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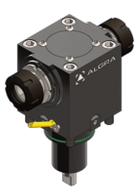
ALGRA

Toolholder Program

BMT55

BMT55	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499		8000rpm	i=1:1	RAPPS 25 121UT55	RAPPS 25 131UT55	4
		ER16 - DIN6499		32000rpm	i=1:4	RAPPS 16 122UT55		5
		ER16 - DIN6499		16000rpm	i=1:2	RAPPD 16 1222UT55		5
	90°	ER25 - DIN6499	60mm	8000rpm	i=1:1	RRPPS 25 121UT55	RRPPS 25 131UT55	6
		ER25 - DIN6499	70mm	8000rpm	i=1:1	RRPPS 25 321UT55	RRPPS 25 331UT55	6
		ER25 - DIN6499	85mm	8000rpm	i=1:1	RRPPS 25 421UT55	RRPPS 25 431UT55	6
		ER25 - DIN6499	100mm	8000rpm	i=1:1	RRPPS 25 521UT55	RRPPS 25 531UT55	6
		ER16 - DIN6499	70mm	32000rpm	i=1:4	RRPPS 16 122UT55		7
		ER16 - DIN6499	80mm	16000rpm	i=1:2	RRPPS 16 4222UT55		7
		Ø16mm - DIN6358	60mm	8000rpm	i=1:1	RRPFS 16 121UT55		7
		Ø16mm - DIN6358	70mm	8000rpm	i=1:1	RRPFS 16 321UT55		7
		Ø16mm - DIN6358	85mm	8000rpm	i=1:1	RRPFS 16 421UT55		7
		Ø16mm - DIN6358	100mm	8000rpm	i=1:1	RRPFS 16 521UT55		7
	90° Double	ER25 - DIN6499	60mm	8000rpm	i=1:1	RRPPT 25 121UT55		8
		ER25 - DIN6499	70mm	8000rpm	i=1:1	RRPPT 25 321UT55		8
		ER25 - DIN6499	85mm	8000rpm	i=1:1	RRPPT 25 421UT55		8
		ER25 - DIN6499	100mm	8000rpm	i=1:1	RRPPT 25 521UT55		8
	±90°	ER20 - DIN6499		8000rpm	i=1:1	ROPPS 20 121UT55	ROPPS 20 131UT55	9

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BMT55	Version	Tools Clamping	Center Height	Coolant	ALGRA Part No.	Page
	O.D. cutting holder	☐ 25mm	H:65mm	External	E10/U 25 T55X65	10
		☐ 1”	H:65mm	External	E10/U 1” T55X65	10
	O.D. double holder	☐ 25mm	H:85mm	External	E10/UD 25 T55X85	10
		☐ 1”	H:85mm	External	E10/UD 1” T55X85	10
	Face and I.D. cutting holder	☐ 20mm	H:84mm	External	E10/UAD20 T55X84	11
		☐ 0.75”	H:84mm	External	E10/UAD0.75” T55X84	11
	Blade Holder	▮ 26mm	H:100mm	External	E10/TT 26 T55X100	11
	Index cutting holder	☐ 25mm	H:102mm	External	E12/IDS25 T55X102	12
		☐ 1”	H:102mm	External	E12/IDS1” T55X102	12
	Boring Bar holder	Ø 40mm	H60mm	Int/Ext	E10/B 40 T55X60	12
		Ø 40mm	H:70mm	Int/Ext	E10/B 40 T55X70	12
		Ø 1.5”	H:70mm	Int/Ext	E10/B 1.5” T55X70	12
		Ø 40mm	H:95mm	Int/Ext	E10/B 40 T55X95	12
		Ø 1.5”	H:95mm	Int/Ext	E10/B 1.5” T55X95	12
	Boring Bar holder	Ø 20mm	H:95mm	Int/Ext	E10/BN 20 T55X95	13
		Ø 25mm	H:95mm	Int/Ext	E10/BN 25 T55X95	13
		Ø 32mm	H:95mm	Int/Ext	E10/BN 32 T55X95	13
		Ø 0.75”	H:95mm	Int/Ext	E10/BN 0.75” T55X95	13
		Ø 1”	H:95mm	Int/Ext	E10/BN 1” T55X95	13
		Ø 1.25”	H:95mm	Int/Ext	E10/BN 1.25” T55X95	13
	Boring Bar holder	Ø 25mm	H:65mm/110mm	Int/Ext	E10/BD 25 T55X65/110	13
		Ø 1”	H:65mm/110mm	Int/Ext	E10/BD 1” T55X65/110	13
	Index Boring Bar holder	Ø 32mm/25mm	H:70mm	Int/Ext	E12/IBD32/25 T55X70	14
		Ø 1.5”/1”	H:70mm	Int/Ext	E12/IBD1.5”/1” T55X70	14
	Boring Bar holder	Ø 20mm	H:65mm/90mm/115mm	Int/Ext	E10/BQ 20 T55X65/115	14
		Ø 0.75”	H:65mm/90mm/115mm	Int/Ext	E10/BQ 0.75” T55X65/115	14

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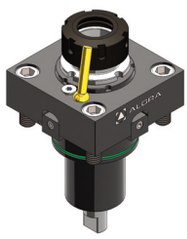
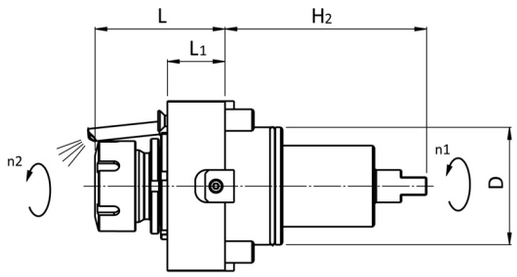
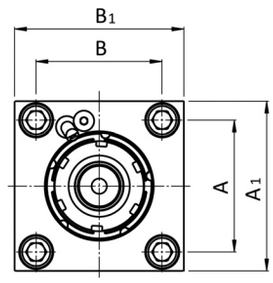


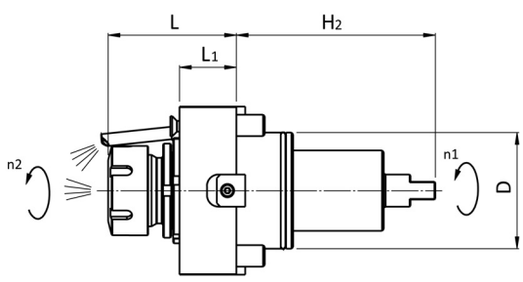


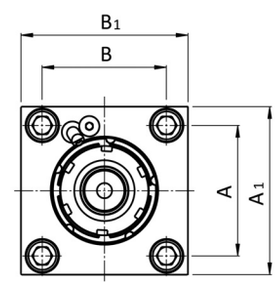


1/BMT55

0° | DIN 6499 | +1 (1:1) | EXTERNAL

Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
RAPPS 25 121UT55	**55**	**25**			104	53,5÷57,2	25		64	64	85	85			40	8000	

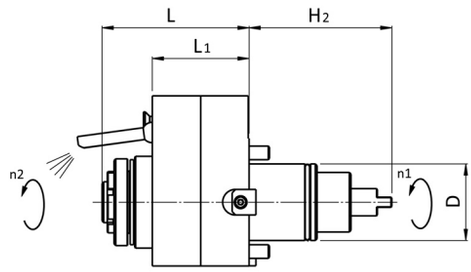


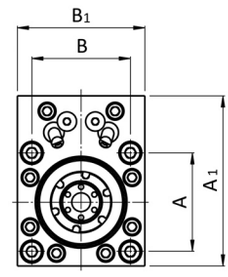


2/BMT55

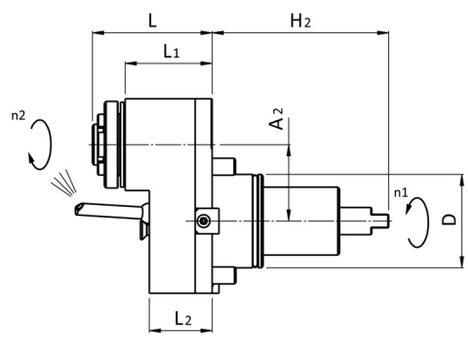
0° | DIN 6499 | +1 (1:1) | INT./EXT. | 80 bar | Filtration 30µm

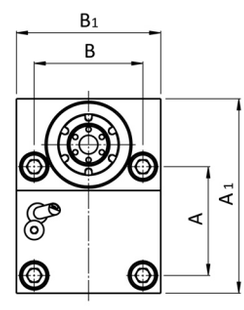
Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
RAPPS 25 131UT55	**55**	**25**			104	53,5÷57,2	25		64	64	85	85			40	8000	8



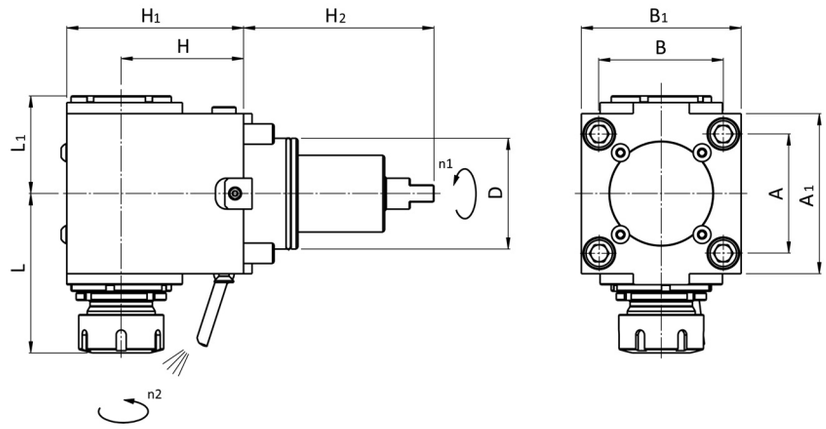


3/BMT55	Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
0° DIN 6499 +4 (1:4) EXTERNAL	**RAPPS 16 122UT55**	**55**	**16**			104	82,5÷86,5	57		64	64	100	75			12	32000	3





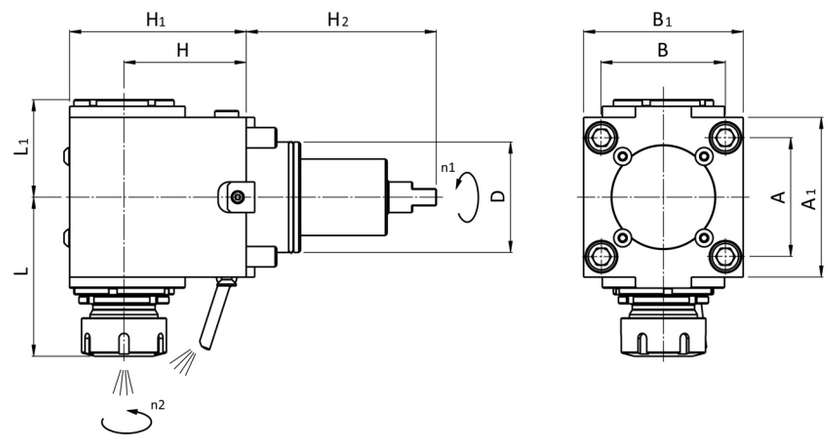
4/BMT55	Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
0° DIN 6499 -2 (1:2) EXTERNAL	**RAPPD 16 1222UT55**	**55**	**16**			104	66,8÷70,5	51,3	37	64	64	114,5	85	45		15	16000	4



5/BMT55

90° | DIN 6499 | -1 (1:1) | EXTERNAL

Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
RRPPS 25 121UT55	**55**	**25**	60	90	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8
RRPPS 25 321UT55	**55**	**25**	70	100	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8
RRPPS 25 421UT55	**55**	**25**	85	115	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8
RRPPS 25 521UT55	**55**	**25**	100	130	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8



6/BMT55

90° | DIN 6499 | -1 (1:1) | INT./EXT. | 80 bar | Filtration 30µm

Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
RRPPS 25 131UT55	**55**	**25**	60	90	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8
RRPPS 25 331UT55	**55**	**25**	70	100	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8
RRPPS 25 431UT55	**55**	**25**	85	115	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8
RRPPS 25 531UT55	**55**	**25**	100	130	104	81,2÷84,9	52,2		64	64	85	85			40	8000	8

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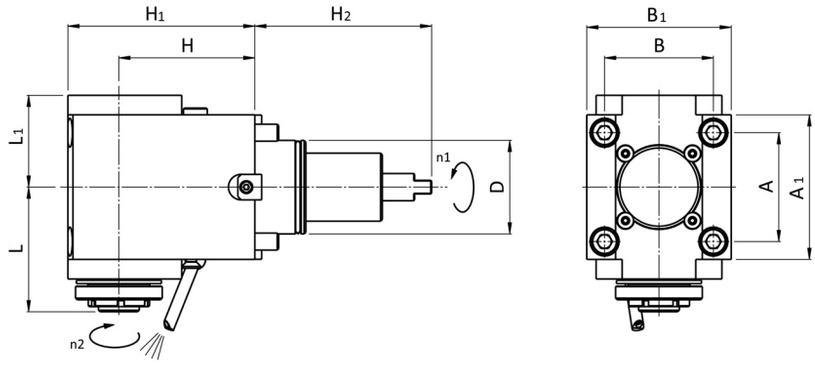
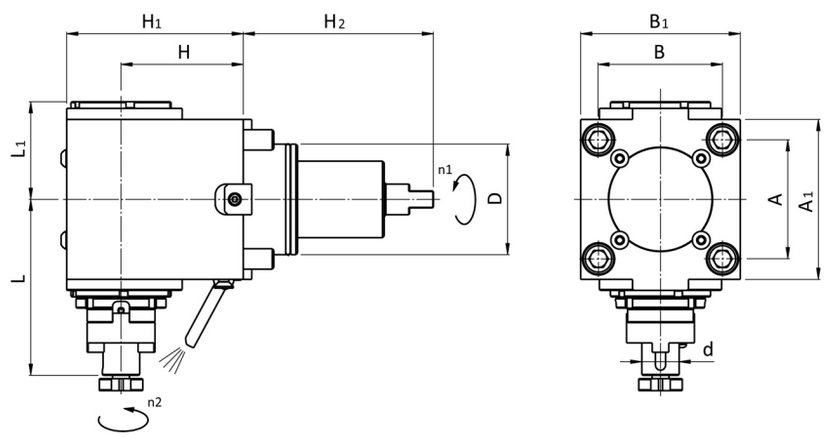


7/BMT55	Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
90° DIN 6499 +4 (1:4) EXTERNAL	**RRPPS 16 122UT55**	**55**	**16**	70	100	104	66÷69,7	52,5		64	64	85	85			12	32000	3

7/BMT55	Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
90° DIN 6499 +2 (1:2) EXTERNAL	**RRPPS 16 4222UT55**	**55**	**16**	80	110	104	69,6÷73,3	54		64	64	85	85			15	16000	4



8/BMT55	Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 1	P kW
90° DIN 6358 -1 (1:1) EXTERNAL	**RRPFS 16 121UT55**	**55**	**Ø16**	60	90	104	95	52,2		64	64	85	85			40	8000	8
	RRPFS 16 321UT55	**55**	**Ø16**	70	100	104	95	52,2		64	64	85	85			40	8000	8
	RRPFS 16 421UT55	**55**	**Ø16**	85	115	104	95	52,2		64	64	85	85			40	8000	8
	RRPFS 16 521UT55	**55**	**Ø16**	100	130	104	95	52,2		64	64	85	85			40	8000	8

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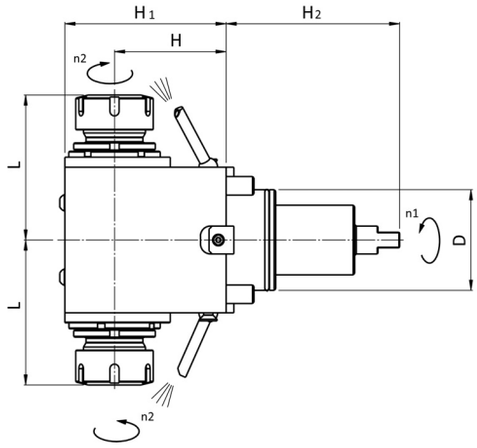

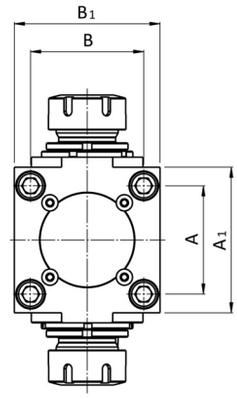

9/BMT55

90°

DIN 6499

±1 (1:1)

EXTERNAL

Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
RRPPT 25 121UT55	**55**	**25**	60	90	104	81,2÷84,9			64	64	85	85			40	8000	8
RRPPT 25 321UT55	**55**	**25**	70	100	104	81,2÷84,9			64	64	85	85			40	8000	8
RRPPT 25 421UT55	**55**	**25**	85	115	104	81,2÷84,9			64	64	85	85			40	8000	8
RRPPT 25 521UT55	**55**	**25**	100	130	104	81,2÷84,9			64	64	85	85			40	8000	8

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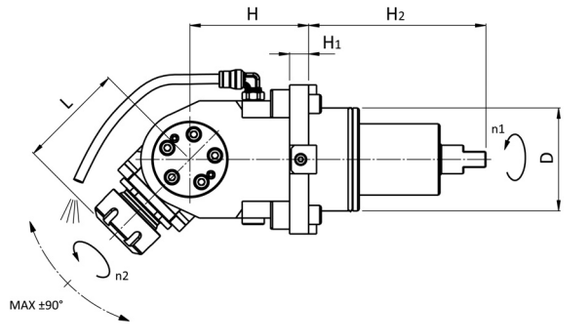
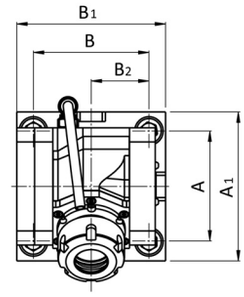
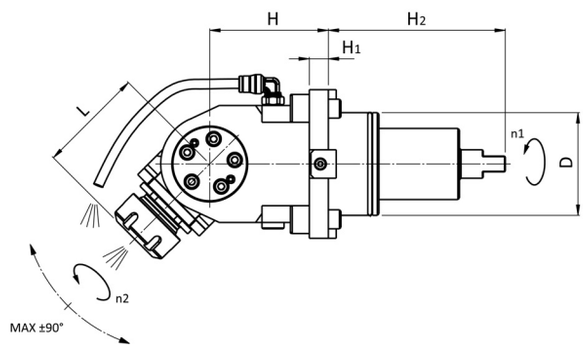


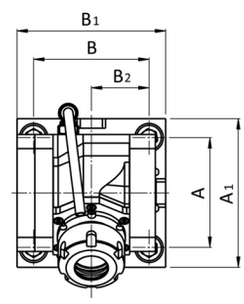


10/BMT55

±90° | DIN 6499 | +1 (1:1) | EXTERNAL

Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
ROPPS 20 121UT55	**55**	**20**	65	12	104	48,8÷52,5			64	64	85	85		32	15	8000	3

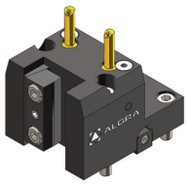


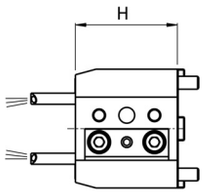


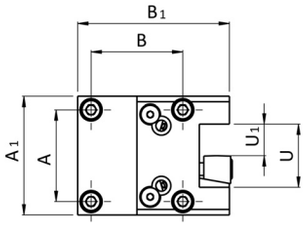
11/BMT55

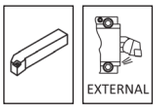
±90° | DIN 6499 | +1 (1:1) | INT./EXT. | 80 bar | Filtration 30µm

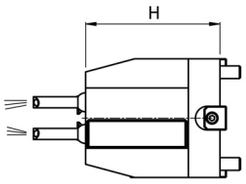
Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M_2 Nm	n_2 min-1	P kW
ROPPS 20 131UT55	**55**	**20**	65	12	104	48,8÷52,5			64	64	85	85		32	15	8000	3

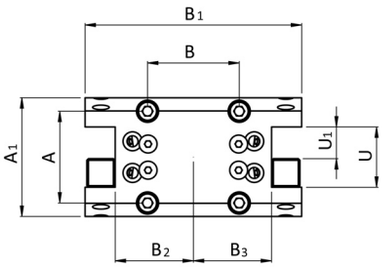


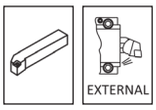




101/BMT55	Codice code - code - Bestell Nr.	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
 EXTERNAL	**E10/U 25 T55X65**	50	**25**		65				64	64	85	111			
	E10/U 1" T55X65	2"	**1"**		65				64	64	85	111			





102/BMT55	Codice code - code - Bestell Nr.	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
 EXTERNAL	**E10/UD 25 T55X85**	50	**25**		85				64	64	85	155		57	57
	E10/UD 1" T55X85	2"	**1"**		85				64	64	85	155		57	57

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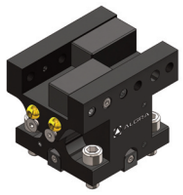
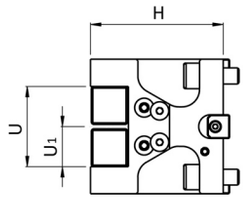
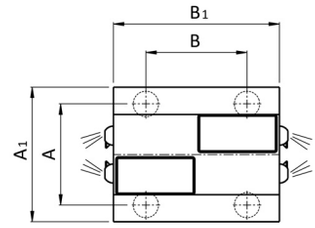
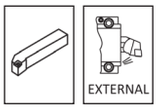
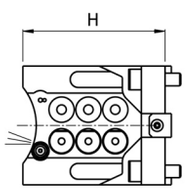


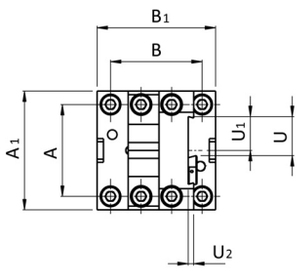




103/BMT55	Codice code - code - Bestell Nr.	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
	**E10/UAD20 T55X84**	40	**20**		84				64	64	85	105			
	E10/UAD0.75" T55X84	1.5"	**0.75"**		84				64	64	85	105			

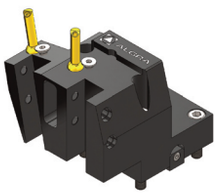
EXTERNAL

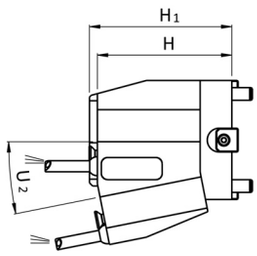


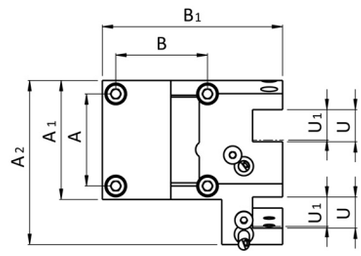


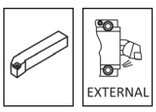
104/BMT55	Codice code - code - Bestell Nr.	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
	E10/TT 26 T55X100	**26**	21	2,36	100				64	64	85	85			

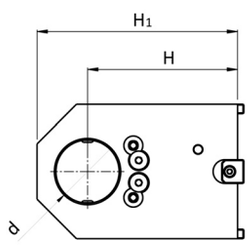
EXTERNAL

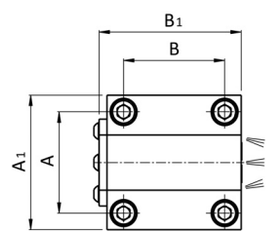


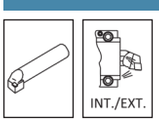


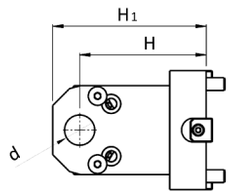


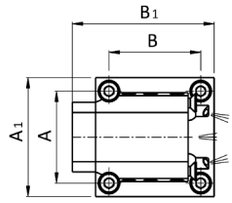
105/BMT55	Codice code - code - Bestell Nr.	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
 EXTERNAL	**E12/IDS25 T55X102**	26,5	**25**	15°	102	110			64	64	85	121	135		
	E12/IDS1" T55X102	26,5	**1"**	15°	102	110			64	64	85	121	135		



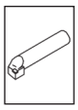


106/BMT55	Codice code - code - Bestell Nr.	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
 INT./EXT.	**E10/B 40 T55X60**	**Ø 40**			60	92			64	64	85	90			
	E10/B 40 T55X70	**Ø 40**			70	102			64	64	85	90			
	E10/B 1.5" T55X70	**Ø 1.5"**			70	102			64	64	85	90			
	E10/B 40 T55X95	**Ø 40**			95	125			64	64	85	90			
	E10/B 1.5" T55X95	**Ø 1.5"**			95	125			64	64	85	90			

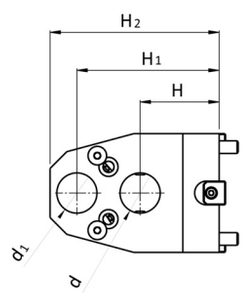


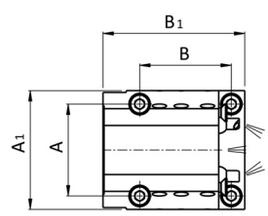


107/BMT55

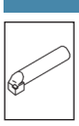


Codice code - code - Bestell Nr.	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
E10/BN 20 T55X95	**Ø 20**			95	130			64	64	85	100			
E10/BN 25 T55X95	**Ø 25**			95	130			64	64	85	100			
E10/BN 32 T55X95	**Ø 32**			95	135			64	64	85	100			
E10/BN 0.75" T55X95	**Ø 0.75"**			95	130			64	64	85	100			
E10/BN 1" T55X95	**Ø 1"**			95	130			64	64	85	100			
E10/BN 1.25" T55X95	**Ø 1.25"**			95	135			64	64	85	100			





108/BMT55



Codice code - code - Bestell Nr.	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
E10/BD 25 T55X65/110	**Ø 25**	**Ø 25**		65	110	130		64	64	85	90			
E10/BD 1" T55X65/110	**Ø 1"**	**Ø 1"**		65	110	130		64	64	85	90			

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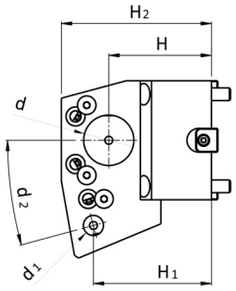
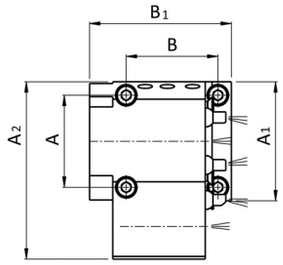
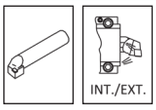
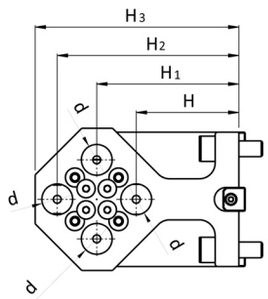
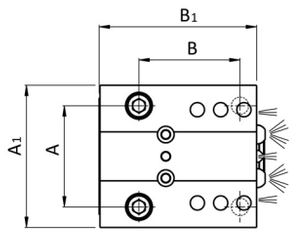
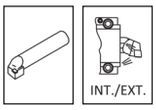




109/BMT55	Codice code - code - Bestell Nr.	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
 INT./EXT.	**E12/IBD32/25 T55X70**	**Ø 32**	**Ø 25**	15°	70	61,4	110		64	64	85	100	130		
	E12/IBD1.5”/1” T55X70	**Ø 1.5”**	**Ø 1”**	15°	70	61,4	110		64	64	85	100	130		



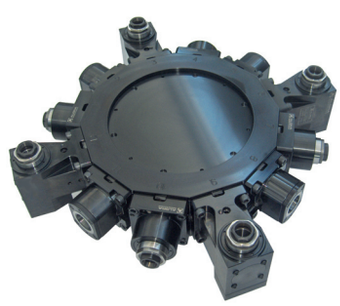


110/BMT55	Codice code - code - Bestell Nr.	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
 INT./EXT.	**E10/BQ 20 T55X65/115**	**Ø 20**			65	90	115	120	64	64	90	100			
	E10/BQ 0.75” T55X65/115	**Ø 0.75”**			65	90	115	120	64	64	90	100			

La produzione: il lavoro
Production: work

La produzione viene sviluppata nella moderna struttura a temperatura controllata di Almenno San Salvatore, mentre negli stabilimenti di Brembilla (I-Bergamo) vengono effettuate le lavorazioni di montaggio ed assemblaggio di gruppi completi. La superficie coperta delle strutture è di mq. 15.000, dei quali mq. 1.000 sono adibiti agli uffici amministrativi, commerciali e tecnici. L'attività produttiva si svolge con l'utilizzo di impianti e macchinari CNC costantemente aggiornati alle nuove tecnologie ed in grado di sviluppare le seguenti lavorazioni:
• Asportazione di truciolo
• Elettroerosione
• Tornitura orizzontale e verticale
• Fresatura universale 5 assi
• Fresatura/tornitura
• Lappatura per fori e piani
• Rettifica in tondo interno ed esterno
• Rettifica in tangenziale oltre al montaggio di gruppi e sottogruppi completi.

The production is developed in the modern, temperature controlled facility in Almenno San Salvatore, with Brembilla factories there are the assembly operations and the assembly of complete groups. The facilities covered area is of 15,000 sqm., 1,000 sqm. of which are used for the administrative commercial and technical offices. The production cycle takes place with the use of CNC fixtures and equipment constantly updated with new technologies and able to develop the following machining:
• Chip machining
• Electroerosion
• Horizontal and vertical turning
• 5-axis universal milling
• Milling/turning
• Lapping for holes and plane surfaces
• Cylindrical internal and external grinding
• Tangential grinding in addition to the assembly of complete groups and subassemblies.



Certificazioni: uno standard qualitativo
Certification: a quality standard

La tecnologia avanzata svolge un ruolo chiave nell'obiettivo di incrementare il proprio valore, quello dei propri prodotti, dei servizi e della capacità del personale, operando nel rispetto delle norme UNI EN ISO 9001:2008 e ISO 14001:2004. L'alto livello di sensibilità verso il rispetto delle regole di sicurezza e dell'ambiente è presente ed immediatamente percepito in tutte le strutture aziendali.

Advanced technology plays a key role aiming to increase its value and the products, services and staff capacity value, operating in compliance with UNI EN ISO 9001:2008 and ISO 14001:2004.
The high level of sensitivity towards the observance of safety rules and the environment is present and perceived immediately in all facilities.

UNI EN ISO 9001:2008 - Cert. n° 0141
UNI EN ISO 14001:2004 - Cert. n° 0270A

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Distributors - Precision mechanics | Algra:

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C-BMT55-16