

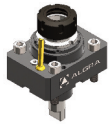




DuraTurn 2050 MC
DuraTurn 2550 MC
NL / NLX 1500 - 20 station
NL / NLX 2000 - 20 station
NL / NLX 2500 - 20 station
NT / NTX 1000
NT / NTX 2000
NT 3000 / 3100 / 3150 / 3200
NZ / NZX 1500
NZ / NZX 2000
NZ / NZX 2500 - 16 station
ALX 1500-2000-2500 MC/Y/SY

Toolholder Program









NZ

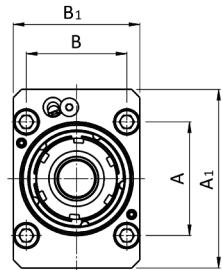
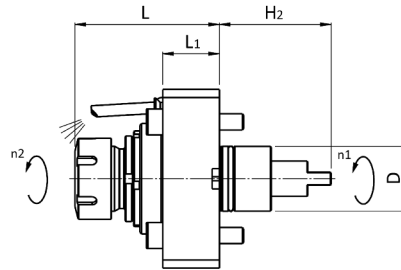
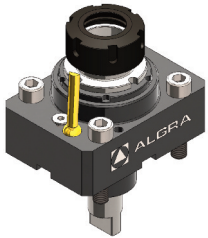





DuraTurn 2050 MC
 DuraTurn 2550 MC
 NL / NLX 1500 - 20 station
 NL / NLX 2000 - 20 station
 NL / NLX 2500 - 20 station
 NT / NTX 1000
 NT / NTX 2000
 NT 3000 / 3100 / 3150 / 3200
 NZ / NZX 1500
 NZ / NZX 2000
 NZ / NZX 2500 - 16 station
 ALX 1500-2000-2500 MC/Y/SY

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	4
		ER32 - DIN6499		12000rpm	i=1:1	RAPPS 32 121UNZ	RAPPS 32 131UNZ	4
		Ø22mm - DIN6358		12000rpm	i=1:1	RAPFS 22 121UNZ		5
		Ø16mm - DIN1835		12000rpm	i=1:1	RAPWS 16 121UNZ		5
	0° Double	ER20 - DIN6499		6000rpm	i=1:1	RAPPTY20 121UNZ	RAPPTY20 131UNZ	6
		ER20 - DIN6499		6000rpm	i=1:1	RAPPTZ20 121UNZ	RAPPTZ20 131UNZ	7
	90°	ER25 - DIN6499	85mm	12000rpm	i=1:1	RRPPS 25 121UNZ	RRPPS 25 131UNZ	8
		ER32 - DIN6499	85mm	12000rpm	i=1:1	RRPPS 32 121UNZ	RRPPS 32 131UNZ	8
		ER25 - DIN6499	125mm	12000rpm	i=1:1	RRPPA 25 421UNZ	RRPPA 25 431UNZ	9
		ER32 - DIN6499	125mm	12000rpm	i=1:1	RRPPA 32 421UNZ	RRPPA 32 431UNZ	9
		Ø22mm - DIN6358	85mm	12000rpm	i=1:1	RRPFS 22 121UNZ		10
		Ø16mm - DIN1835	85mm	12000rpm	i=1:1	RRPWS 16 121UNZ		10
	90° Double	ER25 - DIN6499	85mm	12000rpm	i=1:1	RRPPT 25 121UNZ		11
		ER32 - DIN6499	85mm	12000rpm	i=1:1	RRPPT 32 121UNZ		11
		ER25 - DIN6499	125mm	12000rpm	i=1:1	RRPPTA25 421UNZ		11
		ER32 - DIN6499	125mm	12000rpm	i=1:1	RRPPTA32 421UNZ		11
	±90°	ER20 - DIN6499		12000rpm	i=1:1	ROPPS 20 121UNZ	ROPPS 20 131UNZ	12

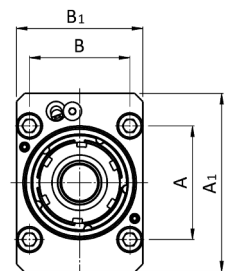
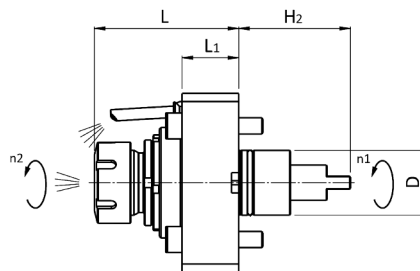
DuraTurn 2050 MC
 DuraTurn 2550 MC
 NL / NLX 1500 - 20 station
 NL / NLX 2000 - 20 station
 NL / NLX 2500 - 20 station
 NT / NTX 1000
 NT / NTX 2000
 NT 3000 / 3100 / 3150 / 3200
 NZ / NZX 1500
 NZ / NZX 2000
 NZ / NZX 2500 - 16 station
 ALX 1500-2000-2500 MC/Y/SY






NZ	Version	Tools Clamping	Center Height	Coolant	ALGRA Part No.	DMG MORI Part No.	Page
	O.D. cutting holder	□ 20mm	H:70mm	External	E10/US 20 NZX70	T00224	14
		□ 25mm	H:70mm	External	E10/US 25 NZX70	T00267	14
		□ 0.75"	H:70mm	External	E10/US 0.75" NZX70	T00234	14
		□ 20mm	H:95mm	External	E10/US 20 NZX95	T00225	14
		□ 25mm	H:95mm	External	E10/US 25 NZX95		14
		□ 0.75"	H:95mm	External	E10/US 0.75" NZX95	T00235	14
		□ 1"	H:70mm	External	E10/US 1" NZX70	T00272	14
	O.D. double holder	□ 20mm	H:70mm	External	E10/UD 20 NZX70	T00228	14
		□ 25mm	H:70mm	External	E10/UD 25 NZX70		14
		□ 0.75"	H:70mm	External	E10/UD 0.75" NZX70	T00250	14
		□ 20mm	H:95mm	External	E10/UD 20 NZX95	T00226	14
		□ 25mm	H:95mm	External	E10/UD 25 NZX95		14
	O.D. Y-axis double toolholders for both spindle	□ 20 mm	H70:mm	External	E10/UQ 20 NZX70		15
	Face and I.D. cutting holder	□ 20mm	H:80mm	External	E10/UA 20 NZX80	T03017	15
		□ 25mm	H:80mm	External	E10/UA 25 NZX80	T03024	15
		□ 0.75"	H:80mm	External	E10/UA 0.75" NZX80	T03018	15
		□ 1"	H:80mm	External	E10/UA 1" NZX80	T03025	15
	Cut-off holder	□ 20mm	H:85mm	External	E10/UT 20 NZX85	T00251	16
		□ 25mm	H:70mm	External	E10/UT 25 NZX70		16
		□ 25mm	H:85mm	External	E10/UT 25 NZX85	T00268	16
		□ 0.75"	H:85mm	External	E10/UT 0.75" NZX85	T00252	16
		□ 1"	H:85mm	External	E10/UT 1" NZX85	T00359	16
	Blade Holder	∅ 32mm	H:90mm	External	E10/TT 32 NZX90		16
	Boring Bar holder	∅ 32mm	H:100mm	Int/Ext	E10/BS 32 NZX100	T10115 - T13132	17
		∅ 1.25"	H:100mm	Int/Ext	E10/BS 1.25" NZX100	T10119 - T13135	17
		∅ 32mm	H:145mm	Int/Ext	E10/BS 32 NZX145	T10260	17
		∅ 1.25"	H:145mm	Int/Ext	E10/BS 1.25" NZX145	T10261	17
	Boring Bar holder	∅ 25mm	H:75mm/105mm	Int/Ext	E10/BD 25 NZX75/105	T10117	17
		∅ 1"	H:75mm/105mm	Int/Ext	E10/BD 1" NZX75/105	T10139	17

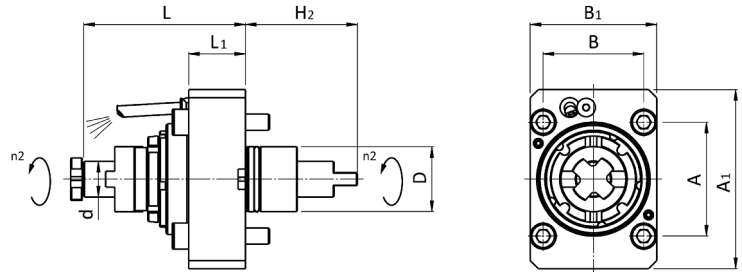
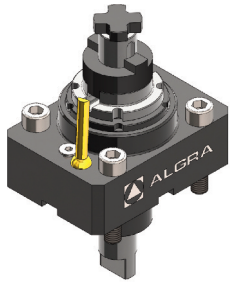



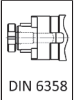


1/NZ			Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
0°			RAPPS 25 121UNZ	40	25			69	80,6-84,3	35		70	62	110	78			50	12000	7,5
			RAPPS 32 121UNZ	40	32			69	85,5-89,2	35		70	62	110	78				50	12000
																				

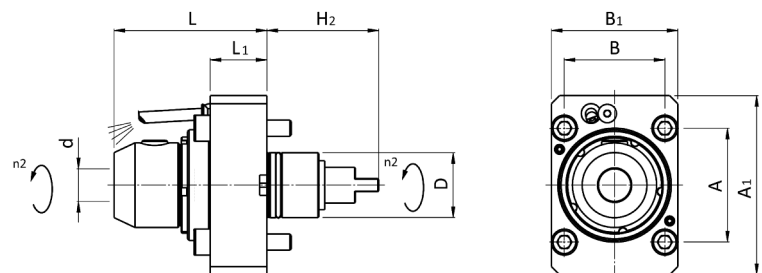
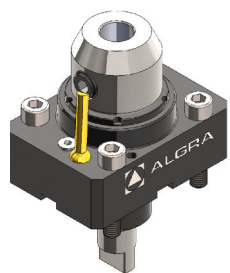
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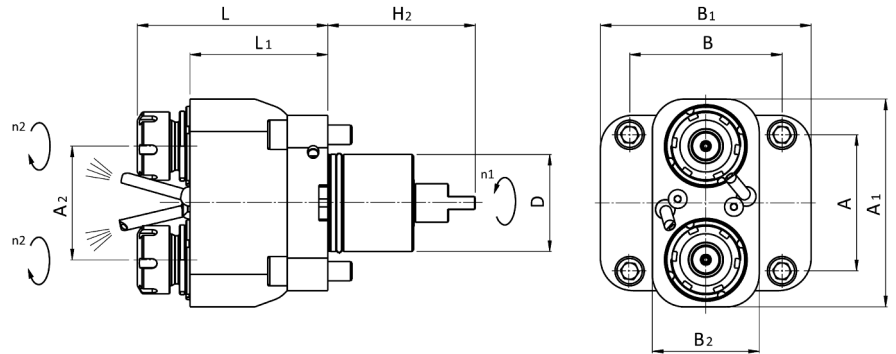
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0°			RAPPS 25 131UNZ	40	25			69	80,6-84,3	35		70	62	110	78			50	12000	7,5
			RAPPS 32 131UNZ	40	32			69	85,5-89,2	35		70	62	110	78				50	12000
																				
																				
																				






3/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
   +1 (1:1)			RAPFS 22 121UNZ	40	∅ 22			69	100	35		70	62	110	78			50	12000	7,5
 EXTERNAL																				

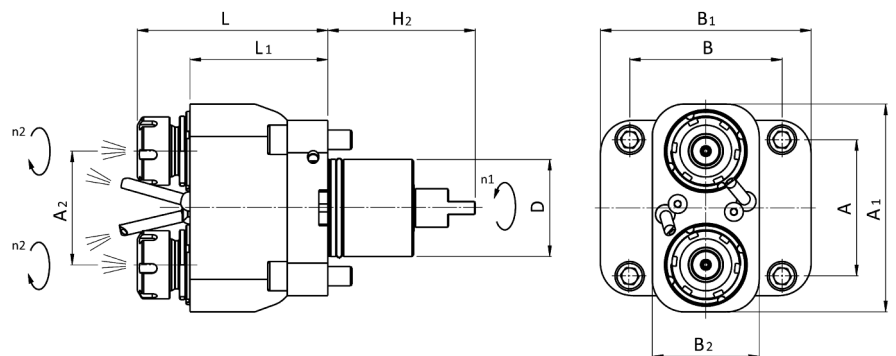







4/NZ			Codice	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
			code - code - Bestell Nr.															Nm	min-1	kW
   +1 (1:1)			RAPWS 16 121UNZ	40	∅ 16			69	90	35		70	62	110	78			50	12000	7,5
 EXTERNAL																				

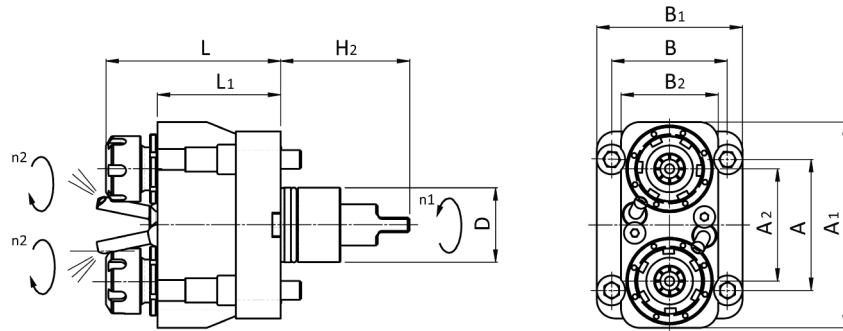






5/NZ			Codice	D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P	
			code - code - Bestell Nr.						(min-max)									Nm	min-1	kW	
0°			RAPPTY20 121UNZ	40	20			69	86,3-90	70		62	70	105	95	60	61,5	30	6000	5,5	
																					

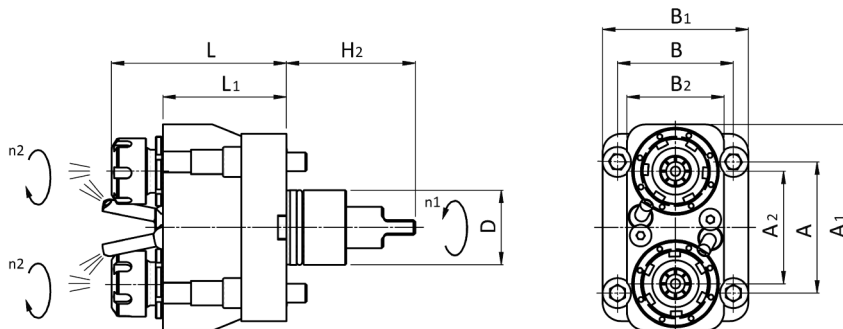
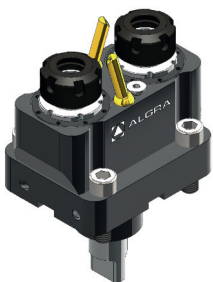
6









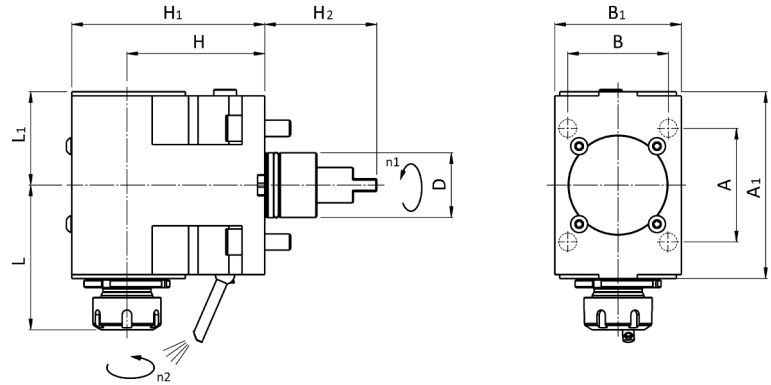
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			code - code - Bestell Nr.						(min-max)									Nm	min-1	kW	
0°			RAPPTY20 131UNZ	40	20			69	86,3-90	70		62	70	105	95	60	61,5	30	6000	5,5	
																					





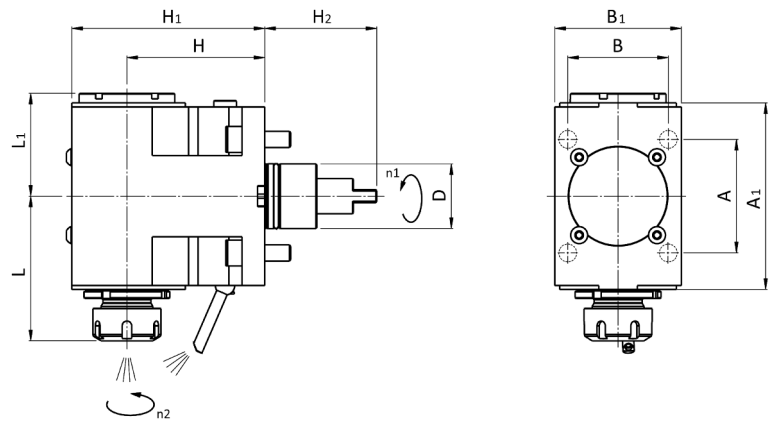
7/NZ			Codice	D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
			code - code - Bestell Nr.						(min-max)								Nm	min-1	kW	
   DIN 6499 -1 (1:1)			RAPPTZ 20 121UNZ	40	20			69	90-93,52	66		70	62	110	78	60	52	20	6000	7,5
 EXTERNAL																				





8/NZ			Codice	D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
			code - code - Bestell Nr.						(min-max)									Nm	min-1	kW
   DIN 6499 -1 (1:1)			RAPPTZ 20 131UNZ	40	20			69	90-93,52	66		70	62	110	78	60	52	20	6000	7,5
   INT./EXT. 100 bar Filtration 30µm																				

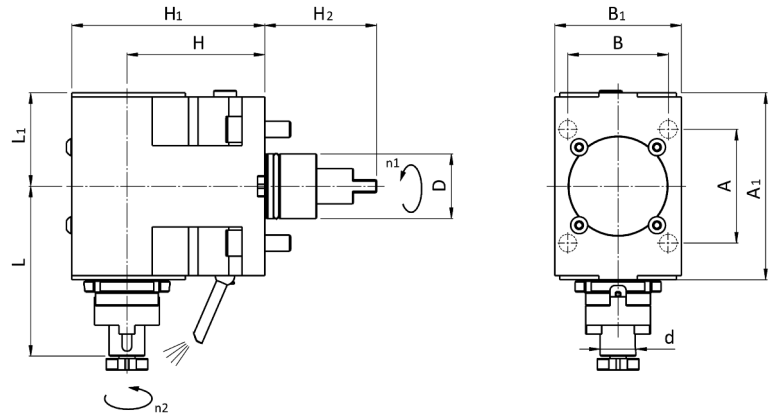





9/NZ		Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°	 DIN 6499	 -1 (1:1)	RRPPS 25 121UNZ	40	25	85	119	69	85,3-89	57,5	70	62	110	78			50	12000	7,5
			RRPPS 32 121UNZ	40	32	85	119	69	90,3-94	57,5	70	62	110	78				50	12000

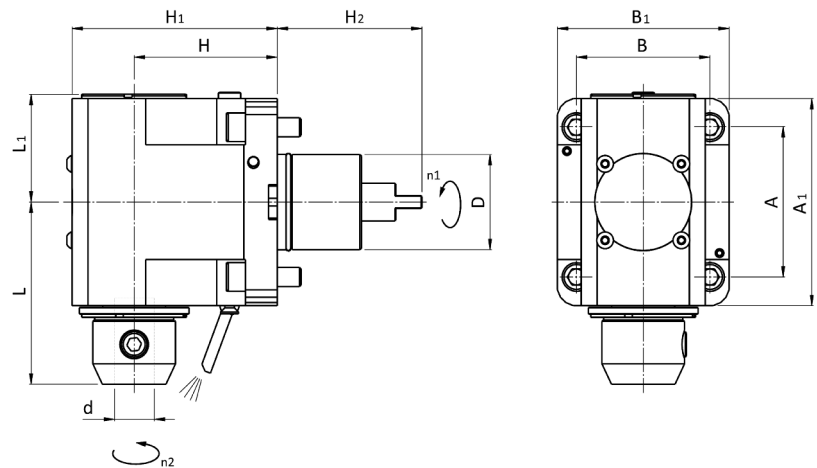





10/NZ		Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°	 DIN 6499	 -1 (1:1)	RRPPS 25 131UNZ	40	25	85	119	69	85,3-89	63,4	70	62	110	78			50	12000	7,5
			RRPPS 32 131UNZ	40	32	85	119	69	90,3-94	63,4	70	62	110	78				50	12000

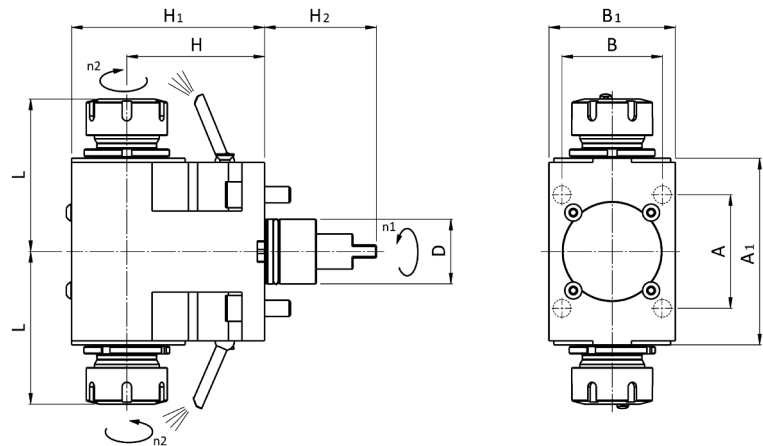






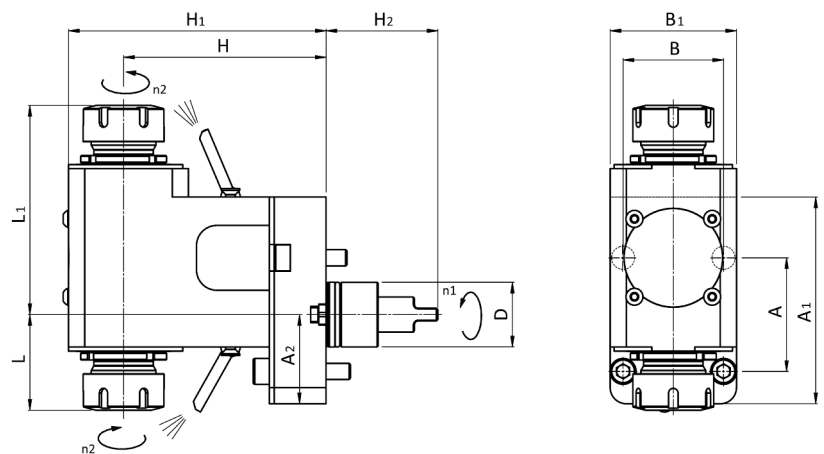
13/NZ			Codice	D	d	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
			code - code - Bestell Nr.															Nm	min-1	kW
90°			RRPFS 22 121UNZ	40	∅ 22	85	119	69	104,6	57,5		70	62	110	78			50	12000	7,5
 EXTERNAL																				





14/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	∅ 16	85	119	69	98	57,5		70	62	110	78			50	12000	7,5
 EXTERNAL																				

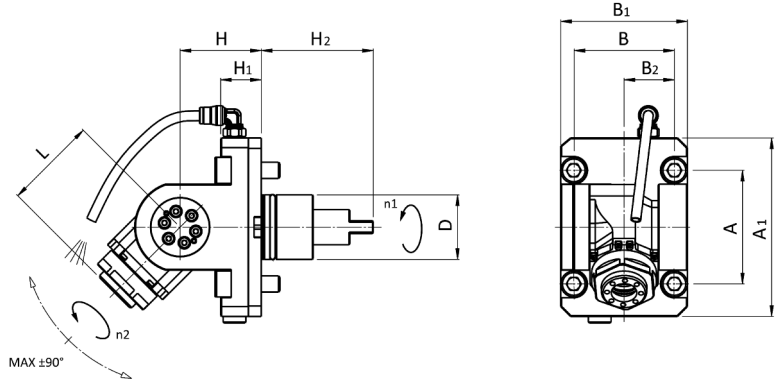





15/NZ		Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°	 DIN 6499	 +1 (1:1)	RRPPT 25 121UNZ	40	25	85	119	69	85,3-89			70	62	110	78		50	12000	7,5
			RRPPT 32 121UNZ	40	32	85	119	69	90,3-94			70	62	110	78			50	12000

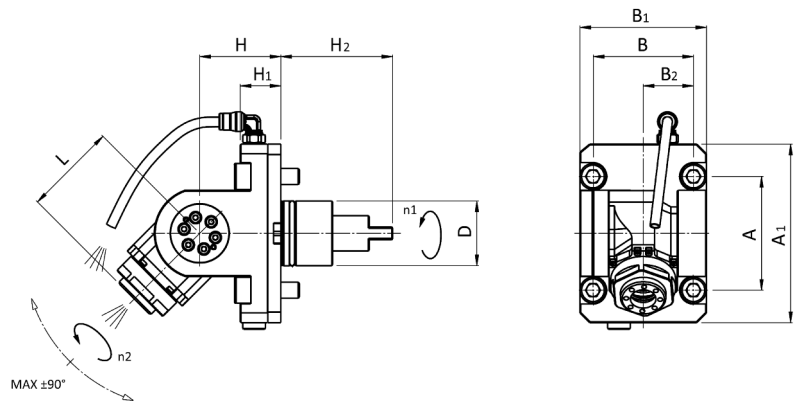







16/NZ		Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1 (min-max)	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
90°	 DIN 6499	 ±1 (1:1)	RRPPTA25 421UNZ	40	25	125	69	159	50,4-54,1	120,4-124,1	70	62	127,5	78	55	50	12000	7,5
			RRPPTA32 421UNZ	40	32	125	69	159	55,3-59	125,3-129	70	62	127,5	78	55	50	12000	7,5

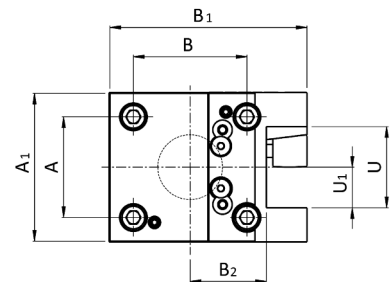
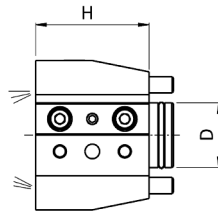


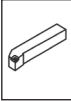
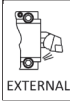


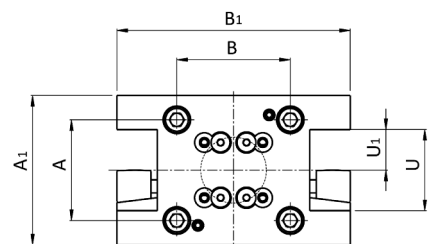
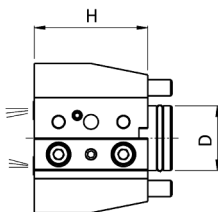
17/NZ		Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
±90°	 DIN 6499	 +1 (1:1)	40	20	50	25	69	53,4-57,1			70	62	110	78			17	12000	5,5
 EXTERNAL																			

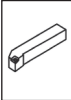



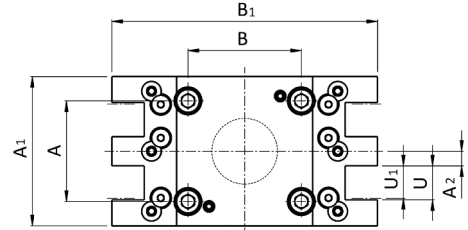
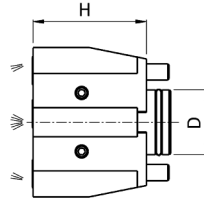
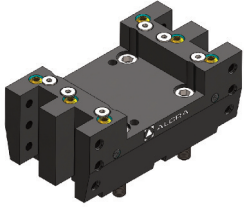
18/NZ		Codice code - code - Bestell Nr.	D	ER	H	H1	H2	L (min-max)	L1	L2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1	P kW
±90°	 DIN 6499	 +1 (1:1)	40	20	50	25	69	53,4-57,1			70	62	110	78			17	12000	5,5
 INT./EXT.	 100 bar	 Filtration 30µm																	





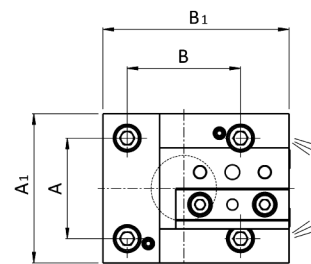
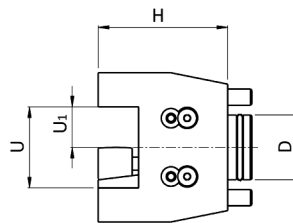
101/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
  EXTERNAL	E10/US 20 NZX70	T00224		40	40	20		70				62	70	78	115		50	
	E10/US 25 NZX70	T00267		40	50	25		70				62	70	92	122		50	
	E10/US 0.75" NZX70	T00234		40	1.5"	0.75"		70				62	70	78	115		50	
	E10/US 20 NZX95	T00225		40	40	20		95				62	70	78	115		50	
	E10/US 25 NZX95			40	50	25		95				62	70	92	122		50	
	E10/US 0.75" NZX95	T00235		40	1.5"	0.75"		95				62	70	78	115		50	
	E10/US 1" NZX70	T00272		40	2"	1"		70				62	70	92	122		50	





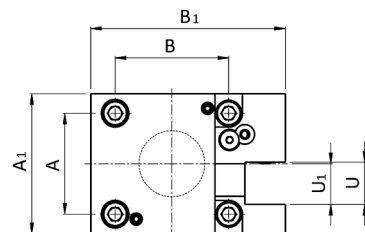
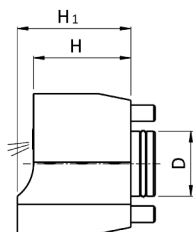
102/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
  EXTERNAL	E10/UD 20 NZX70	T00228		40	40	20		70				62	70	78	130			
	E10/UD 25 NZX70			40	50	25		70				62	70	92	144			
	E10/UD 0.75" NZX70	T00250		40	1.5"	0.75"		70				62	70	78	130			
	E10/UD 20 NZX95	T00226		40	40	20		95				62	70	78	130			
	E10/UD 25 NZX95			40	50	25		95				62	70	92	144			
	E10/UD 0.75" NZX95	T00249		40	1.5"	0.75"		95				62	70	78	130			

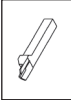



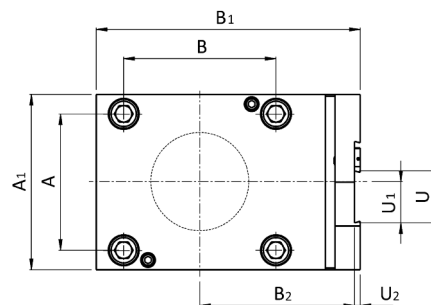
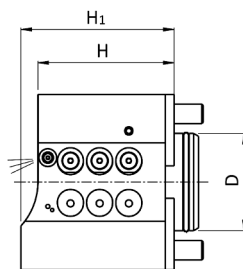
103/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		E10/UQ 20 NZX70		40	21	20		70				62	70	92	164	9		





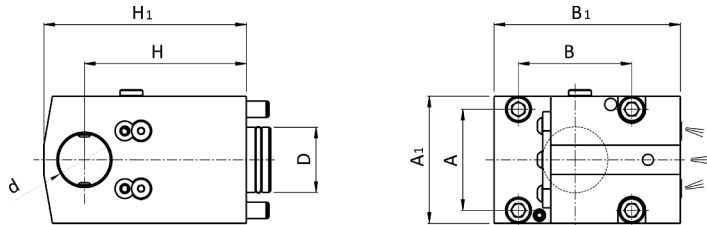
104/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		E10/UA 20 NZX80	T03017	40	40	20		80				62	70	78	115			
		E10/UA 25 NZX80	T03024	40	50	25		80				62	70	92	115			
		E10/UA 0.75" NZX80	T03018	40	1.5"	0.75"		80				62	70	78	115			
		E10/UA 1" NZX80	T03025	40	2"	1"		80				62	70	92	115			

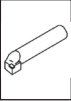



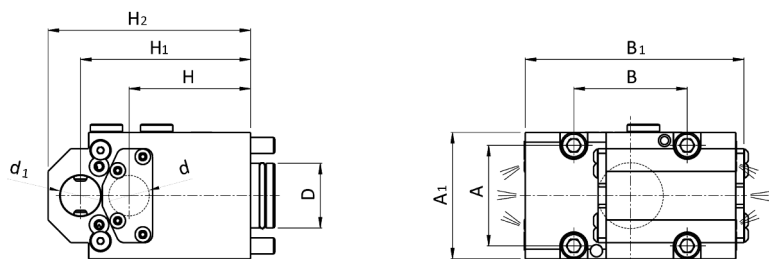
105/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
  EXTERNAL	E10/UT 20 NZX85	T00251	40	21	20		75	85				62	70	78	115			
	E10/UT 25 NZX70		40	26	25		60	70				62	70	86	120			
	E10/UT 25 NZX85	T00268	40	26	25		75	85				62	70	86	120			
	E10/UT 0.75" NZX85	T00252	40	21	0.75"		75	85				62	70	78	115			
	E10/UT 1" NZX85	T00359	40	26	1"		75	85				62	70	86	120			





106/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
  EXTERNAL	E10/TT 32 NZX90			40	32	25	2,36	80	90			62	70	86	120		66,5	



107/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3	
  INT./EXT.	E10/BS 32 NZX100	T10115 - T13132	40	∅ 32				100	125			62	70	78	115				
	E10/BS 1.25" NZX100	T10119 - T13135	40	∅ 1.25"				100	125			62	70	78	115				
	E10/BS 32 NZX145	T10260	40	∅ 32				145	175			62	70	78	115				
	E10/BS 1.25" NZX145	T10261	40	∅ 1.25"				145	175			62	70	78	115				



108/NZ		Codice code - code - Bestell Nr.	DMG MORI Part. No.	D	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3	
  INT./EXT.	E10/BD 25 NZX75/105	T10117	40	∅ 25	∅ 25			75	105	125		62	70	78	130				
	E10/BD 1" NZX75/105	T10139	40	∅ 1"	∅ 1"			75	105	125		62	70	78	130				

**La produzione:
il lavoro**

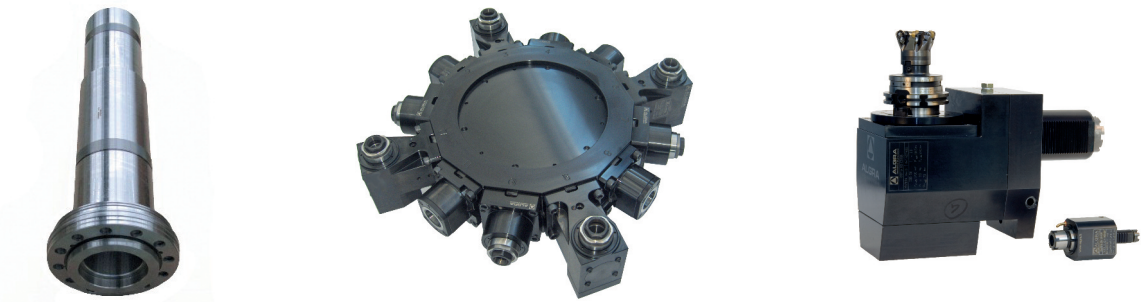
Production:
work

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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