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AMS

PORTAUTENSILI ROTANTI DRIVEN TOOLS





ALGRA S.p.A., in oltre quarant'anni di attività, ha acquisito posizioni di rilievo nelle lavorazioni meccaniche di precisione, collaborando nel ruolo di partner con le più importanti aziende mondiali nel settore della macchina utensile. Il costante aggiornamento tecnologico ed il miglioramento continuo del sistema aziendale, consentono di garantire alla propria clientela flessibilità, qualità ed affidabilità.

ALGRA S.p.A., for over forty years of activity, has acquired leading position in precision machining, working in partnership with the most important Companies, global leaders in the fields of machine tools. The constant technological upgrading and continuous improvement of the business system enable to ensure flexibility, quality and reliability to its own customers.



**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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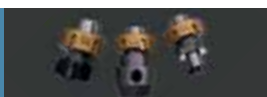
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ATTACCO
COUPLING
ACCOUPLEMENT
KUPPLUNG



ALGRA

BMT

BMT45	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499		8000rpm	i=1:1	RAPPS 25 121UT45	RAPPS 25 131UT45	9
		ER32 - DIN6499		8000rpm	i=1:1	RAPPS 32 121UT45	RAPPS 32 131UT45	9
		ER16 - DIN6499		32000rpm	i=1:4	RAPPS 16 122UT45		10
		ER16 - DIN6499		16000rpm	i=1:2	RAPPD 16 1222UT45		10
	90°	ER25 - DIN6499	65mm	8000rpm	i=1:1	RRPPS 25 121UT45	RRPPS 25 131UT45	11
		ER25 - DIN6499	85mm	8000rpm	i=1:1	RRPPS 25 321UT45	RRPPS 25 331UT45	11
		ER25 - DIN6499	100mm	8000rpm	i=1:1	RRPPS 25 421UT45	RRPPS 25 431UT45	11
		ER32 - DIN6499	65mm	8000rpm	i=1:1	RRPPS 32 121UT45	RRPPS 32 131UT45	11
		ER16 - DIN6499	65mm	32000rpm	i=1:4	RRPPS 16 122UT45		12
		ER16 - DIN6499	65mm	16000rpm	i=1:2	RRPPS 16 1222UT45		12
		Ø16mm - DIN6358	65mm	8000rpm	i=1:1	RRPFS 16 121UT45		12
		Ø16mm - DIN6358	85mm	8000rpm	i=1:1	RRPFS 16 321UT45		12
		Ø16mm - DIN6358	100mm	8000rpm	i=1:1	RRPFS 16 421UT45		12
	90° Double	ER25 - DIN6499	65mm	8000rpm	i=1:1	RRPPT 25 121UT45		13
		ER25 - DIN6499	85mm	8000rpm	i=1:1	RRPPT 25 321UT45		13
		ER25 - DIN6499	100mm	8000rpm	i=1:1	RRPPT 25 421UT45		13
		ER32 - DIN6499	65mm	8000rpm	i=1:1	RRPPT 32 121UT45		13
	±90°	ER20 - DIN6499		8000rpm	i=1:1	ROPPTS 20 121UT45	ROPPTS 20 131UT45	14

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	9
		ER16 - DIN6499		32000rpm	i=1:4	RAPPS 16 122UT55		10
		ER16 - DIN6499		16000rpm	i=1:2	RAPPD 16 1222UT55		10
	90°	ER25 - DIN6499	60mm	8000rpm	i=1:1	RRPPS 25 121UT55	RRPPS 25 131UT55	11
		ER25 - DIN6499	70mm	8000rpm	i=1:1	RRPPS 25 321UT55	RRPPS 25 331UT55	11
		ER25 - DIN6499	85mm	8000rpm	i=1:1	RRPPS 25 421UT55	RRPPS 25 431UT55	11
		ER25 - DIN6499	100mm	8000rpm	i=1:1	RRPPS 25 521UT55	RRPPS 25 531UT55	11
		ER16 - DIN6499	70mm	32000rpm	i=1:4	RRPPS 16 122UT55		12
		ER16 - DIN6499	80mm	16000rpm	i=1:2	RRPPS 16 4222UT55		12
		Ø16mm - DIN6358	60mm	8000rpm	i=1:1	RRPFS 16 121UT55		12
		Ø16mm - DIN6358	70mm	8000rpm	i=1:1	RRPFS 16 321UT55		12
		Ø16mm - DIN6358	85mm	8000rpm	i=1:1	RRPFS 16 421UT55		12
		Ø16mm - DIN6358	100mm	8000rpm	i=1:1	RRPFS 16 521UT55		12
	90° Double	ER25 - DIN6499	60mm	8000rpm	i=1:1	RRPPT 25 121UT55		13
		ER25 - DIN6499	70mm	8000rpm	i=1:1	RRPPT 25 321UT55		13
		ER25 - DIN6499	85mm	8000rpm	i=1:1	RRPPT 25 421UT55		13
		ER25 - DIN6499	100mm	8000rpm	i=1:1	RRPPT 25 521UT55		13
	±90°	ER20 - DIN6499		8000rpm	i=1:1	ROPPS 20 121UT55	ROPPS 20 131UT55	14

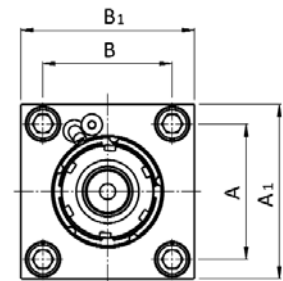
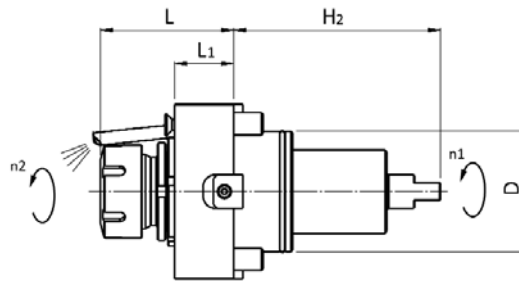
BMT

BMT65	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER32 - DIN6499		6000rpm	i=1:1	RAPPS 32 121UT65	RAPPS 32 131UT65	9
		ER20 - DIN6499		24000rpm	i=1:4	RAPPS 20 122UT65		10
		ER20 - DIN6499		12000rpm	i=1:2	RAPPD 20 1222UT65		10
	90°	ER32 - DIN6499	72mm	6000rpm	i=1:1	RRPPS 32 121UT65	RRPPS 32 131UT65	11
		ER32 - DIN6499	100mm	6000rpm	i=1:1	RRPPS 32 321UT65	RRPPS 32 331UT65	11
		ER20 - DIN6499	72mm	24000rpm	i=1:4	RRPPS 20 122UT65		12
		ER20 - DIN6499	72mm	12000rpm	i=1:2	RRPPS 20 1222UT65		12
		Ø22mm - DIN6358	72mm	6000rpm	i=1:1	RRPFS 22 121UT65		12
		Ø22mm - DIN6358	100mm	6000rpm	i=1:1	RRPFS 22 321UT65		12
	90° Double	ER32 - DIN6499	72mm	6000rpm	i=1:1	RRPPT 32 121UT65		13
		ER32 - DIN6499	100mm	6000rpm	i=1:1	RRPPT 32 321UT65		13
	±90°	ER25 - DIN6499		6000rpm	i=1:1	ROPPS 25 121UT65	ROPPS 25 131UT65	14

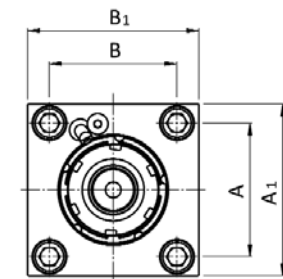
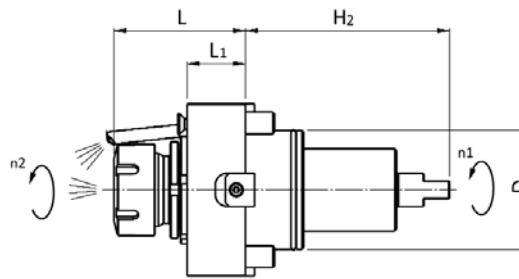
BMT75	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER40 - DIN6499		6000rpm	i=1:1	RAPPS 40 121UT75	RAPPS 40 131UT75	9
		ER25 - DIN6499		24000rpm	i=1:4	RAPPS 25 122UT75		10
		ER25 - DIN6499		12000rpm	i=1:2	RAPPD 25 1222UT75		10
	90°	ER40 - DIN6499	60mm	6000rpm	i=1:1	RRPPS 40 121UT75	RRPPS 40 131UT75	11
		ER40 - DIN6499	90mm	6000rpm	i=1:1	RRPPS 40 321UT75	RRPPS 40 331UT75	11
		ER40 - DIN6499	110mm	6000rpm	i=1:1	RRPPS 40 421UT75	RRPPS 40 431UT75	11
		ER25 - DIN6499	60mm	24000rpm	i=1:4	RRPPS 25 122UT75		12
		ER25 - DIN6499	60mm	12000rpm	i=1:2	RRPPS 25 1222UT75		12
		Ø27mm - DIN6358	60mm	6000rpm	i=1:1	RRPFS 27 121UT75		12
		Ø27mm - DIN6358	90mm	6000rpm	i=1:1	RRPFS 27 321UT75		12
		Ø27mm - DIN6358	110mm	6000rpm	i=1:1	RRPFS 27 421UT75		12
	90° double	ER40 - DIN6499	60mm	6000rpm	i=1:1	RRPPT 40 121UT75		13
		ER40 - DIN6499	90mm	6000rpm	i=1:1	RRPPT 40 321UT75		13
		ER40 - DIN6499	110mm	6000rpm	i=1:1	RRPPT 40 421UT75		13
	±90°	ER25 - DIN6499		6000rpm	i=1:1	ROPPS 25 121UT75	ROPPS 25 131UT75	14

BMT85	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER50 - DIN6499		3200rpm	i=1:1	RAPPS 50 121UT85	RAPPS 50 131UT85	9
		ER32 - DIN6499		12000rpm	i=1:4	RAPPS 32 122UT85		10
		ER32 - DIN6499		6000rpm	i=1:2	RAPPD 32 1222UT85		10
	90°	ER50 - DIN6499	85mm	3200rpm	i=1:1	RRPPS 50 121UT85	RRPPS 50 131UT85	11
		ER50 - DIN6499	110mm	3200rpm	i=1:1	RRPPS 50 321UT85	RRPPS 50 331UT85	11
		Ø27mm - DIN6358	85mm	3200rpm	i=1:1	RRPFS 27 121UT85		12
		Ø27mm - DIN6358	110mm	3200rpm	i=1:1	RRPFS 27 321UT85		12

BMT

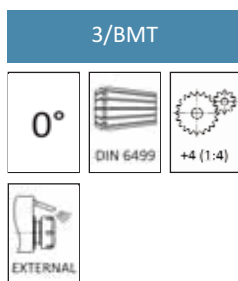
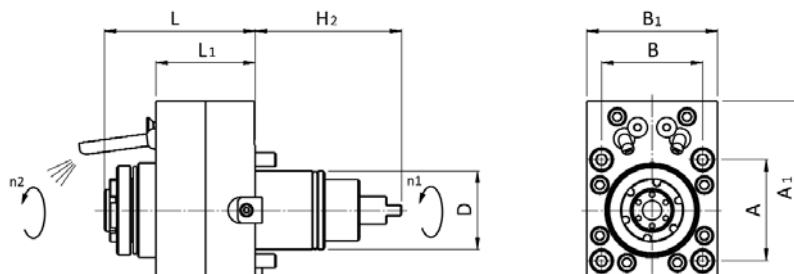


1/BMT			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
   +1 (1:1)	 EXTERNAL		RAPPS 25 121UT45	45	25			84	53,5÷57,2	25		58	58	75	75			35	8000	6
			RAPPS 32 121UT45	45	32			84	76,5÷80,2	40		58	58	75	75			35	8000	6
			RAPPS 25 121UT55	55	25			104	53,5÷57,2	25		64	64	85	85			40	8000	8
			RAPPS 32 121UT65	65	32			112	68,5÷72,2	32		73	70	94	94			70	6000	10
			RAPPS 40 121UT75	75	40			110	86,5÷90,2	52,6		90	90	112	112			100	6000	12
			RAPPS 50 121UT85	85	50			140	112÷119,2	46,5		100	100	125	125			150	3200	15

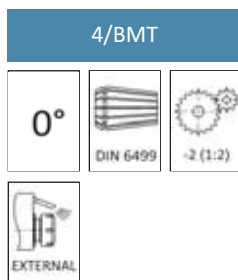
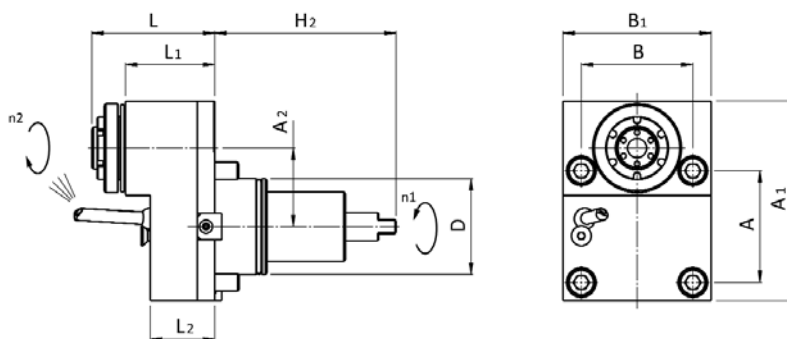


2/BMT			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°	 DIN 6499	 +1 (1:1)	RAPPS 25 131UT45	45	25			84	53,5÷57,2	25		58	58	75	75			35	8000	6
			RAPPS 32 131UT45	45	32			84	76,5÷80,2	40		58	58	75	75			35	8000	6
			RAPPS 25 131UT55	55	25			104	53,5÷57,2	25		64	64	85	85			40	8000	8
			RAPPS 32 131UT65	65	32			112	68,5÷72,2	32		73	70	94	94			70	6000	10
			RAPPS 40 131UT75	75	40			110	86,5÷90,2	52,6		90	90	112	112			100	6000	12
 INT./EXT.	 80 bar	 Filtration 30µm	RAPPS 50 131UT85	85	50			140	112÷119,2	46,5		100	100	125	125			150	3200	15

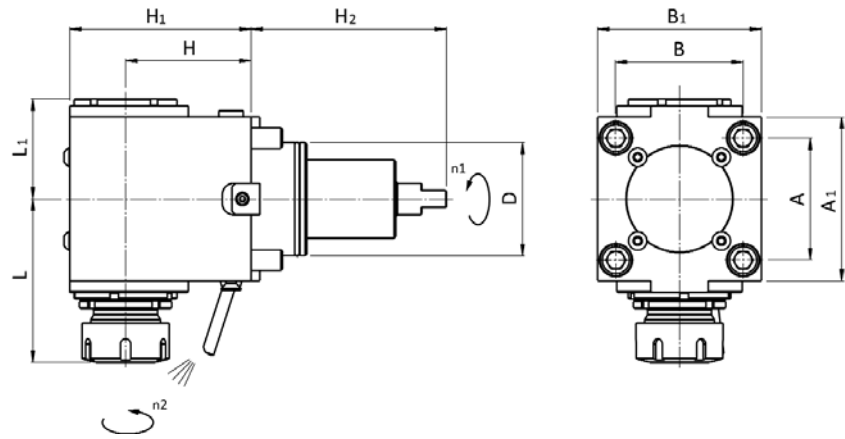
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Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RAPPS 16 122UT45	45	16			84	82,5÷86,5	57		58	58	100	75			12	32000	3
RAPPS 16 122UT55	55	16			104	82,5÷86,5	57		64	64	100	75			12	32000	3
RAPPS 20 122UT65	65	20			112	122,5÷126,2	96		70	73	120	94			20	24000	8
RAPPS 25 122UT75	75	25			110	122,5÷126,2	96		90	90	120	112			20	24000	8
RAPPS 32 122UT85	85	32			140	142,5÷146,2	107		100	100	125	125			30	12000	10

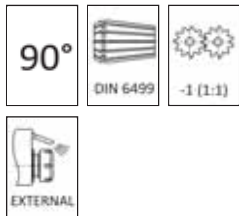


Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RAPPD 16 1222UT45	45	16			84	66,8÷70,5	51,3	37	58	58	109,5	75	45		15	16000	4
RAPPD 16 1222UT55	55	16			104	66,8÷70,5	51,3	37	64	64	114,5	85	45		15	16000	4
RAPPD 20 1222UT65	65	20			112	101,3÷105	71	52	70	73	122	94	45		35	12000	8
RAPPD 25 1222UT75	75	25			110	101,3÷105	71	52	90	90	131	112	45		35	12000	8
RAPPD 32 1222UT85	85	32			140	101,3÷108,7	88	58	100	100	158	125	60		75	6000	12

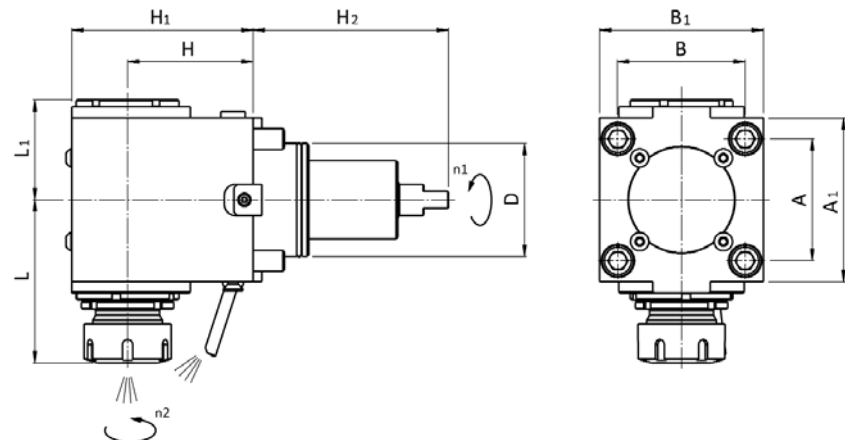


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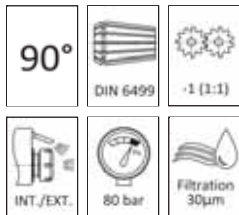
5/BMT



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 121UT45	45	25	65	95	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 32 121UT45	45	32	65	97	84	89,9÷93,6	57,4		58	58	75	75			35	8000	6
RRPPS 25 321UT45	45	25	85	115	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 25 421UT45	45	25	100	130	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
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
RRPPS 32 121UT65	65	32	72	104	112	89,9÷93,6	57,4		70	73	94	94			70	6000	10
RRPPS 32 321UT65	65	32	100	132	112	89,9÷93,6	57,4		70	73	94	94			70	6000	10
RRPPS 40 121UT75	75	40	60	107	110	108,3÷112,1	74,1		90	90	112	112			100	6000	12
RRPPS 40 321UT75	75	40	90	137	110	108,3÷112,1	74,1		90	90	112	112			100	6000	12
RRPPS 40 421UT75	75	40	110	157	110	108,3÷112,1	74,1		90	90	112	112			100	6000	12
RRPPS 50 121UT85	85	50	85	136,5	140	140,3÷147,7	91,6		100	100	125	125			150	3200	15
RRPPS 50 321UT85	85	50	110	161,5	140	140,3÷147,7	91,6		100	100	125	125			150	3200	15

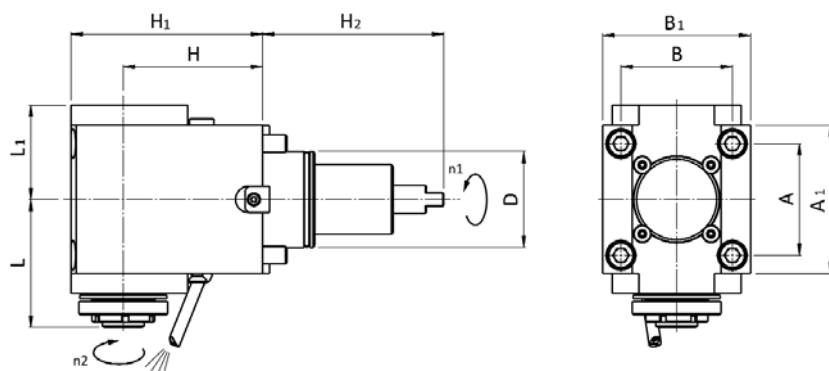


6/BMT



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 131UT45	45	25	65	95	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 32 131UT45	45	32	65	97	84	89,9÷93,6	63,4		58	58	75	75			35	8000	6
RRPPS 25 331UT45	45	25	85	115	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 25 431UT45	45	25	100	130	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
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
RRPPS 32 131UT65	65	32	72	104	112	89,9÷93,6	63,4		70	73	94	94			70	6000	10
RRPPS 32 331UT65	65	32	100	132	112	89,9÷93,6	63,4		70	73	94	94			70	6000	10
RRPPS 40 131UT75	75	40	60	107	110	108,3÷112,1	74,1		90	90	112	112			100	6000	12
RRPPS 40 331UT75	75	40	90	137	110	108,3÷112,1	74,1		90	90	112	112			100	6000	12
RRPPS 40 431UT75	75	40	110	157	110	108,3÷112,1	74,1		90	90	112	112			100	6000	12
RRPPS 50 131UT85	85	50	85	136,5	140	140,3÷147,7	91,6		100	100	125	125			150	3200	15
RRPPS 50 331UT85	85	50	110	161,5	140	140,3÷147,7	91,6		100	100	125	125			150	3200	15

BMT



7/BMT

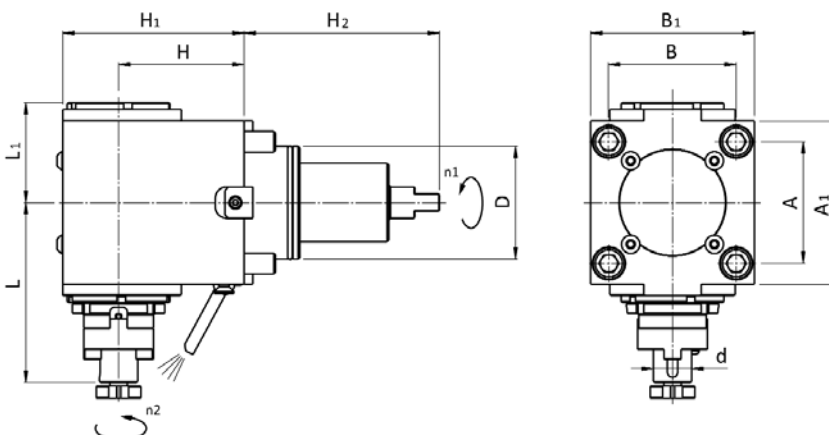


Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RRPPS 16 122UT45	45	16	65	95	84	66÷69,7	52,5		58	58	75	75			12	32000	3
RRPPS 16 122UT55	55	16	70	100	104	66÷69,7	52,5		64	64	85	85			12	32000	3
RRPPS 20 122UT65	65	20	72	112	112	89,9÷93,6	57,4		70	73	94	94			20	24000	8
RRPPS 25 122UT75	75	25	60	100	110	108,3÷112,1	74,1		90	90	112	112			20	24000	8

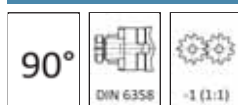
7/BMT



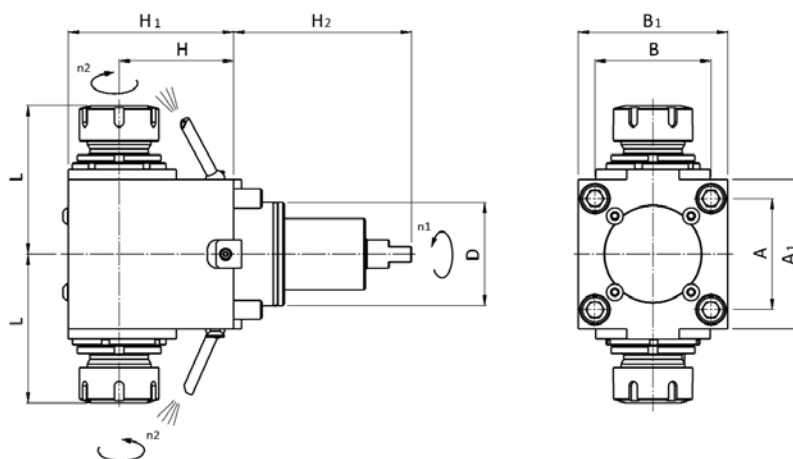
Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RRPPS 16 122UT45	45	16	65	95	84	69,6÷73,3	54		58	58	75	75			15	16000	4
RRPPS 16 422UT55	55	16	80	110	104	69,6÷73,3	54		64	64	85	85			15	16000	4
RRPPS 20 122UT65	65	20	72	104	112	89,9÷93,6	57,4		70	73	94	94			35	12000	8
RRPPS 25 122UT75	75	25	60	107	110	108,3÷112,1	74,1		90	90	112	112			35	12000	8

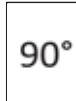


8/BMT

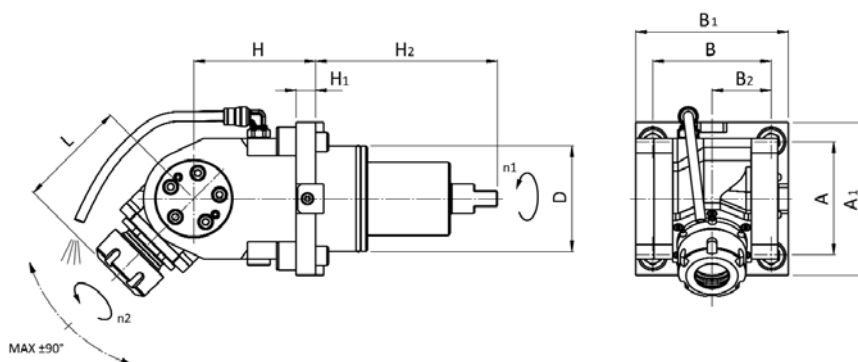


Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ 1	P kW
RRPFS 16 121UT45	45	Ø16	65	95	84	95	52,2		58	58	75	75			35	8000	6
RRPFS 16 321UT45	45	Ø16	85	115	84	95	52,2		58	58	75	75			35	8000	6
RRPFS 16 421UT45	45	Ø16	100	130	84	95	52,2		58	58	75	75			35	8000	6
RRPFS 16 121UT55	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
RRPFS 22 121UT65	65	Ø22	72	104	112	103,5	57,4		70	73	94	94			70	6000	10
RRPFS 22 321UT65	65	Ø22	100	132	112	103,5	57,4		70	73	94	94			70	6000	10
RRPFS 27 121UT75	75	Ø27	60	107	110	120	74,1		90	90	112	112			100	6000	12
RRPFS 27 321UT75	75	Ø27	90	137	110	120	74,1		90	90	112	112			100	6000	12
RRPFS 27 421UT75	75	Ø27	110	157	110	120	74,1		90	90	112	112			100	6000	12
RRPFS 27 121UT85	85	Ø27	85	136,5	140	136	91,6		100	100	125	125			150	3200	15
RRPFS 27 321UT85	85	Ø27	110	161,5	140	136	91,6		100	100	125	125			150	3200	15

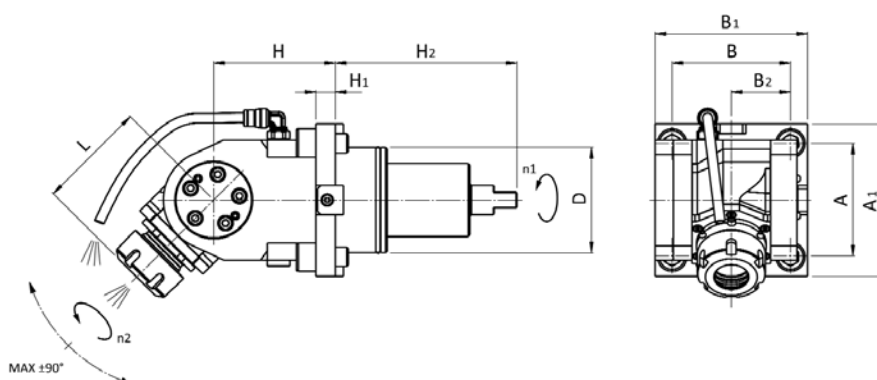

BMT

9/BMT			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 121UT45	45	25	65	95	84	81,2÷84,9			58	58	75	75			35	8000	6
			RRPPT 32 121UT45	45	32	65	97	84	89,9÷93,6			58	58	75	75			35	8000	6
			RRPPT 25 321UT45	45	25	85	115	84	81,2÷84,9			58	58	75	75			35	8000	6
			RRPPT 25 421UT45	45	25	100	130	84	81,2÷84,9			58	58	75	75			35	8000	6
			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
			RRPPT 32 121UT65	65	32	72	104	112	93÷93,6			70	73	94	94			70	6000	10
			RRPPT 32 321UT65	65	32	100	132	112	93÷93,6			70	73	94	94			70	6000	10
			RRPPT 40 121UT75	75	40	60	107	110	108,4÷112,1			90	90	132	112			100	6000	12
			RRPPT 40 321UT75	75	40	90	137	110	108,4÷112,1			90	90	132	112			100	6000	12
			RRPPT 40 421UT75	75	40	110	157	110	108,4÷112,1			90	90	132	112			100	6000	12

BMT



10/BMT			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°			ROPPS 20 121UT45	45	20	65	12	84	48,8÷52,5			58	58	75	75		29	15	8000	3
			ROPPS 20 121UT55	55	20	65	12	104	48,8÷52,5			64	64	85	85		32	15	8000	3
			ROPPS 25 121UT65	65	25	75	12	112	63,5÷67,2			70	73	94	94		36,5	25	6000	4
			ROPPS 25 121UT75	75	25	75	12	110	63,5÷67,2			90	90	105	105		45	25	6000	4



11/BMT			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°			ROPPS 20 131UT45	45	20	65	12	84	48,8÷52,5			58	58	75	75		29	15	8000	3
			ROPPS 20 131UT55	55	20	65	12	104	48,8÷52,5			64	64	85	85		32	15	8000	3
			ROPPS 25 131UT65	65	25	75	12	112	63,5÷67,2			70	73	94	94		36,5	25	6000	4
			ROPPS 25 131UT75	75	25	75	12	110	63,5÷67,2			90	90	105	105		45	25	6000	4





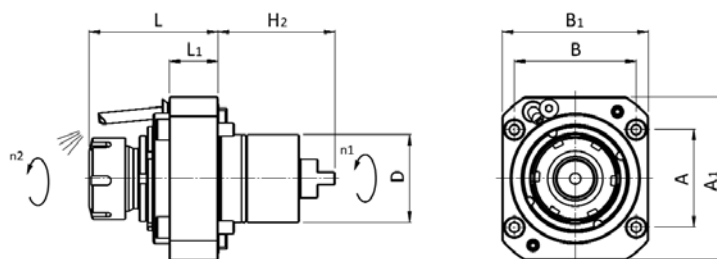
ATTACCO
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ACCOUPLEMENT
KUPPLUNG



M38	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER16 - DIN6499		6000rpm	i=1:1	RAPPS 16 121UM38	RAPPS 16 131UM38	17
		ER25 - DIN6499		6000rpm	i=1:1	RAPPS 25 121UM38	RAPPS 25 131UM38	17
		ER16 - DIN6499		24000rpm	i=1:4	RAPPS 16 122UM38		18
		Ø16mm - DIN6358		6000rpm	i=1:1	RAPFS 16 121UM38		18
	90°	ER16 - DIN6499	59mm	6000rpm	i=1:1	RRPPS 16 121UM38	RRPPS 16 131UM38	19
		ER20 - DIN6499	59mm	6000rpm	i=1:1	RRPPS 20 121UM38	RRPPS 20 131UM38	19
		ER16 - DIN6499	59mm	24000rpm	i=1:4	RRPPS 16 122UM38		20
		Ø16mm - DIN6358	59mm	6000rpm	i=1:1	RRPFS 16 122UM38		20
	±90°	ER16 - DIN6499		6000rpm	i=1:1	ROPSS 16 121UM38	ROPSS 16 131UM38	22

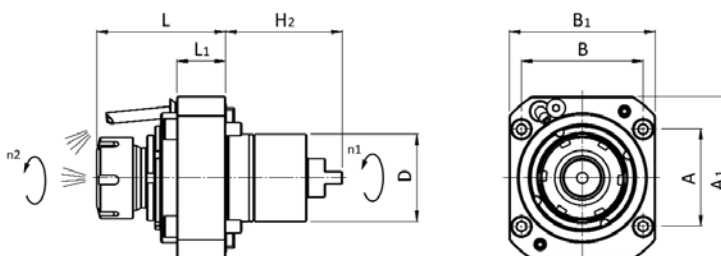
M45	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499		6000rpm	i=1:1	RAPPS 25 121UM45	RAPPS 25 131UM45	17
		ER32 - DIN6499		6000rpm	i=1:1	RAPPS 32 121UM45	RAPPS 32 131UM45	17
		ER16 - DIN6499		24000rpm	i=1:4	RAPPS 16 122UM45		18
		Ø16mm - DIN6358		6000rpm	i=1:1	RAPFS 16 121UM45		18
	90°	ER25 - DIN6499	65mm	6000rpm	i=1:1	RRPPS 25 121UM45	RRPPS 25 131UM45	19
		ER16 - DIN6499	65mm	24000rpm	i=1:4	RRPPS 16 122UM45		20
		Ø16mm - DIN6358	65mm	6000rpm	i=1:1	RRPFS 16 121UM45		20
	90° Double	ER25 - DIN6499	65mm	6000rpm	i=1:1	RRPPT 25 121UM45		21
	±90°	ER20 - DIN6499		6000rpm	i=1:1	ROPSS 20 121UM45	ROPSS 20 131UM45	22

M54	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499		6000rpm	i=1:1	RAPPS 25 121UM54	RAPPS 25 131UM54	17
		ER32 - DIN6499		6000rpm	i=1:1	RAPPS 32 121UM54	RAPPS 32 131UM54	17
		ER16 - DIN6499		24000rpm	i=1:4	RAPPS 16 122UM54		18
		Ø22mm - DIN6358		6000rpm	i=1:1	RAPFS 22 121UM54		18
	90°	ER25 - DIN6499	75mm	6000rpm	i=1:1	RRPPS 25 321UM54	RRPPS 25 331UM54	19
		ER32 - DIN6499	75mm	6000rpm	i=1:1	RRPPS 32 321UM54	RRPPS 32 331UM54	19
		ER16 - DIN6499	75mm	24000rpm	i=1:4	RRPPS 16 122UM54		20
		Ø22mm - DIN6358	75mm	6000rpm	i=1:1	RRPFS 22 121UM54		20
	90° Double	ER25 - DIN6499	75mm	6000rpm	i=1:1	RRPPT 25 321UM54		21
		ER32 - DIN6499	75mm	6000rpm	i=1:1	RRPPT 32 321UM54		21
	±90°	ER20 - DIN6499		6000rpm	i=1:1	ROPSS 20 121UM54	ROPSS 20 131UM54	22

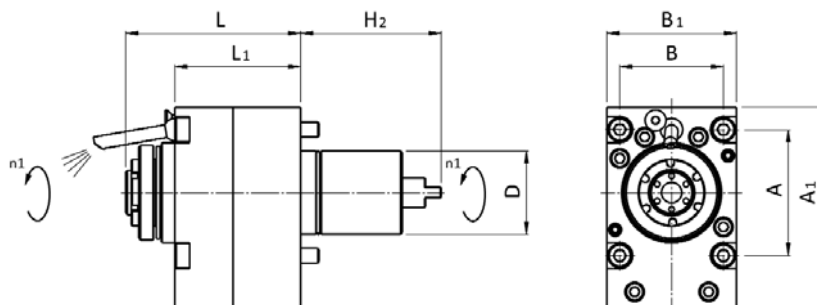


1/M			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
			RAPPS 16 121UM38	38	16			37	66,3÷70	40		52	56	78	80			25	6000	6
			RAPPS 25 121UM38	38	25			37	69÷72,7	40		52	56	78	80			25	6000	6
			RAPPS 25 121UM45	45	25			76	53,9÷57,6	25		68	56	92	70			35	6000	6
			RAPPS 32 121UM45	45	32			76	60,6÷64,3	25		68	56	92	70			35	6000	6
			RAPPS 25 121UM54	54	25			72	73,5÷77,2	30		60	75	100	90			60	6000	10
			RAPPS 32 121UM54	54	32			72	75,7÷79,4	30		60	75	100	90			60	6000	10

M

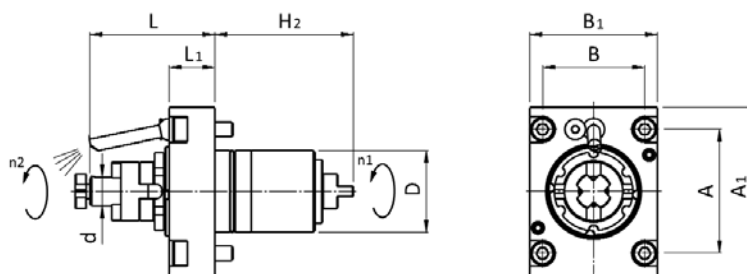


2/M			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
			RAPPS 16 131UM38	38	16			37	66,3÷70	40		52	56	78	80			25	6000	6
			RAPPS 25 131UM38	38	25			37	69÷72,7	40		52	56	78	80			25	6000	6
			RAPPS 25 131UM45	45	25			76	53,9÷57,6	25		68	56	92	70			35	6000	6
			RAPPS 32 131UM45	45	32			76	60,6÷64,3	25		68	56	92	70			35	6000	6
			RAPPS 25 131UM54	54	25			72	73,5÷77,2	30		60	75	100	90			60	6000	10
			RAPPS 32 131UM54	54	32			72	75,7÷79,4	30		60	75	100	90			60	6000	10



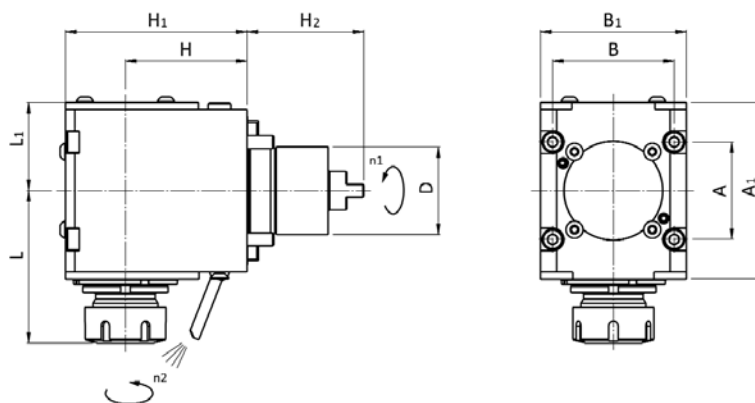
M

3/M			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°			RAPPS 16 122UM38	38	16			37	90,8÷94,5	68		52	56	108,5	70			6	24000	3
			RAPPS 16 122UM45	45	16			76	90,8÷94,5	68		68	56	108,5	70			6	24000	3
			RAPPS 16 122UM54	54	16			72	90,8÷94,5	68		60	75	108,5	70			6	24000	3



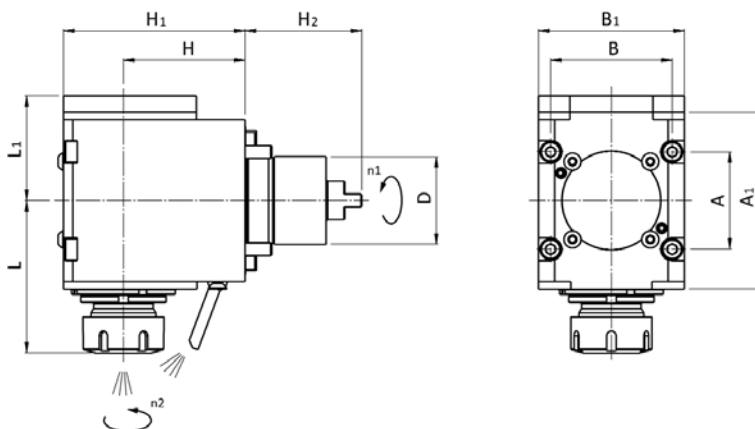
4/M			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPFS 16 121UM38	38	Ø16			37	68,5	25		52	56	78	80			25	6000	6
			RAPFS 16 121UM45	45	Ø16			76	68,5	25		68	56	92	70			35	6000	6
			RAPFS 22 121UM54	54	Ø22			72	100	35		60	75	100	90			60	6000	10



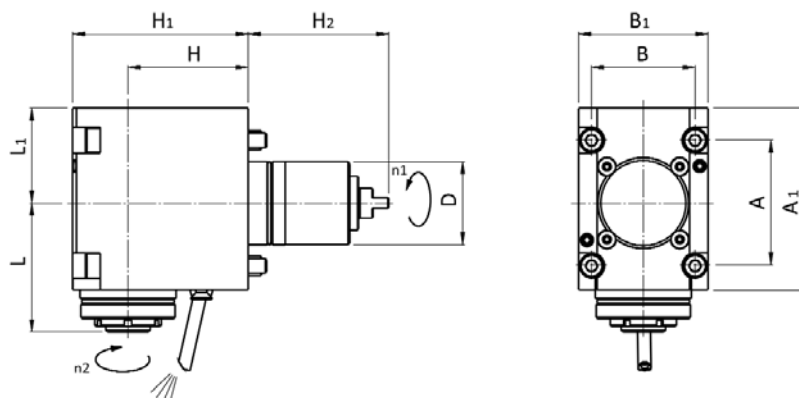


5/M			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°			RRPPS 16 121UM38	38	16	59	84	37	65,3÷69	45		52	56	78	80			25	6000	6
			RRPPS 20 121UM38	38	20	59	84	37	65,3÷69	45		52	56	78	80			25	6000	6
			RRPPS 25 121UM45	45	25	65	95	76	80,9÷84,6	52,2		68	56	92	70			35	6000	6
			RRPPS 25 321UM54	54	25	75	112	72	87,3÷91	54,5		60	75	100	90			60	6000	10
			RRPPS 32 321UM54	54	32	75	112	72	90,3÷94	54,5		60	75	100	90			60	6000	10

M



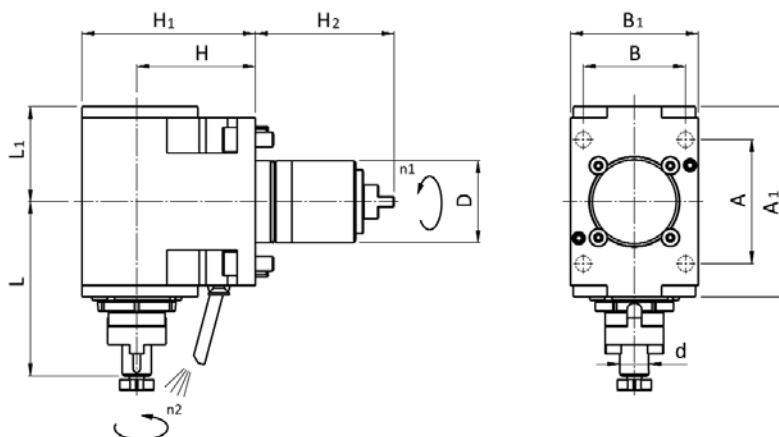
6/M			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°			RRPPS 16 131UM38	38	16	59	84	37	65,3÷69	45		52	56	78	80			25	6000	6
			RRPPS 20 131UM38	38	20	59	84	37	65,3÷69	45		52	56	78	80			25	6000	6
			RRPPS 25 131UM45	45	25	65	95	76	80,9÷84,6	52,2		68	56	92	70			35	6000	6
			RRPPS 25 331UM54	54	25	75	112	72	87,3÷91	64,5		60	75	100	90			60	6000	10
			RRPPS 32 331UM54	54	32	75	112	72	90,3÷94	64,5		60	75	100	90			60	6000	10



7/M

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 16 122UM38	38	16	59	89	97	66÷69,7	51,5		52	56	98,5	80			6	24000	3
RRPPS 16 122UM45	45	16	65	95	76	66÷69,7	51,5		68	56	98,5	70			6	24000	3
RRPPS 16 122UM54	54	16	75	112	72	66÷69,7	51,5		60	75	98,5	90			6	24000	3

90°

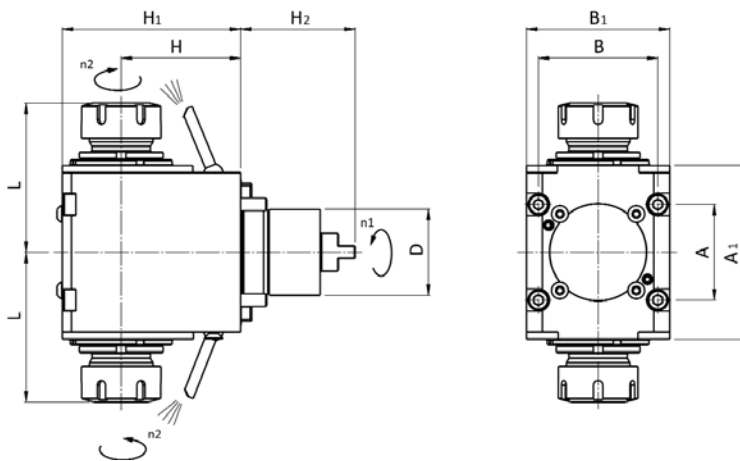


8/M

Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RRPFS 16 121UM38	38	Ø16	59	84	37	95,6	55		52	56	78	80			25	6000	6
RRPFS 16 121UM45	45	Ø16	65	95	76	95,6	52,2		68	56	92	70			35	6000	6
RRPFS 22 121UM54	54	Ø22	75	112	72	102	58		60	75	100	90			60	6000	10

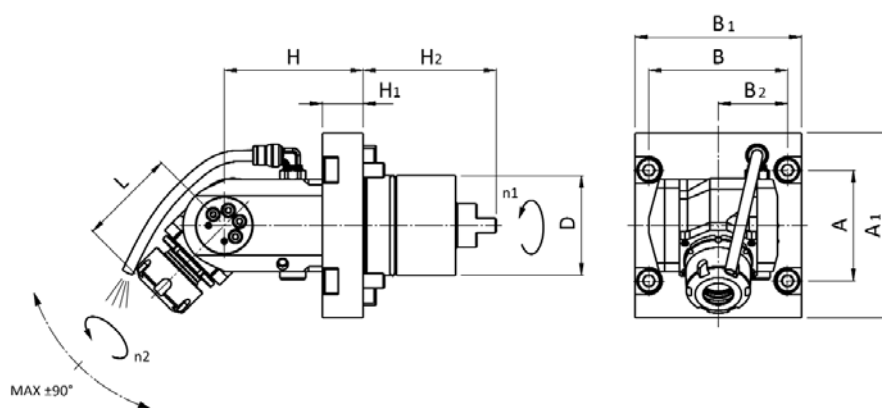
90°



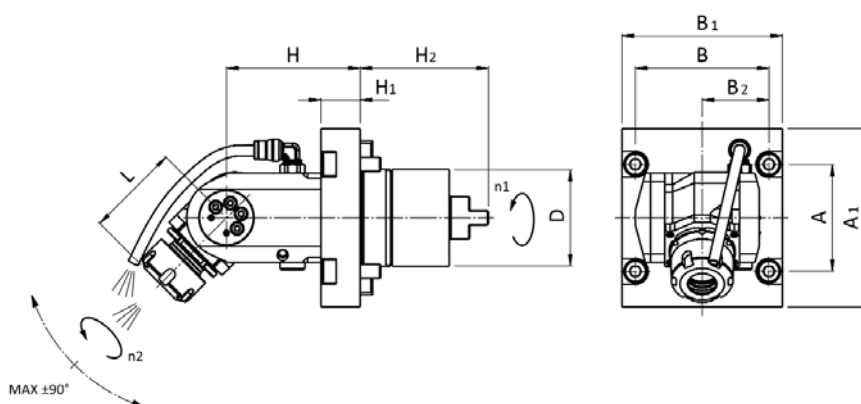


9/M			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°   	DIN 6499		RRPPT 25 121UM45	45	25	65	95	76	80,9÷84,6			68	56	92	70			35	6000	6
			RRPPT 25 321UM54	54	25	75	112	72	87,3÷91			60	75	100	90			60	6000	10
			RRPPT 32 321UM54	54	32	75	112	72	90,2÷93,9			60	75	100	90			60	6000	10

M



10/M			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°			ROPPS 16 121UM38	38	16	60	17,5	37	52,3÷56			52	56	78	80		28	10	6000	2
			ROPPS 20 121UM45	45	20	65	12	76	48,8÷52,5			68	56	92	70		28	15	6000	3
			ROPPS 20 121UM54	54	20	75	22	72	48,8÷52,5			60	75	100	90		37,5	15	6000	3



11/M			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°			ROPPS 16 131UM38	38	16	60	17,5	37	52,3÷56			52	56	78	80		28	10	6000	2
			ROPPS 20 131UM45	45	20	65	12	76	48,8÷52,5			68	56	92	70		28	15	6000	3
			ROPPS 20 131UM54	54	20	75	22	72	48,8÷52,5			60	75	100	90		37,5	15	6000	3

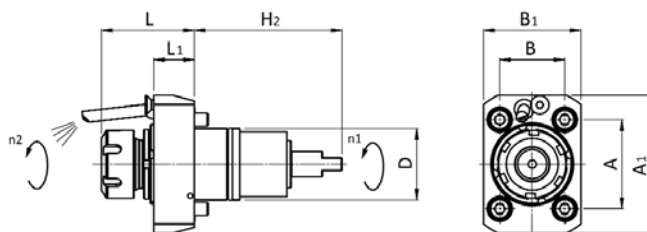
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COUPLING
ACCOUPLEMENT
KUPPLUNG



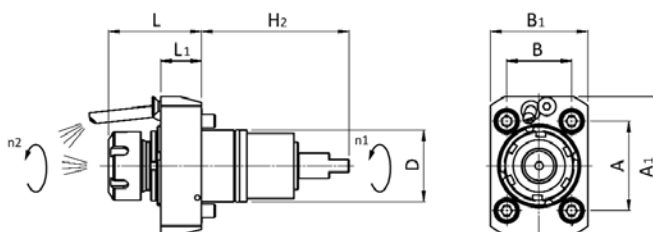
N

N44	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499		6000rpm	i=1:1	RAPPS 25 121UN44	RAPPS 25 131UN44	25
	90°	ER25 - DIN6499 ER25 - DIN6499	60mm 75mm	6000rpm 6000rpm	i=1:1 i=1:1	RRPPS 25 121UN44 RRPPS 25 321UN44	RRPPS 25 131UN44 RRPPS 25 331UN44	26 26
	90° Double	ER25 - DIN6499 ER25 - DIN6499	60mm 75mm	6000rpm 6000rpm	i=1:1 i=1:1	RRPPT 25 121UN44 RRPPT 25 321UN44		27 27
	±90°	ER16 - DIN6499		6000rpm	i=1:1	ROPPS 16 121UN44	ROPPS 16 131UN44	28
N55	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499 ER32 - DIN6499		6000rpm 6000rpm	i=1:1 i=1:1	RAPPS 25 121UN55 RAPPS 32 121UN55	RAPPS 25 131UN55 RAPPS 32 131UN55	25 25
	90°	ER25 - DIN6499 ER32 - DIN6499 ER25 - DIN6499 ER32 - DIN6499 ER25 - DIN6499 ER32 - DIN6499	55mm 55mm 65mm 65mm 75mm 75mm	6000rpm 6000rpm 6000rpm 6000rpm 6000rpm 6000rpm	i=1:1 i=1:1 i=1:1 i=1:1 i=1:1 i=1:1	RRPPS 25 121UN55 RRPPS 32 121UN55 RRPPS 25 321UN55 RRPPS 32 321UN55 RRPPS 25 421UN55 RRPPS 32 421UN55	RRPPS 25 131UN55 RRPPS 32 131UN55 RRPPS 25 331UN55 RRPPS 32 331UN55 RRPPS 25 431UN55 RRPPS 32 431UN55	26 26 26 26 26 26
	90° Double	ER25 - DIN6499 ER32 - DIN6499 ER25 - DIN6499 ER32 - DIN6499 ER25 - DIN6499 ER32 - DIN6499	55mm 55mm 65mm 65mm 75mm 75mm	6000rpm 6000rpm 6000rpm 6000rpm 6000rpm 6000rpm	i=1:1 i=1:1 i=1:1 i=1:1 i=1:1 i=1:1	RRPPT 25 121UN55 RRPPT 32 121UN55 RRPPT 25 321UN55 RRPPT 32 321UN55 RRPPT 25 421UN55 RRPPT 32 421UN55		27 27 27 27 27 27
	±90°	ER20 - DIN6499		6000rpm	i=1:1	ROPPS 20 121UN55	ROPPS 20 131UN55	28
N65	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER32 - DIN6499		6000rpm	i=1:1	RAPPS 32 121UN65	RAPPS 32 131UN65	25
	90°	ER32 - DIN6499 ER32 - DIN6499	65mm 80mm	6000rpm 6000rpm	i=1:1 i=1:1	RRPPS 32 121UN65 RRPPS 32 321UN65	RRPPS 32 131UN65 RRPPS 32 331UN65	26 26
	90° Double	ER32 - DIN6499 ER32 - DIN6499	65mm 80mm	6000rpm 6000rpm	i=1:1 i=1:1	RRPPT 32 121UN65 RRPPT 32 321UN65		27 27
	±90°	ER25 - DIN6499		6000rpm	i=1:1	ROPPS 25 121UN65	ROPPS 25 131UN65	28

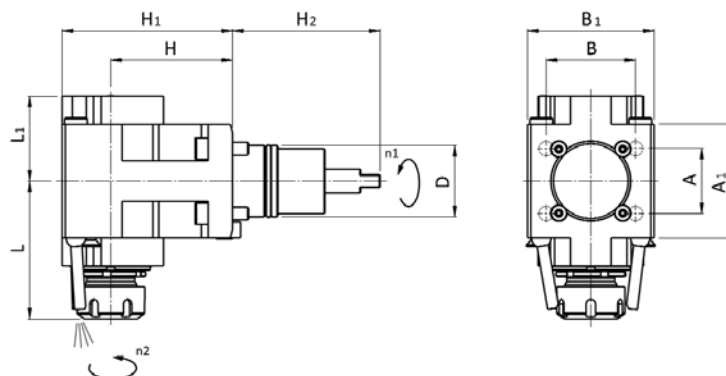


1/N			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
  			RAPPS 25 121UN44	44	25			91	53,5÷57,2	25		55	40	85	60			40	6000	6
			RAPPS 25 121UN55	55	25			108	53,5÷57,2	25		60	50	84	79			63	6000	10
			RAPPS 32 121UN55	55	32			108	68,5÷72,2	32		60	50	84	79			63	6000	10
			RAPPS 32 121UN65	65	32			115,5	74,2÷77,9	38,5		71	69	92	100			63	6000	10

N

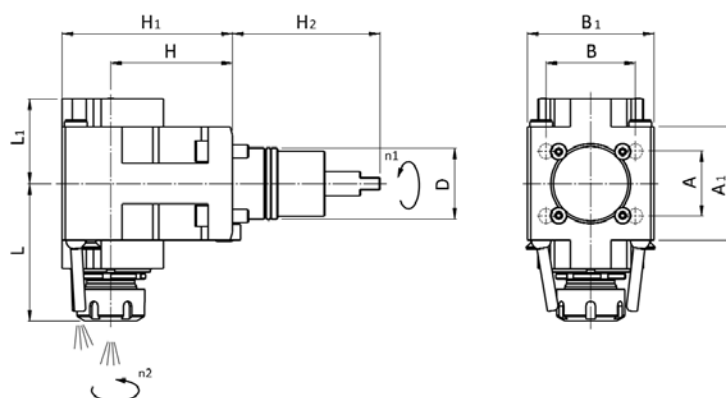


2/N			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
  			RAPPS 25 131UN44	44	25			91	53,5÷57,2	25		55	40	85	60			40	6000	6
			RAPPS 25 131UN55	55	25			108	53,5÷57,2	25		60	50	84	79			63	6000	10
			RAPPS 32 131UN55	55	32			108	68,5÷72,2	32		60	50	84	79			63	6000	10
  			RAPPS 32 131UN65	65	32			115,5	74,2÷77,9	38,5		71	69	92	100			63	6000	10

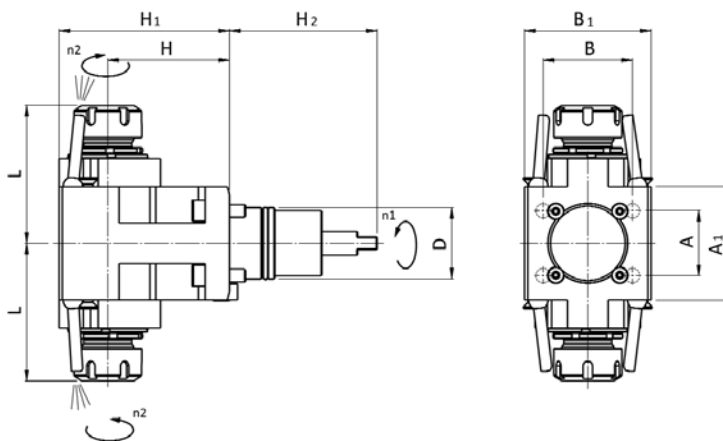


3/N			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°			RRPPS 25 121UN44	44	25	60	90	91	81,2÷84,9	52,2		40	55	70	78			40	6000	6
			RRPPS 25 321UN44	44	25	75	105	91	81,2÷84,9	52,2		40	55	70	78			40	6000	6
			RRPPS 25 121UN55	55	25	55	87	108	82,5÷86,2	57,4		50	60	80	84			63	6000	10
			RRPPS 32 121UN55	55	32	55	87	108	90÷93,7	57,4		50	60	80	84			63	6000	10
			RRPPS 25 321UN55	55	25	65	97	108	82,5÷86,2	57,4		50	60	80	84			63	6000	10
			RRPPS 32 321UN55	55	32	65	97	108	90÷93,7	57,4		50	60	80	84			63	6000	10
			RRPPS 25 421UN55	55	25	75	107	108	82,5÷86,2	57,4		50	60	80	84			63	6000	10
			RRPPS 32 421UN55	55	32	75	107	108	90÷93,7	57,4		50	60	80	84			63	6000	10
			RRPPS 32 121UN65	65	32	65	103	115,5	90,2÷93,9	54,5		69	71	100	92			63	6000	10
			RRPPS 32 321UN65	65	32	80	118	115,5	90,2÷93,9	54,5		69	71	100	92			63	6000	10

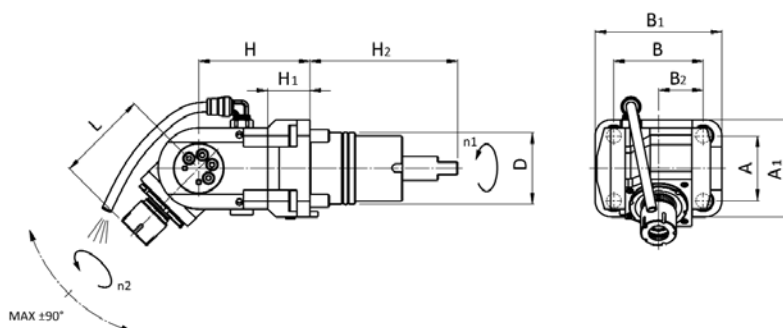
N



4/N			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°			RRPPS 25 131UN44	44	25	60	90	91	81,2÷84,9	52,2		40	55	70	78			40	6000	6
			RRPPS 25 331UN44	44	25	75	105	91	81,2÷84,9	52,2		40	55	70	78			40	6000	6
			RRPPS 25 131UN55	55	25	55	87	108	82,5÷86,2	63,4		50	60	80	84			63	6000	10
			RRPPS 32 131UN55	55	32	55	87	108	90÷93,7	63,4		50	60	80	84			63	6000	10
			RRPPS 25 331UN55	55	25	65	97	108	82,5÷86,2	63,4		50	60	80	84			63	6000	10
			RRPPS 32 331UN55	55	32	65	97	108	90÷93,7	63,4		50	60	80	84			63	6000	10
			RRPPS 25 431UN55	55	25	75	107	108	82,5÷86,2	63,4		50	60	80	84			63	6000	10
			RRPPS 32 431UN55	55	32	75	107	108	90÷93,7	63,4		50	60	80	84			63	6000	10
			RRPPS 32 131UN65	65	32	65	103	115,5	90,2÷93,9	64,5		69	71	100	92			63	6000	10
			RRPPS 32 331UN65	65	32	80	118	115,5	90,2÷93,9	64,5		69	71	100	92			63	6000	10

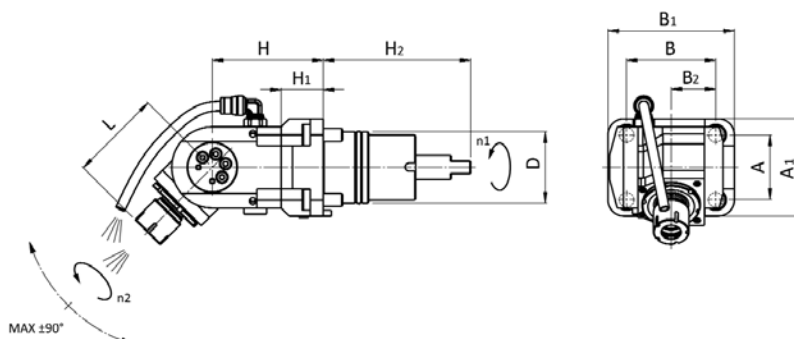


5/N	Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
  	RRPPT 25 121UN44	44	25	60	90	91	81,2÷84,9			40	55	70	78			40	6000	6
	RRPPT 25 321UN44	44	25	75	105	91	81,2÷84,9			40	55	70	78			40	6000	6
	RRPPT 25 121UN55	55	25	55	87	108	82,5÷86,2			50	60	80	84			63	6000	10
	RRPPT 32 121UN55	55	32	55	87	108	90÷93,7			50	60	80	84			63	6000	10
	RRPPT 25 321UN55	55	25	65	97	108	82,5÷86,2			50	60	80	84			63	6000	10
	RRPPT 32 321UN55	55	32	65	97	108	90÷93,7			50	60	80	84			63	6000	10
	RRPPT 25 421UN55	55	25	75	107	108	82,5÷86,2			50	60	80	84			63	6000	10
	RRPPT 32 421UN55	55	32	75	107	108	90÷93,7			50	60	80	84			63	6000	10
	RRPPT 32 121UN65	65	32	65	103	115,5	90,2÷93,9			69	71	100	92			63	6000	10
	RRPPT 32 321UN65	65	32	80	118	115,5	90,2÷93,9			69	71	100	92			63	6000	10



6/N			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 16 121UN44			44	16	68,5	26	91	52,8÷56,5			40	55	60	78		27,5	10	6000	2
	ROPPS 20 121UN55			55	20	71	18	108	48,8÷52,5			50	60	80	84		30	15	6000	3
	ROPPS 25 121UN65			65	25	80	17	115,5	63,5÷67,2			69	71	100	92		35,5	25	6000	4

N



7/N			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 16 131UN44			44	16	68,5	26	91	52,8÷56,5			40	55	60	78		27,5	10	6000	2
	ROPPS 20 131UN55			55	20	71	18	108	48,8÷52,5			50	60	80	84		30	15	6000	3
	ROPPS 25 131UN65			65	25	80	17	115,5	63,5÷67,2			69	71	100	92		35,5	25	6000	4



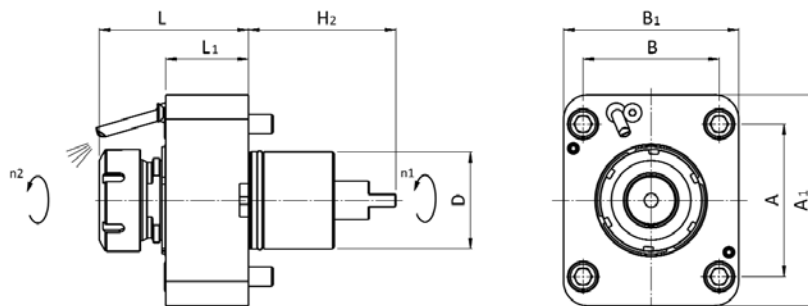
ATTACCO
COUPLING
ACCOUPLEMENT
KUPPLUNG



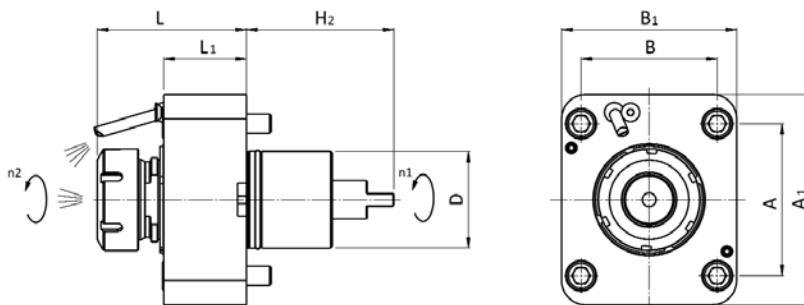
NL

NL	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499		10000rpm	i=1:1	RAPPH 25 221UNL	RAPPH 25 231UNL	31
		ER32 - DIN6499		10000rpm	i=1:1	RAPPH 32 221UNL	RAPPH 32 231UNL	31
		ER40 - DIN6499		10000rpm	i=1:1	RAPPH 40 121UNL	RRPPH 40 131UNL	31
		Ø20mm - DIN1835		10000rpm	i=1:1	RAPWH 20 121UNL	RAPWH 20 131UNL	32
		Ø25mm - DIN1835		10000rpm	i=1:1	RAPWH 25 121UNL	RAPWH 25 131UNL	32
		Ø1" - DIN1835		10000rpm	i=1:1	RAPWH 1" 121UNL	RAPWH 1" 131UNL	32
		Ø22mm - DIN6358		6000rpm	i=1:1	RAPFS 22 121UNL		33
		Ø27mm - DIN6358		6000rpm	i=1:1	RAPFS 27 121UNL		33
	0° Double	ER25 - DIN6499		6000rpm	i=1:1	RAPPTY25 121UNL	RAPPTY 25 131UNL	34
	90°	ER25 - DIN6499	90mm	10000rpm	i=1:1	RRPPH 25 121UNL	RRPPH 25 131UNL	35
		ER32 - DIN6499	90mm	10000rpm	i=1:1	RRPPH 32 121UNL	RRPPH 32 131UNL	35
		ER40 - DIN6499	90mm	10000rpm	i=1:1	RRPPH 40 121UNL	RRPPH 40 131UNL	35
		Ø20mm - DIN1835	90mm	10000rpm	i=1:1	RRPWH 20 121UNL	RRPWH 20 131UNL	36
		Ø25mm - DIN1835	90mm	10000rpm	i=1:1	RRPWH 25 121UNL	RRPWH 25 131UNL	36
		Ø1" - DIN1835	90mm	10000rpm	i=1:1	RRPWH 1" 121UNL	RRPWH 1" 131UNL	36
		ER32 - DIN649	100mm	10000rpm	i=1:1	RRPPAH32 321UNL	RRPPAH32 331UNL	37
		Ø16mm - DIN6358	90mm	6000rpm	i=1:1	RRPFS 16 121UNL		38
		Ø22mm - DIN6358	90mm	6000rpm	i=1:1	RRPFS 22 121UNL		38
		Ø27mm - DIN6358	90mm	6000rpm	i=1:1	RRPFS 27 121UNL		38
	90° Double	ER32 - DIN6499	90mm	10000rpm	i=1:1	RRPPTH32 121UNL		38
		ER40 - DIN6499	90mm	10000rpm	i=1:1	RRPPTH40 121UNL		38
	±90°	ER25 - DIN6499		10000rpm	i=1:1	ROPFH 25 121UNL	ROPFH 25 131UNL	39

NL

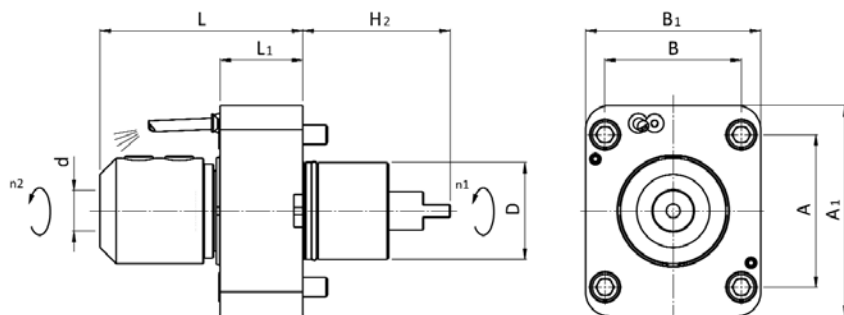


1/NL			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPPH 25 221UNL	60	25			91	81,3÷85	51		94	84	130	108			60	10000	10
			RAPPH 32 221UNL	60	32			91	86,2÷89,9	51		94	84	130	108			60	10000	10
			RAPPH 40 121UNL	60	40			91	88,3÷92	51		94	84	130	108			60	10000	10
																				



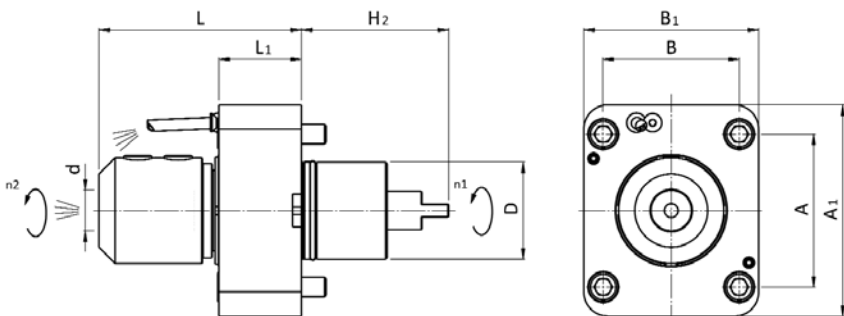
NL

2/NL			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°			RAPPH 25 231UNL	60	25			91	81,3÷85	51		94	84	130	108			60	10000	10
			RAPPH 32 231UNL	60	32			91	86,2÷89,9	51		94	84	130	108			60	10000	10
			RAPPH 40 131UNL	60	40			91	88,3÷92	51		94	84	130	108			60	10000	10
																				

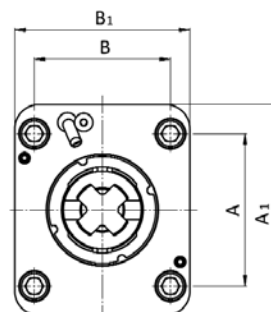
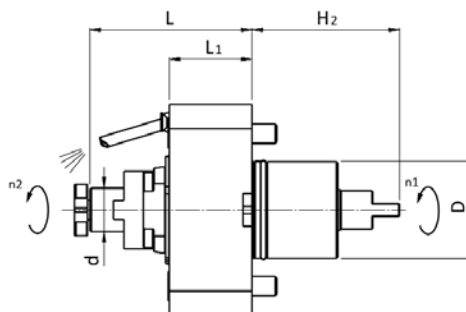


3/NL			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°	 DIN 1835	 +1 (3:1)	RAPWH 20 121UNL	60	Ø 20			91	95	51		94	84	130	108			60	10000	10
			RAPWH 25 121UNL	60	Ø 25			91	125,1	51		94	84	130	108			60	10000	10
			RAPWH 1" 121UNL	60	Ø 1"			91	125	51		94	84	130	108			60	10000	10
 EXTERNAL																				

NL

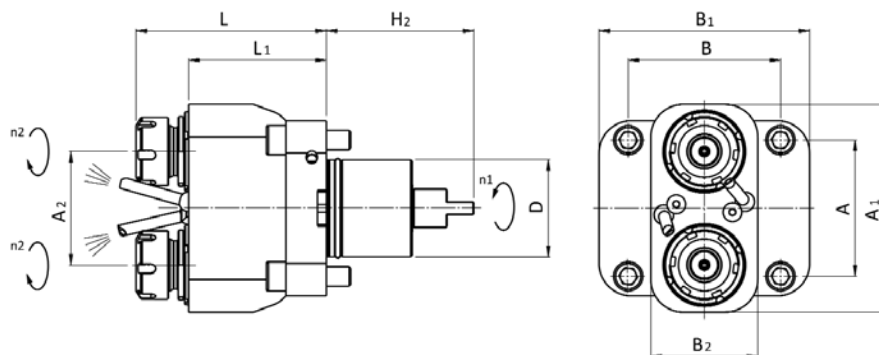


4/NL			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPWH 20 131UNL	60	Ø 20			91	95	51		94	84	130	108			60	10000	10
			RAPWH 25 131UNL	60	Ø 25			91	125,1	51		94	84	130	108			60	10000	10
			RAPWH 1" 131UNL	60	Ø 1"			91	125	51		94	84	130	108			60	10000	10
																				
INT./EXT.	80 bar	Filtration 30µm																		



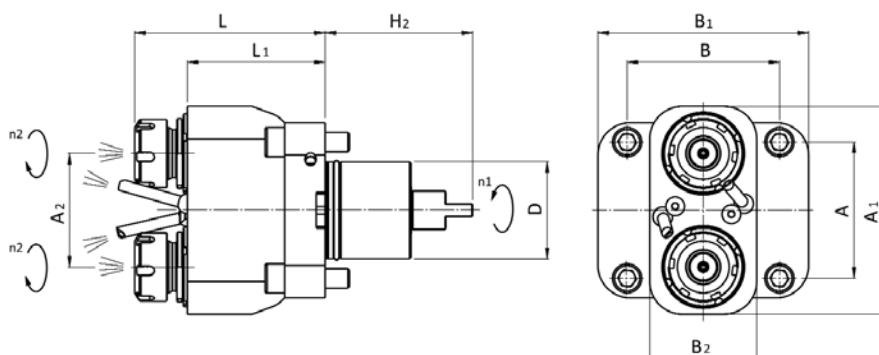
5/NL			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPFS 22 121UNL	60	Ø 22			91	100	51		94	84	130	108			60	6000	10
			RAPFS 27 121UNL	60	Ø 27			91	100	51		94	84	130	108			60	6000	10


EXTERNAL

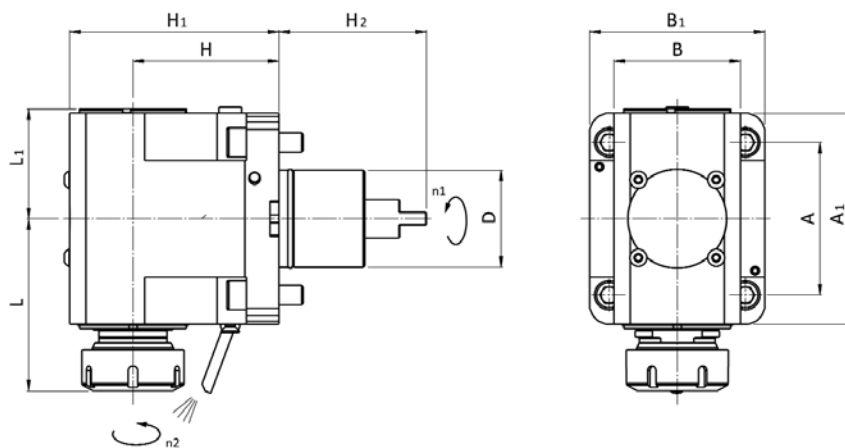


6/NL			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
  			RAPPTY25 121UNL	60	25			91	113,8÷117,5	85		84	94	108	130	70	66	40	6000	10
																				

NL



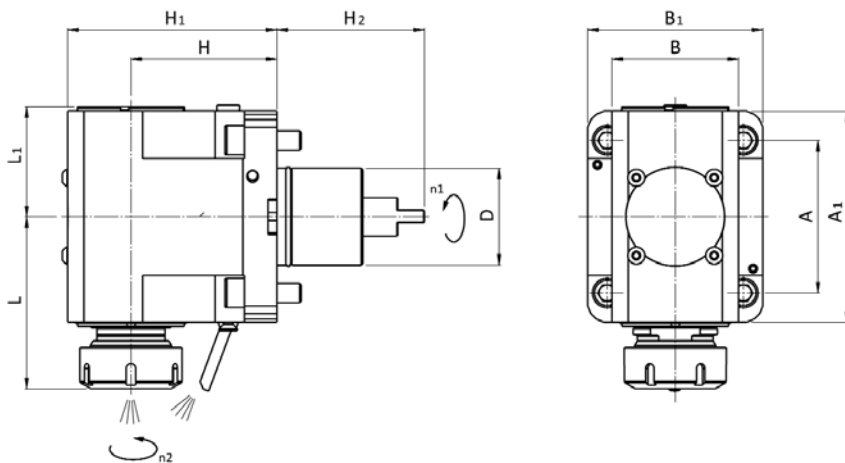
7/NL			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
  			RAPPTY25 131UNL	60	25			91	113,8÷117,5	85		84	94	108	130	70	66	40	6000	10
  																				



8/NL



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
RRPPH 25 121UNL	60	25	90	129	91	95,3÷99	67,7		94	84	130	108			60	10000	10
RRPPH 32 121UNL	60	32	90	129	91	100÷103,9	67,7		94	84	130	108			60	10000	10
RRPPH 40 121UNL	60	40	90	129	91	102,3÷106	67,7		94	84	130	108			60	10000	10

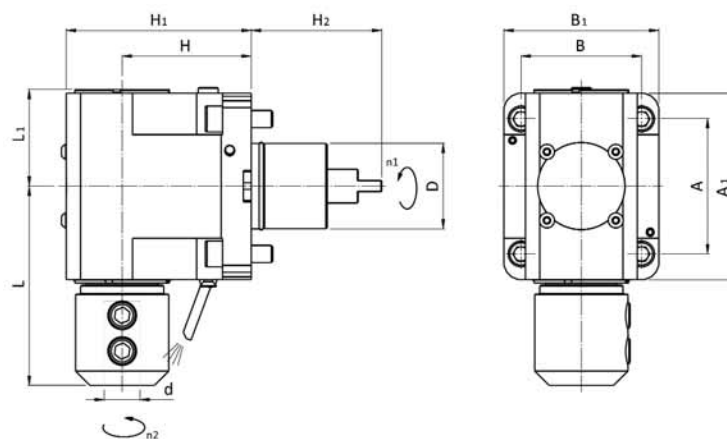


9/NL



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
RRPPH 25 131UNL	60	25	90	129	91	95,3÷99	66,6		94	84	130	108			60	10000	10
RRPPH 32 131UNL	60	32	90	129	91	100÷103,9	66,6		94	84	130	108			60	10000	10
RRPPH 40 131UNL	60	40	90	129	91	102,3÷106	66,6		94	84	130	108			60	10000	10

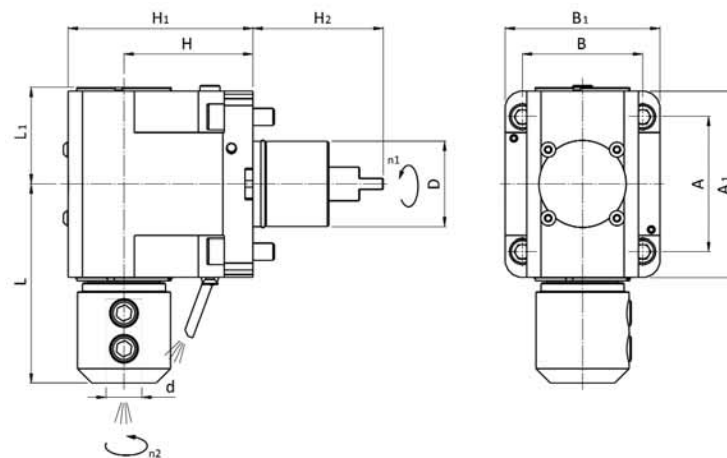
NL



10/NL			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°			RRPWH 20 121UNL	60	Ø 20	90	129	91	109	67,7		94	84	130	108			60	10000	10
			RRPWH 25 121UNL	60	Ø 25	90	129	91	139	67,7		94	84	130	108			60	10000	10
			RRPWH 1" 121UNL	60	Ø 1"	90	129	91	139	67,7		94	84	130	108			60	10000	10

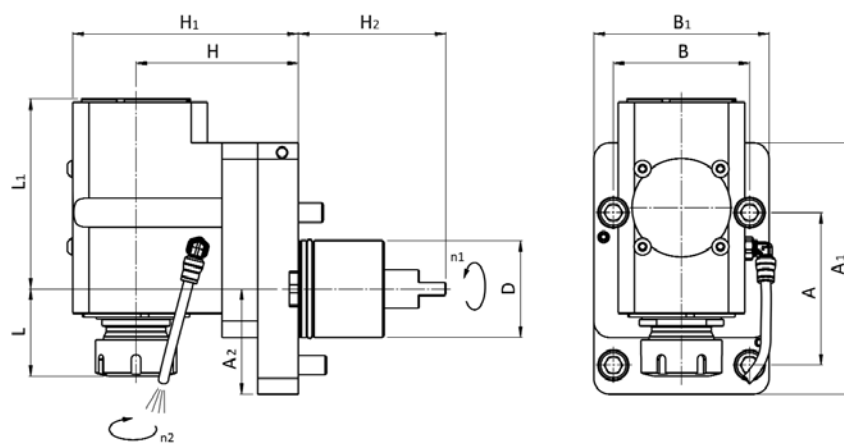


NL



11/NL			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°			RRPWH 20 131UNL	60	Ø 20	90	129	91	109	66,6		94	84	130	108			60	10000	10
			RRPWH 25 131UNL	60	Ø 25	90	129	91	139	66,6		94	84	130	108			60	10000	10
			RRPWH 1" 131UNL	60	Ø 1"	90	129	91	139	66,6		94	84	130	108			60	10000	10

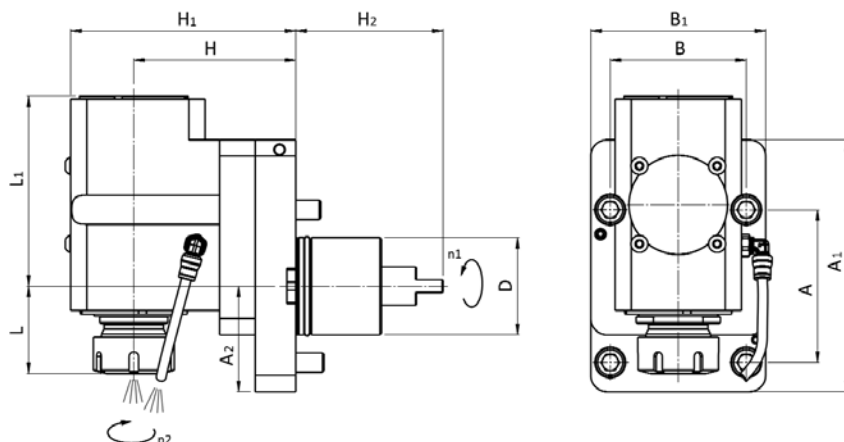




12/NL

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
RRPPAH32 321UNL	60	32	100	139	91	50,2÷53,9	117		94	84	155	108	65		60	10000	10

90°



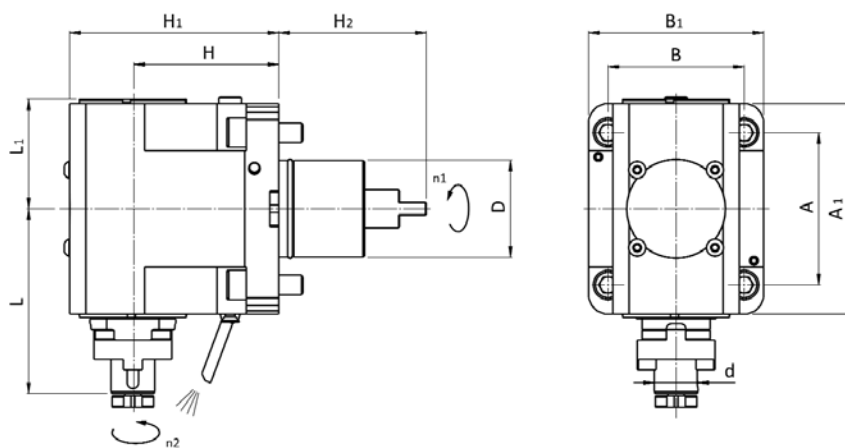
13/NL

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
RRPPAH32 331UNL	60	32	100	139	91	50,2÷53,9	117		94	84	155	108	65		60	10000	10

90°



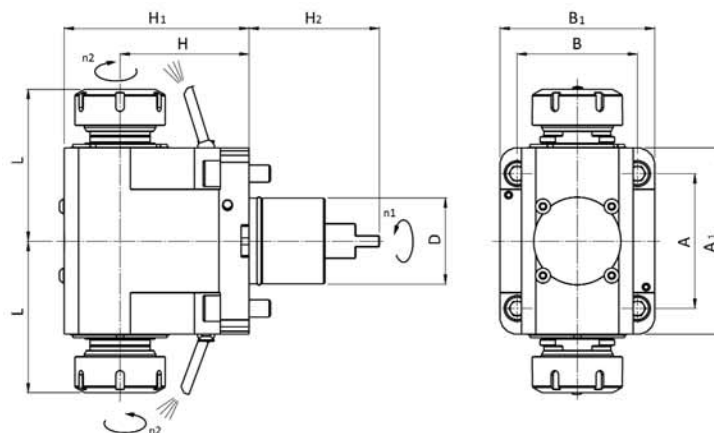
NL



14/NL			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°			RRPFS 16 121UNL	60	Ø 16	90	129	91	110	67,7		94	84	130	108			60	6000	10
			RRPFS 22 121UNL	60	Ø 22	90	129	91	114	67,7		94	84	130	108			60	6000	10
			RRPFS 27 121UNL	60	Ø 27	90	129	91	114	67,7		94	84	130	108			60	6000	10

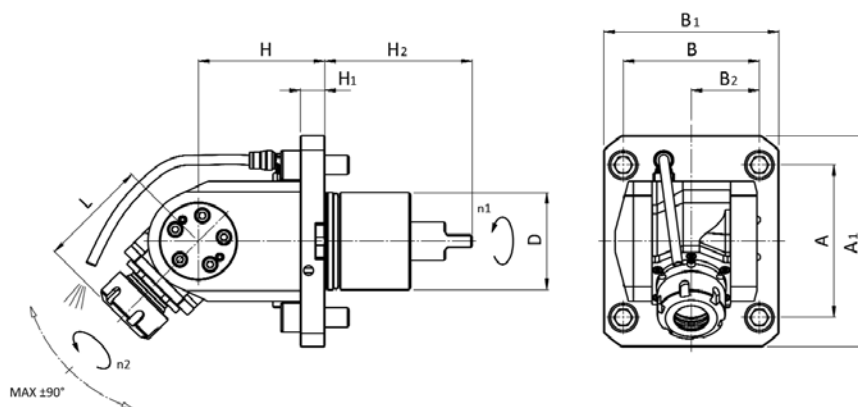


NL



15/NL			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°			RRPPTH32 121UNL	60	32	90	129	91	100÷103,9			94	84	130	108			60	10000	10
			RRPPTH40 121UNL	60	40	90	129	91	102,3÷106			94	84	130	108			60	10000	10

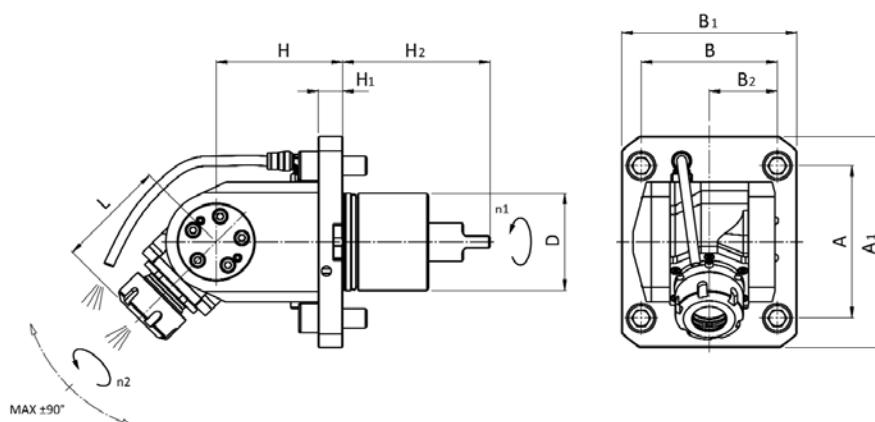




16/NL

Codice code - code - Bestell Nr.	D	ER	H	H ₁	H ₂	L (min-max)	L ₁	L ₂	A	B	A ₁	B ₁	A ₂	B ₂	M ₂ Nm	n ₂ min-1	P kW
ROPPH 25 121UNL	60	25	78	15	91	63,5÷67,2			94	84	130	108		42	25	10000	4

±90°



17/NL

Codice code - code - Bestell Nr.	D	ER	H	H ₁	H ₂	L (min-max)	L ₁	L ₂	A	B	A ₁	B ₁	A ₂	B ₂	M ₂ Nm	n ₂ min-1	P kW
ROPPH 25 131UNL	60	25	78	15	91	63,5÷67,2			94	84	130	108		42	25	10000	4

±90°



NL

NL

NZ

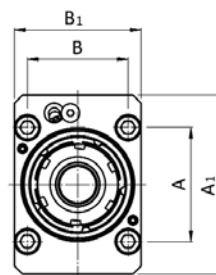
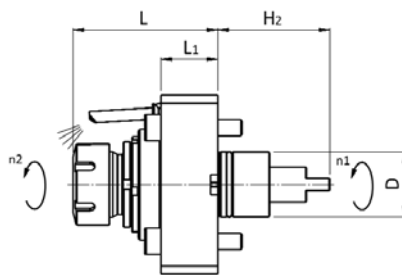
ATTACCO
COUPLING
ACCOUPLEMENT
KUPPLUNG



NZ

NZ	Version	Tools Clamping	Center Height	Max. speed	Ratio	External	Internal	Page
	0°	ER25 - DIN6499		12000rpm	i=1:1	RAPPS 25 121UNZ	RAPPS 25 131UNZ	43
		ER32 - DIN6499		12000rpm	i=1:1	RAPPS 32 121UNZ	RAPPS 32 131UNZ	43
		Ø22mm - DIN6358		12000rpm	i=1:1	RAPFS 22 121UNZ		44
		Ø16mm - DIN1835		12000rpm	i=1:1	RAPWS 16 121UNZ		44
	0° Double	ER20 - DIN6499		6000rpm	i=1:1	RAPPTY20 121UNZ	RAPPTY20 131UNZ	45
	90°	ER25 - DIN6499	85mm	12000rpm	i=1:1	RRPPS 25 121UNZ	RRPPS 25 131UNZ	46
		ER32 - DIN6499	85mm	12000rpm	i=1:1	RRPPS 32 121UNZ	RRPPS 32 131UNZ	46
		ER25 - DIN6499	125mm	12000rpm	i=1:1	RRPPA 25 421UNZ	RRPPA 25 431UNZ	47
		ER32 - DIN6499	125mm	12000rpm	i=1:1	RRPPA 32 421UNZ	RRPPA 32 431UNZ	47
		Ø22mm - DIN6358	85mm	12000rpm	i=1:1	RRPFS 22 121UNZ		48
		Ø16mm - DIN1835	85mm	12000rpm	i=1:1	RRPWS 16 121UNZ		48
	90° Double	ER25 - DIN6499	85mm	12000rpm	i=1:1	RRPPT 25 121UNZ		49
		ER32 - DIN6499	85mm	12000rpm	i=1:1	RRPPT 32 121UNZ		49
		ER25 - DIN6499	125mm	12000rpm	i=1:1	RRPPTA25 421UNZ		49
		ER32 - DIN6499	125mm	12000rpm	i=1:1	RRPPTA32 421UNZ		49
	±90°	ER20 - DIN6499		12000rpm	i=1:1	ROPPS 20 121UNZ	ROPPS 20 131UNZ	50

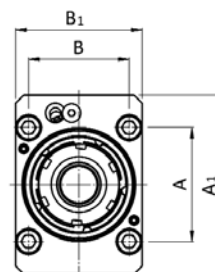
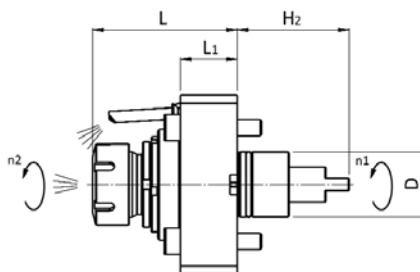
NZ



1/NZ			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°			RAPPS 25 121UNZ	40	25			69	80,6÷84,3	35		70	62	110	78			50	12000	7,5
			RAPPS 32 121UNZ	40	32			69	85,5÷89,2	35		70	62	110	78			50	12000	7,5





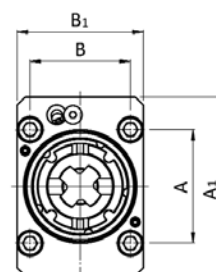
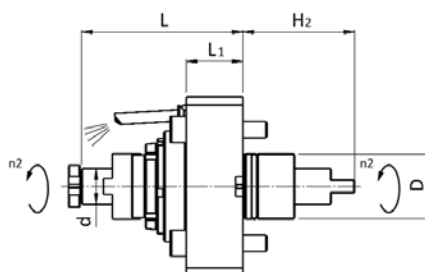



2/NZ			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPPS 25 131UNZ	40	25			69	80,6÷84,3	35		70	62	110	78			50	12000	7,5
			RAPPS 32 131UNZ	40	32			69	85,5÷89,2	35		70	62	110	78			50	12000	7,5

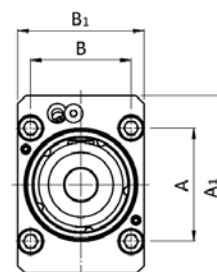
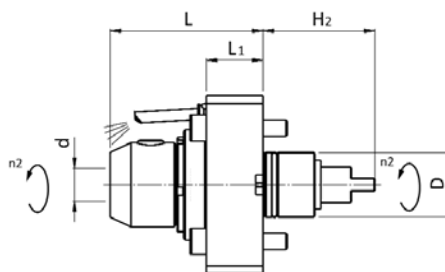




NZ

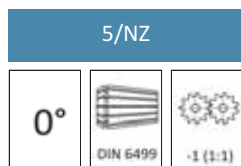
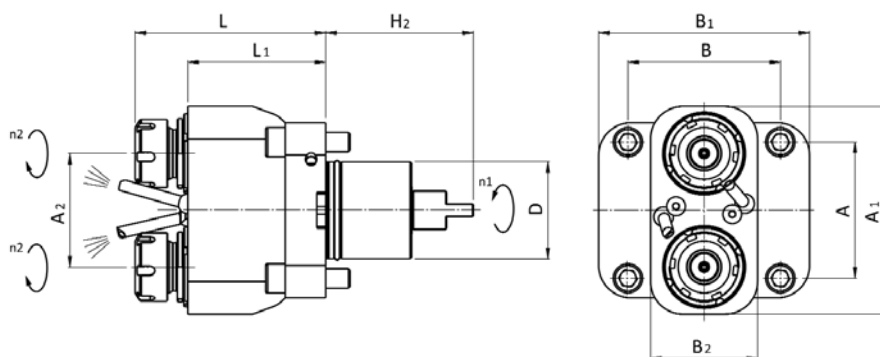


3/NZ			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPFS 22 121UNZ	40	Ø 22			69	100	35		70	62	110	78			50	12000	7,5
  +1 (3:1)																				
 EXTERNAL																				

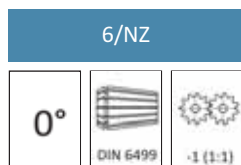
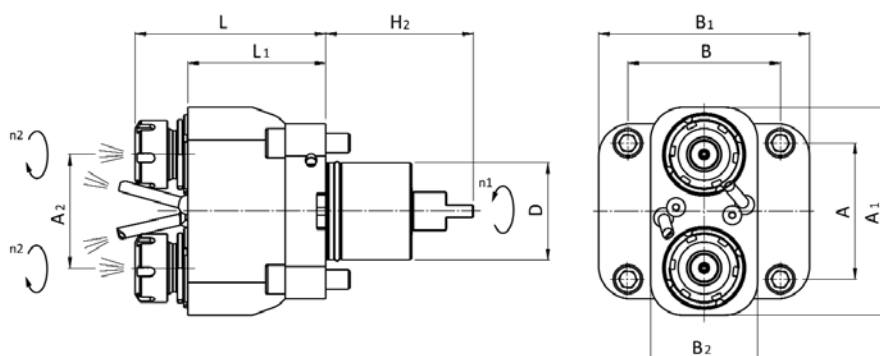


4/NZ			Codice code - code - Bestell Nr.	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPWS 16 121UNZ	40	Ø 16			69	90	35		70	62	110	78			50	12000	7,5
  +1 (1:1)																				
 EXTERNAL																				

NZ

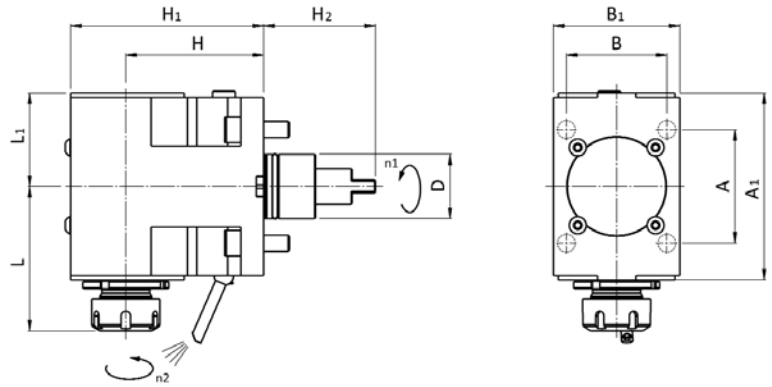


Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RAPPTY20 121UNZ	40	20			69	87,8÷91,5	70		62	70	105	95	60	61,5	30	6000	5,5

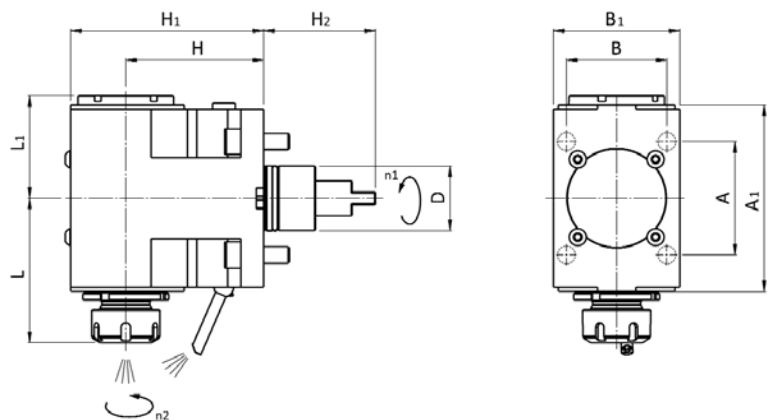


Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RAPPTY20 131UNZ	40	20			69	87,8÷91,5	70		62	70	105	95	60	61,5	30	6000	5,5

NZ

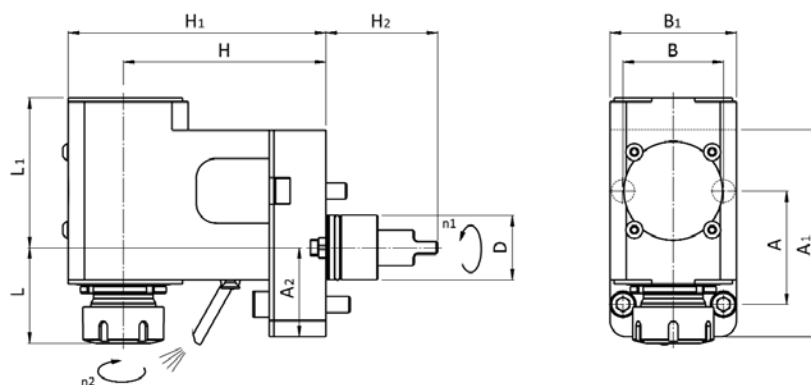


7/NZ			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°			RRPPS 25 121UNZ	40	25	85	119	69	85,3÷89	57,5		70	62	110	78			50	12000	7,5
			RRPPS 32 121UNZ	40	32	85	119	69	90,3÷94	57,5		70	62	110	78			50	12000	7,5
																				



8/NZ			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°			RRPPS 25 131UNZ	40	25	85	119	69	85,3÷89	63,4		70	62	110	78			50	12000	7,5
			RRPPS 32 131UNZ	40	32	85	119	69	90,3÷94	63,4		70	62	110	78			50	12000	7,5
																				

NZ



9/NZ

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
40	25	125	69	159	50,4÷54,1	92,5		70	62	127,5	78	55		50	12000	7,5
40	32	125	69	159	55,3÷59	92,5		70	62	127,5	78	55		50	12000	7,5

RRPPA 25 421UNZ

RRPPA 32 421UNZ

90°



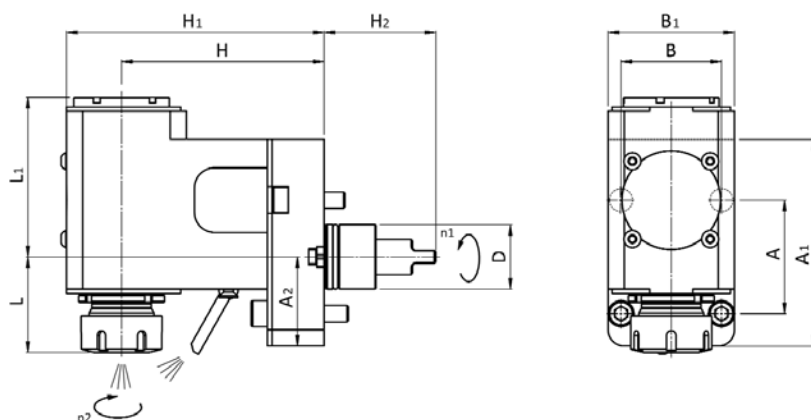
DIN 6499



+1 (1:1)



EXTERNAL



10/NZ

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
40	25	125	69	159	50,4÷54,1	98,4		70	62	127,5	78	55		50	12000	7,5
40	32	125	69	159	55,3÷59	98,4		70	62	127,5	78	55		50	12000	7,5

RRPPA 25 431UNZ

RRPPA 32 431UNZ

90°



DIN 6499



+1 (1:1)



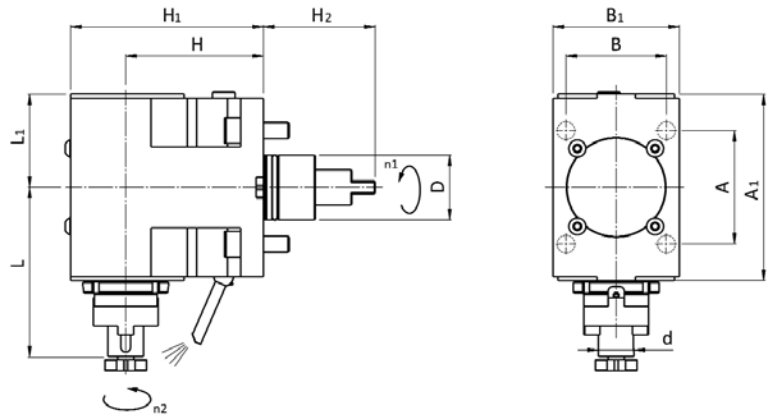
INT./EXT.



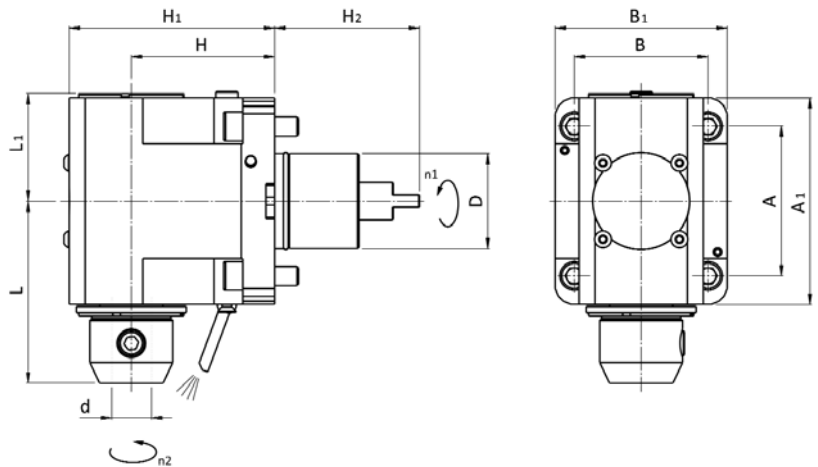
100 bar


Filtration
30µm

NZ

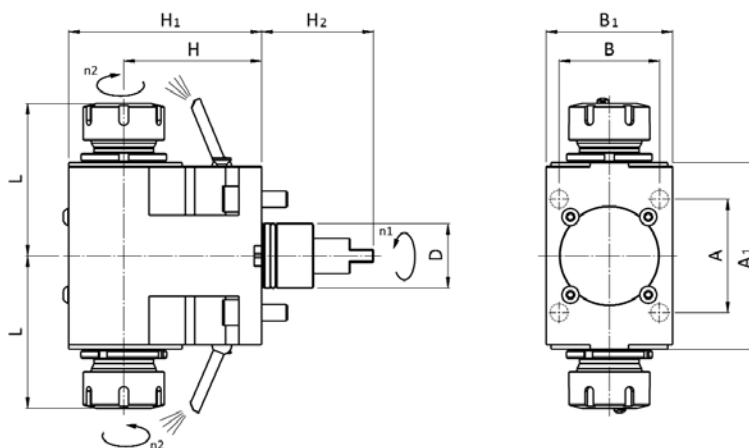


11/NZ			Codice	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
			code - code - Bestell Nr.															Nm	min-1	kW
90°			RRPFS 22 121UNZ	40	Ø 22	85	119	69	104,6	57,5		70	62	110	78			50	12000	7,5
 																				
																				



12/NZ			Codice	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
			code - code - Bestell Nr.															Nm	min-1	kW
90°			RRPWS 16 121UNZ	40	Ø 16	85	119	69	98	57,5		70	62	110	78			50	12000	7,5
 																				
																				

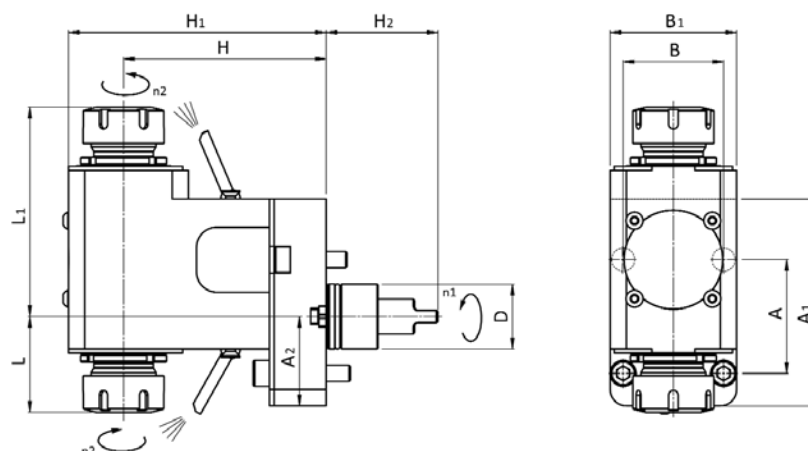
NZ



13/NZ

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 121UNZ	40	25	85	119	69	85,3÷89			70	62	110	78			50	12000	7,5
RRPPT 32 121UNZ	40	32	85	119	69	90,3÷94			70	62	110	78			50	12000	7,5

90°

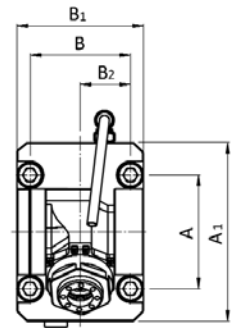
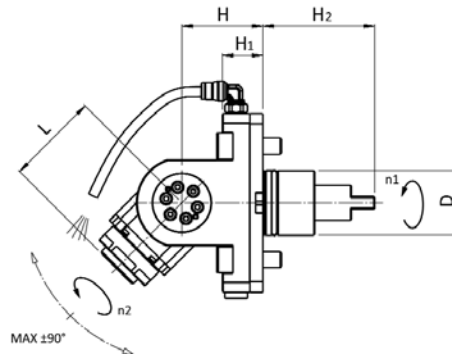


14/NZ

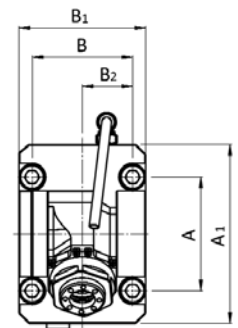
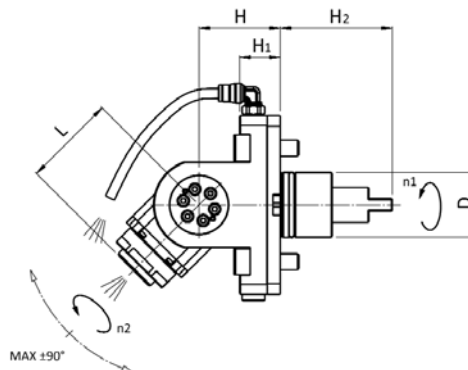
Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1 (min-max)	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
RRPPTA25 421UNZ	40	25	125	69	159	50,4÷54,1	120,4÷124,1	70	62	127,5	78	55		50	12000	7,5
RRPPTA32 421UNZ	40	32	125	69	159	55,3÷59	125,3÷129	70	62	127,5	78	55		50	12000	7,5

90°


NZ



15/NZ			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 +1 (1:1)			ROPSS 20 121UNZ	40	20	50	25	69	53,4+57,1			70	62	110	78			17	12000	5,5
EXTERNAL																				



16/NZ			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 +1 (1:1)			ROPSS 20 131UNZ	40	20	50	25	69	53,4+57,1			70	62	110	78			17	12000	5,5
INT./EXT. 100 bar Filtration 30µm																				

NZ

ACS

ACCESSORI
COMPONENTS
ACCESSOIRES
ZUBEHÖR



TEST RAPID



TEST RAPID

Montaggio
Handling - Maniement - Handhabung

Preparare il rotante: togliere pinza e ghiera di serraggio

- Introdurre l'adattatore (1)
- Chiudere leggermente le viti di chiusura (2)

Preparing the spindle unit: Remove collet and clamping nut.

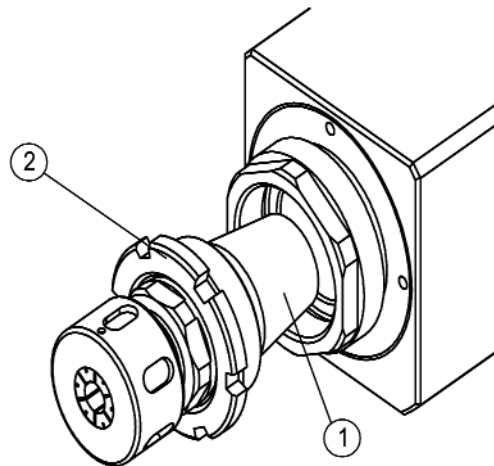
- Adapter (1) einführen.
- Spannmutter (2) anziehen.

Préparer l'unité broche: Pince de serrage et écrou de serrage enlever.

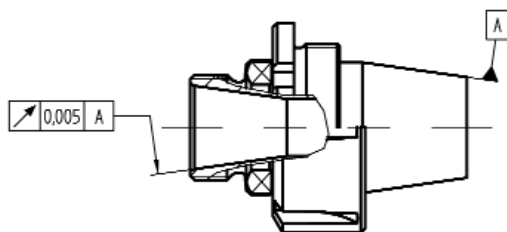
- Introduire l'adaptateur (1).
- Serrer légèrement le vis de serrage (2).

Vorbereiten des Spindelkopfes: Spannzange und Spannmutter entfernen.

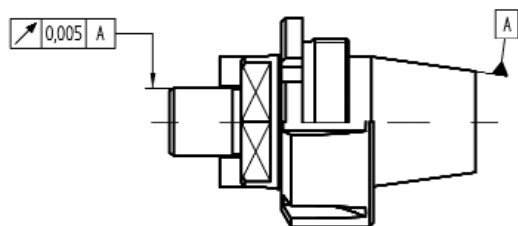
- Import adapter (1).
- Tighten clamping nut (2).



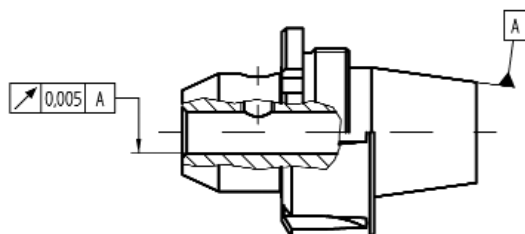
TEST RAPID

Caratteristiche tecniche: precisione e concentricità - Technische Merkmale: Rundlaufgenauigkeit
Technical Information: true running accuracy - Technical characteristics: Précision de concentricité


- Portapinza
- Collet chuck
- Pince de serrage
- Spannzangenaufnahme

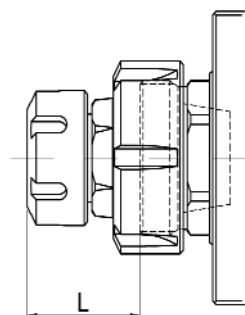


- Portafresa
- Shell end mill cutter
- Fraises enfichables
- Fräseraufnahme



- Mandrino di chiusura per codolo cilindrico
- Clamping chuck for round shaft dia
- Mandrin de serrage pour la queue cylindrique
- Spannfutter für Zylinderschäfte

TEST RAPID

Portapinze ghiera esterna
Outer collet nut - Écrou de serrage extérieur - Außenliegende


ER PORTAUTENSILE Driven tools	Codice - code - code - Bestell Nr.	L mm	ER TEST RAPID
ER20	RTE ER20-ER16	31,0	ER16
	RTE ER20-ER20	35,0	ER20
ER25	RTE ER25-ER16	35,0	ER16
	RTE ER25-ER20	36,0	ER20
ER32	RTE ER25-ER25	39,0	ER25
	RTE ER32-ER16	36,0	ER16
	RTE ER32-ER20	37,5	ER20
	RTR ER32-ER25	44,0	ER25
	RTE ER32-ER32	44,0	ER32
ER40	RTE ER40-ER16	34,0	ER16
	RTE ER40-ER20	38,0	ER20
	RTE ER40-ER25	39,5	ER25
	RTE ER40-ER32	41,5	ER32
	RTE ER40-ER40	43,0	ER40



ER PORTAUTENSILE Driven tools	Codice - code - code - Bestell Nr.	L mm	Ø TEST RAPID
ER25	RTE ER25-PF16	34,0	DIN6358-16
ER32	RTE ER32-PF16	34,0	DIN6358-16
ER40	RTE ER40-PF16	35,0	DIN6358-16

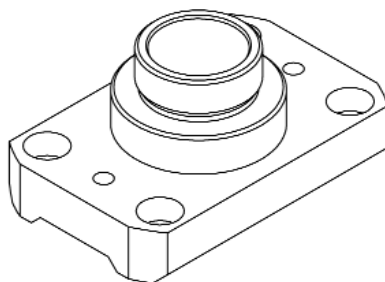


ER PORTAUTENSILE Driven tools	Codice - code - code - Bestell Nr.	L mm	WELDON TEST RAPID
ER20	RTE ER20-PW10	37,0	DIN1835 - B10
ER25	RTE ER25-PW10	34,0	DIN1835 - B10
	RTE ER25-PW12	38,0	DIN1835 - B12
ER32	RTE ER25-PW16	40,0	DIN1835 - B16
	RTE ER32-PW10	38,5	DIN1835 - B10
	RTE ER32-PW12	41,0	DIN1835 - B12
	RTE ER32-PW16	46,5	DIN1835 - B16
	RTE ER32-PW20	50,0	DIN1835 - B20
ER40	RTE ER40-PW10	32,0	DIN1835 - B10
	RTE ER40-PW12	41,0	DIN1835 - B12
	RTE ER40-PW16	45,0	DIN1835 - B16
	RTE ER40-PW20	43,0	DIN1835 - B20
	RTE ER40-PW25	47,0	DIN1835 - B25



TEST RAPID

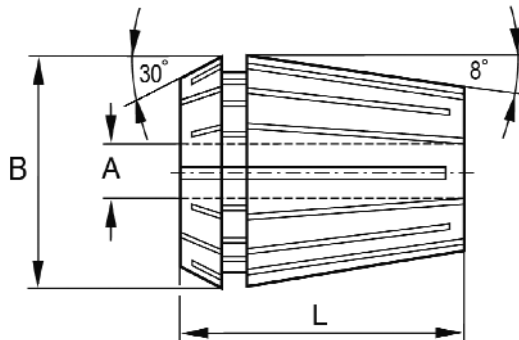
Acessori per presetting
Fitting device - Dispositif de montage - Montagevorrichtung



ER PORTAUTENSILE Driven tools	Codice - code - code - Bestell Nr.
ER20	RYE-ER20
ER25	RYE-ER25
ER32	RYE-ER32
ER40	RYE-ER40

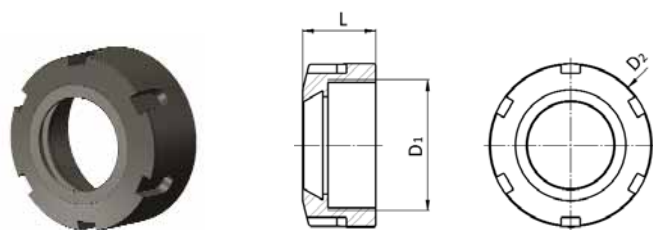
Accessori

Pinze di precisione autoestraibili secondo din 6499/b, tipo er/ex
precision autoextractable collets to din 6499/b, type er/ex
pinces de précision autoextraibles selon din 6499/b, type er/ex
ausziehbare präzisionsspannzangen nach din 6499/b, typ er/ex



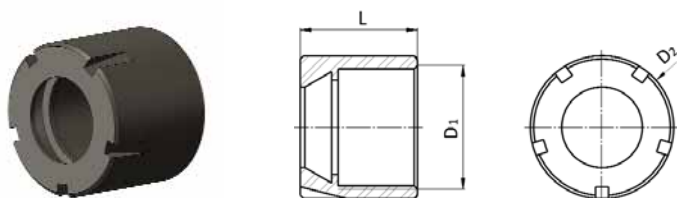
Codice - code - code - Bestell Nr.	A	B mm	L mm	Note - Notes - Notes - Bemerkungen
E4-1 16/*	1÷10	17	27	Ø A aumenta di 0,5 mm per Ø A da 1 a 3 mm. Aumenta di 1 mm per Ø A oltre 3 mm. La capacità di serraggio è pari all'incremento. Ø A increases 0,5 mm for Ø A from 1 to 3 mm. It increases 1 mm for Ø A over 3 mm. Clamping capacity corresponds to diameter increase. Ø A augmente 0,5 mm pour Ø A de 1 à 3 mm. Ø A augmente 1 mm pour A après 3 mm. La capacité de serrage correspond à l'augmentation. Ø A steigt 0,5 mm für Ø A von 1 bis 3 mm. Er steigt 1 mm für A über 3 mm. Die Klemmfähigkeit entspricht der Zunahme.
E4-1 20/*	1÷13	21	31	
E4-1 25/*	1÷16	26	35	
E4-1 32/*	2,5÷20	33	40	
E4-1 40/*	3÷26	41	49	Ø A aumenta 1 mm per volta. La capacità di serraggio è pari all'incremento. Ø A increases 1 mm every time. Clamping capacity corresponds to diameter increase. Ø A augmente 1 mm chaque fois. La capacité de serrage correspond à l'augmentation. Ø A steigt von 1 mm jedesmal. Die Klemmfähigkeit entspricht der Zunahme.

N.B.: Indicare sull'ordine il codice e il Ø A(*) Es.: E4-1 20/1,5
When ordering please, give code and Ø A(*) Ex.: E4-1 20/1,5
À la commande spécifier code et Ø A(*) Ex.: E4-1 20/1,5mm
Bestellfalle Code und Ø A(*) angeben z.B.: E4-1 20/1,5



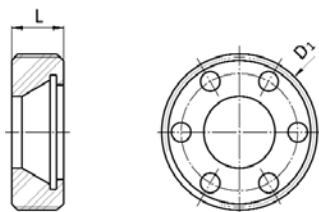
Ghiera Standard	Codice code - code - Bestell Nr.	D1	D2	L	ER
	RG16 QZ	M22x1,5	Ø32	17,5	16
	RG20 QZ	M25x1,5	Ø35	19	20
	RG25 QZ	M32x1,5	Ø42	20	25
	RG32 QZ	M40x1,5	Ø50	23	32
	RG40 QZ	M50x1,5	Ø63	25	40
	RG50 QZ	M64x2,0	Ø78	35,5	50

Chiave	Codice code - code - Bestell Nr.
	RE16 QZ
	RE20 QZ
	RE25 QZ
	RE32 QZ
	RE40 QZ
	RE50 QZ



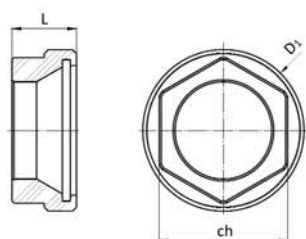
Ghiera Mini	Codice code - code - Bestell Nr.	D1	D2	L	ER
	RG16 LZ	M19x1	Ø22	18	16
	RG20 LZ	M24x1	Ø28	19	20

Chiave	Codice code - code - Bestell Nr.
	RE16 MZ
	RE20 MZ



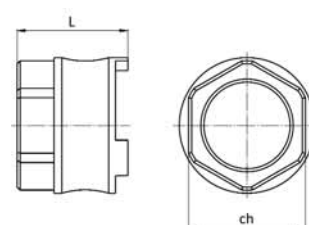
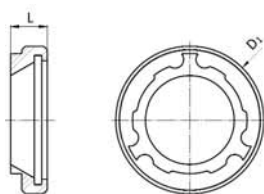
Ghiera con fori frontali	Codice code - code - Bestell Nr.	D1	D2	L	ER
RG16 GZ		M24x1		8	16
RG20 GZ		M28x1,5		11	20
RG25 GZ		M32x1,5		12	25
RG32 GZ		M40x1,5		14	32

Chiave	Codice code - code - Bestell Nr.
	RE16 HZ
	RE20 HZ
	RE25 HZ
	RE32 HZ



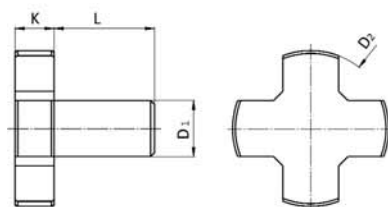
Ghiera esagonale	Codice code - code - Bestell Nr.	D1	ch	L	ER
RG16 CZ		M24x1	19	12	16
RG20 CZ		M28x1,5	22	13	20
RG25 CZ		M32x1,5	27	16,5	25
RG32 CZ		M40x1,5	32	19	32
RG40 CZ		M50x1,5	42	17	40

Chiave	Codice code - code - Bestell Nr.
	RE16 DZ
	RE20 DZ
	RE25 DZ
	RE32 DZ
	RE40 DZ



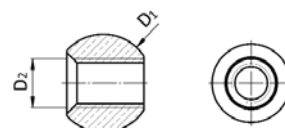
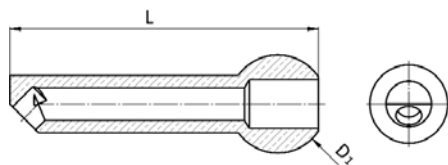
Ghiera a settori frontali	Codice code - code - Bestell Nr.	D1	D2	L	ER
RG16 ZZ		M24x1		6,5	16
RG20 ZZ		M28x1,5		6,5	20
RG25 ZZ		M32x1,5		7	25
RG32 ZZ		M40x1,5		7,5	32
RG40 ZZ		M50x1,5		10	40

Avvitatore (compreso)	ch	L
	19	18
	22	19
	27	20
	30	21
	36	24



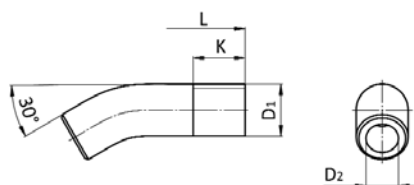
Vite di chiusura (DIN6367)	Codice code - code - Bestell Nr.	D1	D2	L	K
RG16 XZ		M8	Ø20	16	6
RG22 XZ		M10	Ø28	18	7
RG27 XZ		M12	Ø35	22	8

Chiave	Codice code - code - Bestell Nr.
	RE16 XZ
	RE22 XZ
	RE27 XZ



Ugello di refrigerazione	Codice code - code - Bestell Nr.	D1	D2	L	ER
	RZ12-18	Ø12		18	
	RZ12-38	Ø12		38	
	RZ12-49	Ø12		49	

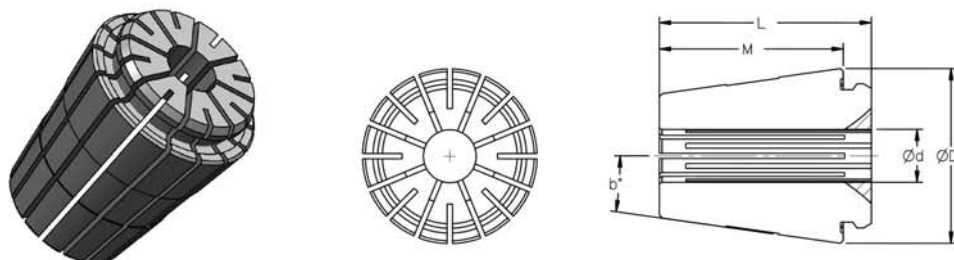
Ugello di refrigerazione	Codice code - code - Bestell Nr.	D1	D2
	Z3 30/40	Ø10	M5
	Z3 40/50	Ø12	M6



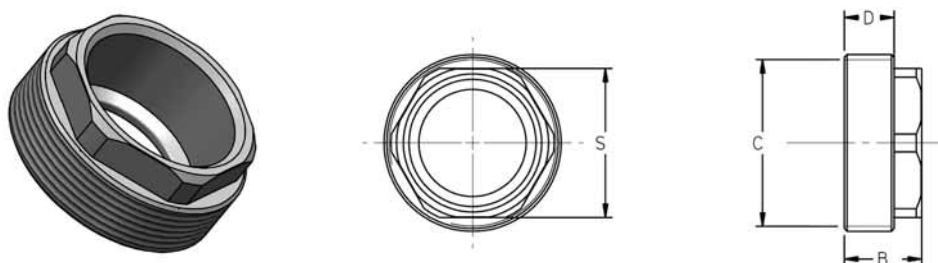
Kit n°12 prolunghe per ugello di refrigerazione	Codice code - code - Bestell Nr.	D1	D2	L	K
	Z1-5	M5	Ø3	25	5
	Z1-8	M8	Ø5	30	8

Pinze e Ghiere ETS

Prodotto esclusivo di Tecnopinz SA, brevettato a livello mondiale, combina la precisione derivata dal massimo accoppiamento con il cono mandrino ai benefici dell'elasticità ottimale, facendone un punto di riferimento per precisione e durata di vita. Totalmente compatibili con tutti i sistemi di portautensile tipo ER, le pinze e ghiera ETS offrono i migliori valori di concentricità sul mercato.

ETS COLLETS


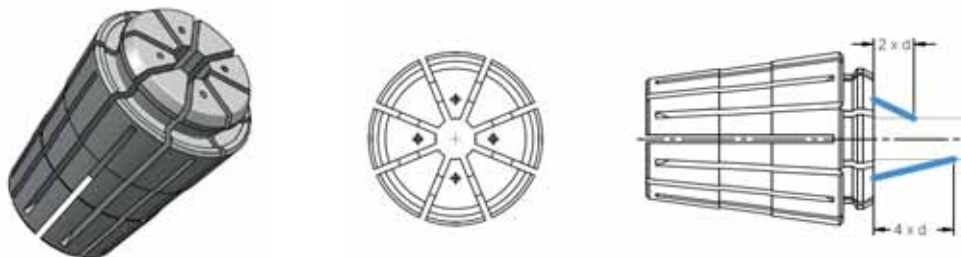
Tipo - Type - Typ	Ød	ØD	Diametro Serraggio Clamping Range Spann Bereich	L	M	b°
E4-1 ETS 16	1.25-2.50	16.40	0.25	24.00	21.00	8°
	3.00-4.00	16.70	0.50			
	5.00-10.00	17.00	1.00			
E4-1 ETS 20	1.00-2.50	20.40	0.25	30.50	26.70	8°
	3.00-4.00	20.70	0.50	30.50	26.70	
	5.00-12.00	21.10	1.00	30.50	26.70	
	13.00	21.10	1.00	27.50	23.70	
E4-1 ETS 25	1.00-2.50	25.30	0.25	34.00	29.40	8°
	3.00-4.00	25.70	0.50			
	5.00-16.00	26.10	1.0			
E4-1 ETS 32	1.50-3.00	32.40	0.50	40.00	34.70	8°
	4.00-20.00	33.10	1.00			

ETS-X NUTS


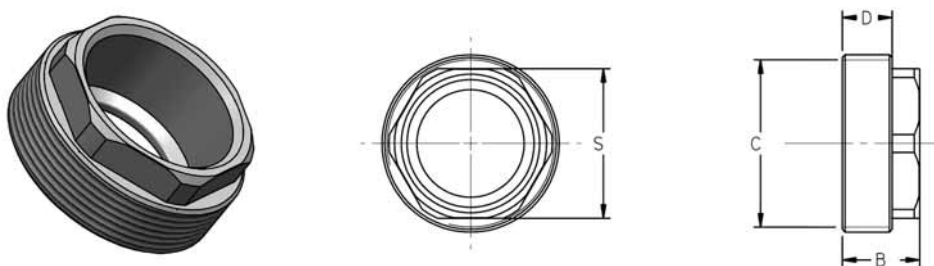
Tipo - Type - Typ	B	C	D	S		
RG ETS 16-X	12.00	M24X1.00	7.00	21		
RG ETS 20-X	13.00	M28X1.50	8.00	25		
RG ETS 25-X	14.00	M32X1.50	9.00	27		
RG ETS 32-X	15.00	M40X1.50	10.00	35		

Pinza ETS Spray

Questa versione offre le medesime caratteristiche e vantaggi della pinza ETS standard e, grazie a 4 fori passanti, garantisce inoltre l'irrorazione diretta del liquido di raffreddamento sull'utensile in lavorazione.

ETS SPRAY COLLETS


Tipo - Type - Typ	Ød	ØD	Diametro Serraggio Clamping Range Spann Bereich	L	M	b°
E4-1 ETS 12-S	3.00-7.00	11.40 11.70	0,25 0.50	17.00	14.20	8°
E4-1 ETS 14-S	1.25-2.50 3.00-8.00	14.35 14.55	0.25 0.50	20.50	17.50	8°
E4-1 ETS 16-S	1.25-2.50 3.00-4.00 5.00-10.00	16.40 16.70 17.00	0.25 0.50 1.00	24.00	21.00	8°
E4-1 ETS 20-S	1.00-2.50 3.00-4.00 5.00-12.00 13.00	20.40 20.70 21.10 21.10	0.25 0.50 1.00 1.00	30.50 30.50 30.50 27.50	26.70 26.70 26.70 23.70	8°
E4-1 ETS 25-S	1.00-2.50 3.00-4.00 5.00-16.00	25.30 25.70 26.10	0.25 0.50 1.00	34.00	29.40	8°
E4-1 ETS 32-S	1.50-3.00 4.00-20.00	32.40 33.10	0.50 1.00	40.00	34.70	8°
E4-1 ETS 40-S	4.00-26.00	41.10	1.00	45.00	39.60	8°

ETS-X NUTS


Tipo - Type - Typ	B	C	D	S		
RG ETS 16-X	12.00	M24X1.00	7.00	21		
RG ETS 20-X	13.00	M28X1.50	8.00	25		
RG ETS 25-X	14.00	M32X1.50	9.00	27		
RG ETS 32-X	15.00	M40X1.50	10.00	35		

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