - PUMA 300
 (M,MS,MB,MC) - PUMA 3100 (M,LM,LY,XLM,
 XLY,ULM,ULY) - PUMA MX2000/2500 - PUMA MX2600
 (T,ST) - PUMA TT2500 (MS/SY) - PUMA V400 (M) -
 PUMA VT450 (M,SP)
HWACHEON - CUTEX-240 - HI-TECH200/T2-Series
 HI-TECH300/400 - VT-450
HYUNDAI WIA - L2100SY - SKT-200/250TTSY
 SKT-250/300 (L,M) - SKT-250/300 (MS)
MAXSIN - BMT65
SMEC/SAMSUNG - SL25 - SL35
TONGTAI - TMT2000
VICTOR - VTURN-A26 (YSCM)

CONNECTION TURRET BMT65**BMT75**

DOOSAN - PUMA 400/480 (M,LM,XLM) - 500 (M) -
 V550 (M) - VT750 (TM, 2SP)
SAMSUNG - PL 45LM - HYUNDAI WIA - LV800RM -
 SKT400M/MA/MC/LMC
HYUNDAI WIA - LV800RM - SKT400M/MA/MC/LMC
HWACHEON - HI-TECH 550/700/7026 - VT-550

CONNECTION TURRET BMT75

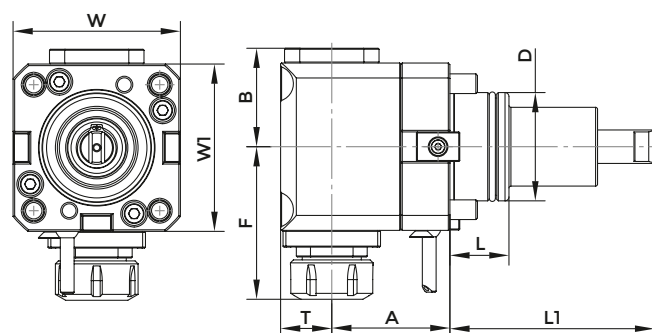
AXIAL DRILLING AND MILLING HEAD



BMT

COD.	BMT	ER	D	F	K	L	L1	W	W1	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04501	45	ER25	45	67,6	15	40	84	78,5	75	6000	1:1	50	NO	-
124-04502	45	ER25	45	67,6	15	40	84	78,5	75	6000	1:1	50	YES	20
124-05501	55	ER25	55	71	15	30	104	85	85	6000	1:1	50	NO	-
124-06509	55	ER25	55	71	15	30	104	85	85	6000	1:1	50	YES	20
124-06518	55	ER32	55	71	15	30	104	85	85	6000	1:1	50	YES	20
124-05525	55	ER32	55	73	15	30	104	87	85	6000	1:1	50	NO	-
124-06501	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	NO	-
124-06508	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	YES	20
124-07506	75	ER32	75	67	25	43	110	112	112	6000	1:1	80	NO	-
124-07507	75	ER40	75	67	25	43	110	112	112	6000	1:1	80	NO	-

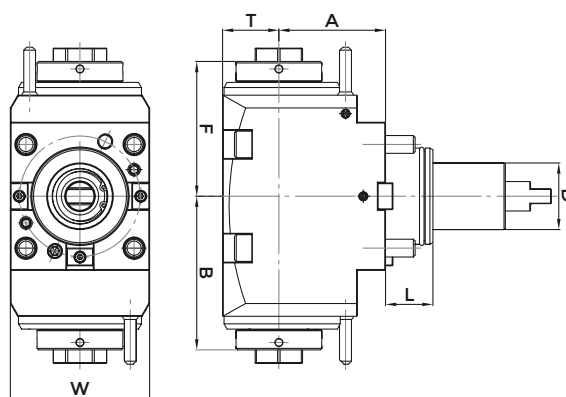
RADIAL DRILLING AND MILLING HEAD



BMT

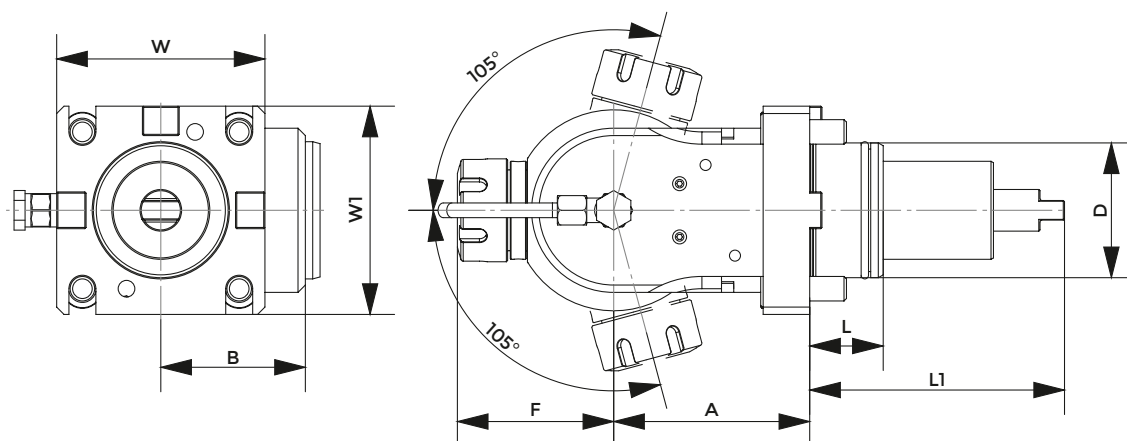
COD.	BMT	ER	D	A	B	F	L	L1	T	W	W1	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04503	45	ER25	45	65	57	97,6	40	84	36,5	75	83	6000	1:1	50	NO	-
124-04504	45	ER25	45	65	57	97,6	40	84	36,5	75	83	6000	1:1	50	YES	20
124-04505	45	ER25	45	90	57	97,6	40	84	36,5	75	83	6000	1:1	50	NO	-
124-05502	55	ER25	55	70	57	98	30	104	36,5	85	98	6000	1:1	50	NO	-
124-06510	55	ER25	55	70	57	98	30	104	36,5	85	98	6000	1:1	50	YES	20
124-05511	55	ER25	55	85	57	98	30	104	36,5	85	98	6000	1:1	50	NO	-
124-05512	55	ER25	55	85	57	98	30	104	36,5	85	98	6000	1:1	50	YES	20
124-06520	55	ER25	55	85	57	98	30	104	36,5	85	98	6000	1:1	50	YES	80
124-05513	55	ER32	55	85	57	101	30	104	36,5	85	98	6000	1:1	50	NO	-
124-05514	55	ER32	55	85	57	101	30	104	36,5	85	98	6000	1:1	50	YES	20
124-05526	55	ER32	55	70	57	101	30	104	36,5	85	108	6000	1:1	50	NO	-
124-05527	55	ER32	55	70	57	101	30	104	36,5	85	108	6000	1:1	50	YES	20
124-05528	55	ER32	55	85	68	101	30	104	36,5	85	108	6000	1:1	50	YES	80
124-06502	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	NO	-
124-06512	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	YES	20
124-06521	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	YES	80
124-06513	65	ER32	65	100	59	111	32	112	38	94	100	6000	1:1	70	NO	-
124-06514	65	ER32	65	100	59	111	32	112	38	94	100	6000	1:1	70	YES	20
124-07508	75	ER32	75	90	76	106	43	110	44	112	110	6000	1:1	80	NO	-
124-07509	75	ER32	75	90	76	106	43	110	44	112	110	6000	1:1	80	YES	20
124-07510	75	ER32	75	110	76	106	43	110	44	112	110	6000	1:1	80	NO	-
124-07511	75	ER32	75	110	76	106	43	110	44	112	110	6000	1:1	80	YES	20
124-07512	75	ER40	75	90	76	112	43	110	44	112	110	6000	1:1	80	NO	-
124-07513	75	ER40	75	90	76	112	43	110	44	112	110	6000	1:1	80	YES	20
124-07514	75	ER40	75	110	76	112	43	110	44	112	110	6000	1:1	80	NO	-
124-07515	75	ER40	75	110	76	112	43	110	44	112	110	6000	1:1	80	YES	20

DOUBLE RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT

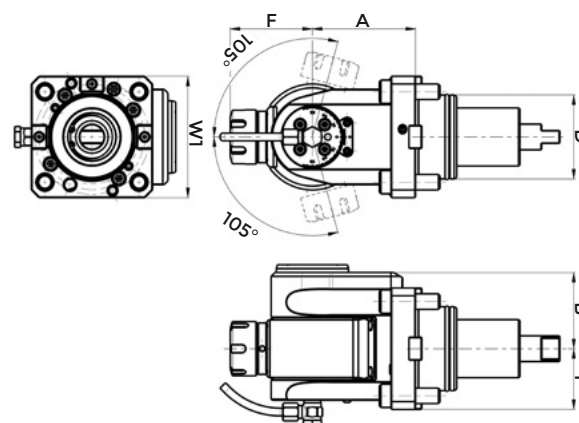


DOUBLE BMT

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06605	65	32	NO	DX/SX	72	104	91	38	94	32	70	6000	1:1	-
124-06606	65	32	YES	DX/SX	72	104	91	38	94	32	70	6000	1:1	20



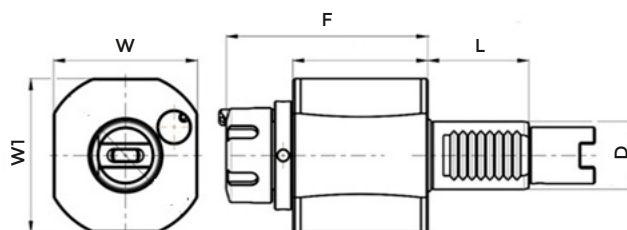
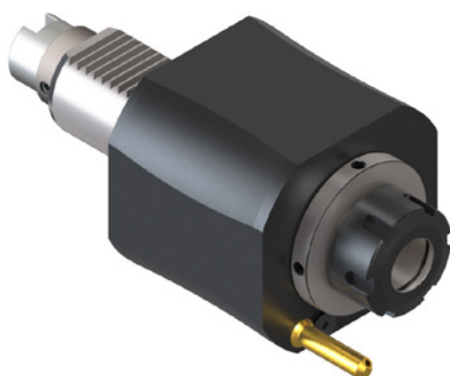
AXIAL - RADIAL DRILLING AND MILLING HEAD



BMT

COD.	BMT	ER	D	A	B	T	F	L	L1	W	W1	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04506	45	ER25	45	80	59	40	65	40	84	80	80	6000	1:1	16	NO	-
124-04507	45	ER25	45	80	59	40	65	40	84	80	80	6000	1:1	16	YES	20
124-05515	55	ER25	55	80	59	42,5	63,8	30	104	85	85	6000	1:1	16	NO	-
124-05516	55	ER25	55	80	59	42,5	63,8	30	104	85	85	6000	1:1	16	YES	20

AXIAL DRILLING AND MILLING HEAD INDEX/TRAUB



INDEX /TRAUB

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54061	30	ER25	NO	90	45	64	68	28	6000	1:1	-
116-54062	30	ER25	YES	90	45	64	68	28	6000	1:1	20
116-54063	40	ER32	NO	106	53	80	86	50	6000	1:1	-
116-54064	40	ER32	YES	106	53	80	86	50	6000	1:1	20