

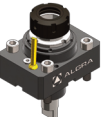
- DuraTurn 2050 MC
- DuraTurn 2550 MC
- NL / NLX 1500 - 20 station
- NL / NLX 2000 - 20 station
- NL / NLX 2500 - 20 station
- NT / NTX 1000
- NT / NTX 2000
- NT 3000 / 3100 / 3150 / 3200
- NZ / NZX 1500
- NZ / NZX 2000
- NZ / NZX 2500 - 16 station
- ALX 1500-2000-2500 MC/Y/SY

Toolholder Program

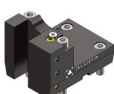
NZ



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	RAPTZ20 121UNZ	RAPTZ20 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

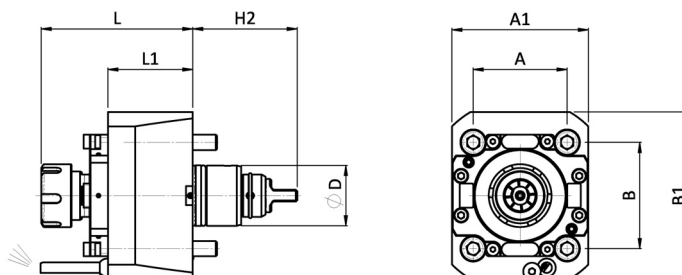
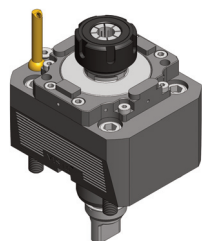
NZ	Version	Tools Clamping	Center Height	Coolant	ALGRA Part No.	DMG MORI Part No.	Page
	O.D. cutting holder	□ 20mm	H:70mm	External	E10/US 20 NZX70	T00224	14
		□ 25mm	H:70mm	External	E10/US 25 NZX70	T00267	14
		□ 0.75"	H:70mm	External	E10/US 0.75" NZX70	T00234	14
		□ 20mm	H:95mm	External	E10/US 20 NZX95	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
		□ 0.75"	H:95mm	External	E10/UD 0.75" NZX95	T00249	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	Ø 32mm	H:100mm	Int/Ext	E10/BS 32 NZX100	T10115 - T13132	17
		Ø 1.25"	H:100mm	Int/Ext	E10/BS 1.25" NZX100	T10119 - T13135	17
		Ø 32mm	H:145mm	Int/Ext	E10/BS 32 NZX145	T10260	17
		Ø 1.25"	H:145mm	Int/Ext	E10/BS 1.25" NZX145	T10261	17
	Boring Bar holder	Ø 25mm	H:75mm/105mm	Int/Ext	E10/BD 25 NZX75/105	T10117	17
		Ø 1"	H:75mm/105mm	Int/Ext	E10/BD 1" NZX75/105	T10139	17

1/NZ

Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

 $i = n1:n2 = 1:1$


Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPH 25 121UNZ	40	25	100	56				69	62	70	90	110			35	12000
RAPPH 32 121UNZ	40	32	101	56				69	62	70	90	110			35	12000
RAPPH 32 221UNZ	40	32	69	26				69	62	70	90	110			20	12000

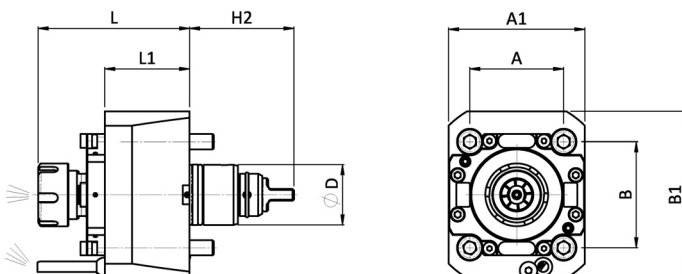
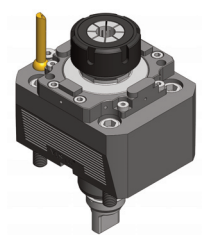
4

2/NZ


Assiale
Axial
Axial
Axial

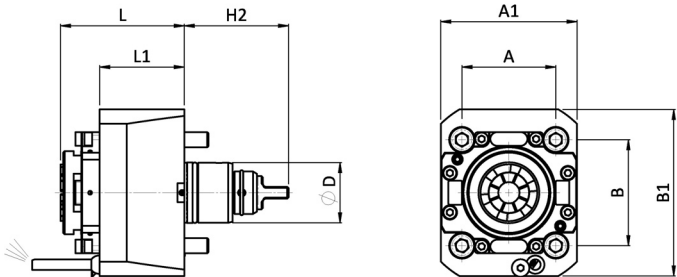
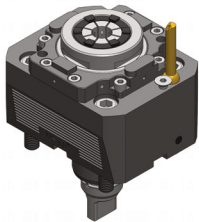
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern

 $i = n1:n2 = 1:1$


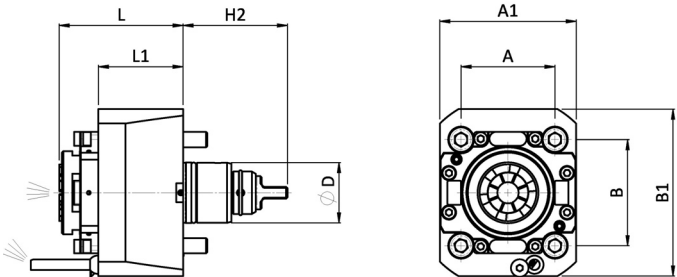
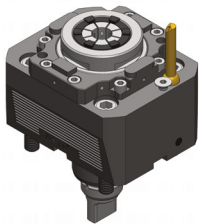
Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPH 25 131UNZ	40	25	100	56				69	62	70	90	110			35	12000
RAPPH 32 131UNZ	40	32	101	56				69	62	70	90	110			35	12000
RAPPH 32 231UNZ	40	32	69	26				69	62	70	90	110			20	12000

3/NZ	Assiale Axial Axial Axial	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Refrigerazione esterna External coolant supply Alimentation d'arrosage extérieur Kühlschmierstoffzuführung extern	 EXTERNAL	$i = n_1:n_2 = 1:1$ 
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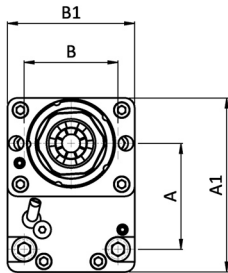
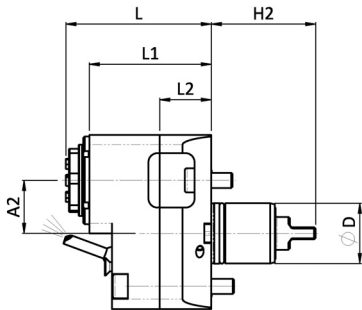
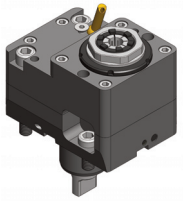
Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPH 32I 121UNZ	40	32	82	56				69	62	70	90	110			35	12000

4/NZ	Assiale Axial Axial Axial	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Refrigerazione interna-esterna External and internal coolant supply Alimentation d'arrosage extérieur et intérieur Kühlschmierstoffzuführung extern und intern	 80 bar  Filtration 30µm	 INT./EXT.	$i = n_1:n_2 = 1:1$ 
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Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPH 32I 131UNZ	40	32	82	56				69	62	70	90	110			35	12000

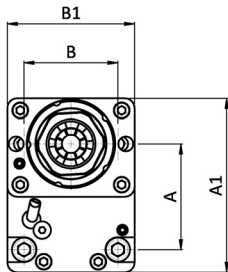
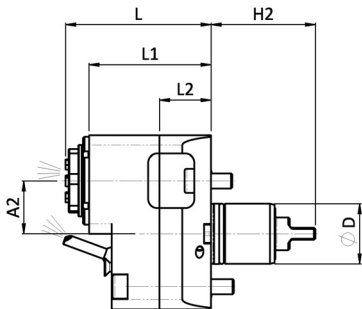
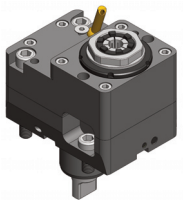
5/NZ	Assiale Axial Axial Axial	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Refrigerazione esterna External coolant supply Alimentation d'arrosage extérieur Kühlschmierstoffzuführung extern	 EXTERNAL	$i = n1:n2 = 1:1$ 
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Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPDZ 25 121UNZ/35	40	25	96	80,5	34			69	70	62	115	84			30	12000

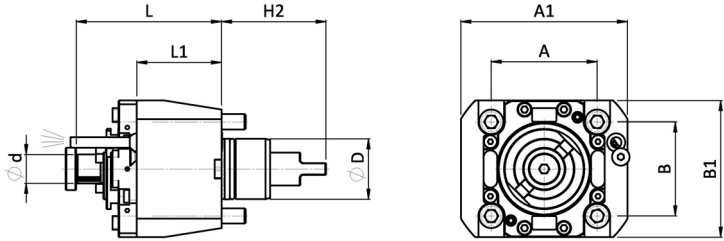
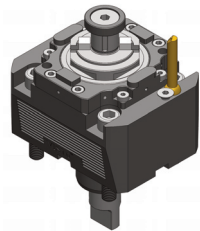
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6/NZ	Assiale Axial Axial Axial	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Refrigerazione interna-esterna External and internal coolant supply Alimentation d'arrosage extérieur et intérieur Kühlschmierstoffzuführung extern und intern	 INT./EXT.	$i = n1:n2 = 1:1$ 
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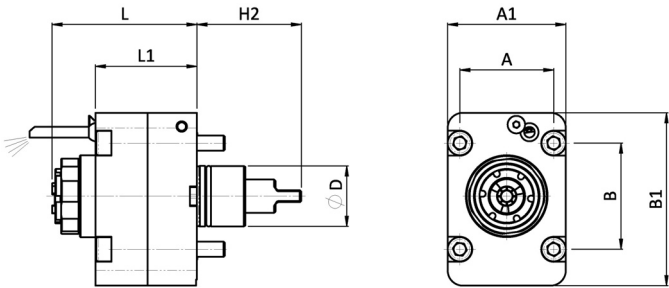
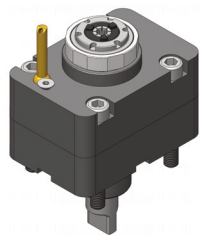
Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPDZ 25 131UNZ/35	40	25	96	80,5	34			69	70	62	115	84			30	12000

7/NZ	Assiale Axial Axial Axial	Portafresa Milling arbor Porte-fraise Fräseinrichtung	Refrigerazione esterna External coolant supply Alimentation d'arrosage extérieur Kühlschmierstoffzuführung extern	 EXTERNAL	$i = n1:n2 = 1:1$ 
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Codice - code - code - Bestell	D	d	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPFH 0.75" 121UNZ	40	Ø0,75"	96	56				69	70	62	110	90			35	6000
RAPFH 16 121UNZ	40	Ø16	96	56				69	70	62	110	90			35	6000
RAPFH 22 121UNZ	40	Ø22	101	56				69	70	62	110	90			35	6000
RAPFM 0.75" 121UNZ	40	Ø0,75"	96	56				69	70	62	110	90			35	6000
RAPFM 16 121UNZ	40	Ø16	96	56				69	70	62	110	90			35	6000
RAPFM 22 121UNZ	40	Ø22	101	56				69	70	62	110	90			35	6000

8/NZ	Assiale Axial Axial Axial	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Refrigerazione esterna External coolant supply Alimentation d'arrosage extérieur Kühlschmierstoffzuführung extern	 EXTERNAL	$i = n1:n2 = 1:4$ 
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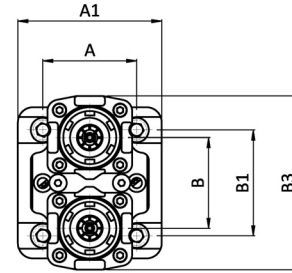
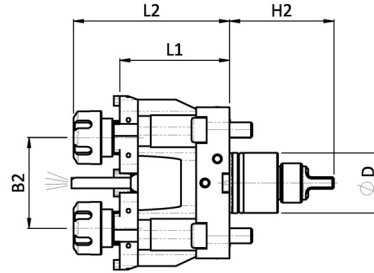
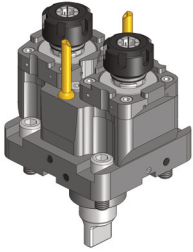
Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPS 16 122UNZ	40	16	96	67				69	62	70	78	114			8	32000

9/NZ

Assiale doppio Z
Axial double Z
Axial 2 Fach Z

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

 $i = n1:n2 = 1:1$


Codice - code - code - Bestell	D	ER	L	L1	H	H1	H2	B3	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPTZH 20 121UNZ	40	20	103	72,5			69	115	62	70	95	100		60	20	6000

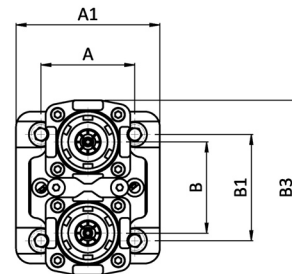
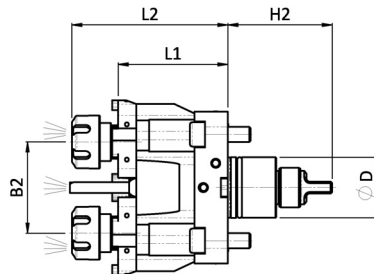
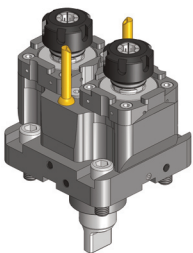
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10/NZ


Assiale doppio Z
Axial double Z
Axial 2 Fach Z

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern

 $i = n1:n2 = 1:1$


Codice - code - code - Bestell	D	ER	L	L1	H	H1	H2	B3	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPTZ 20 131UNZ	40	20	103	72,5			69	115	62	70	95	100		60	20	6000

11/NZ

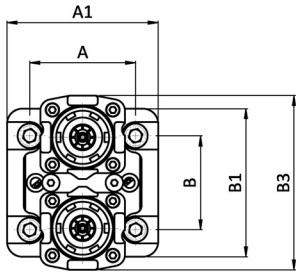
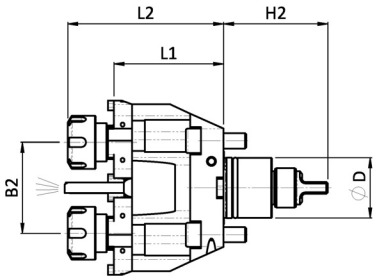
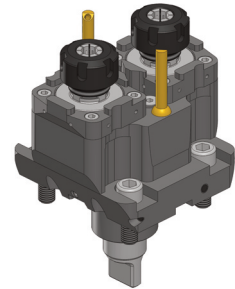
Assiale doppio Y
Axial double Y
Axial double Y
Axial 2 Fach Y

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern


EXTERNAL

$i = n1:n2 = 1:1$   



Codice - code - code - Bestell	D	ER	L	L1	H	H1	H2	B3	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPTYH 20 121UNZ	40	20	103	72,5			69	115	70	62	100	98		60	20	6000

12/NZ


80 bar


Filtration
30µm

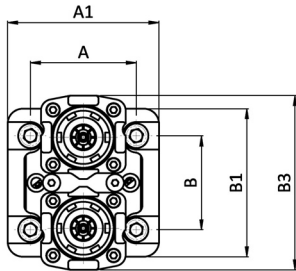
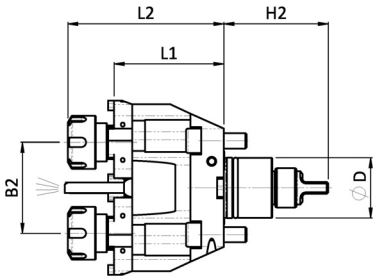
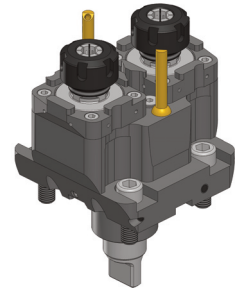
Assiale doppio Y
Axial double Y
Axial double Y
Axial 2 Fach Y

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern


INT./EXT.

$i = n1:n2 = 1:1$   



Codice - code - code - Bestell	D	ER	L	L1	H	H1	H2	B3	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPTYH 20 121UNZ	40	20	103	72,5			69	115	70	62	100	98		60	20	6000

13/NZ

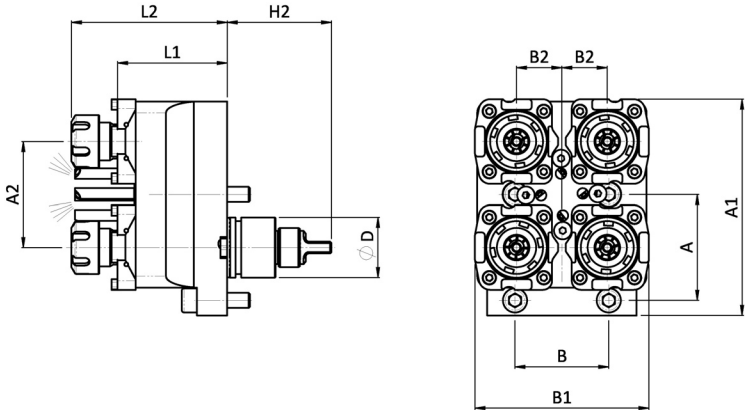
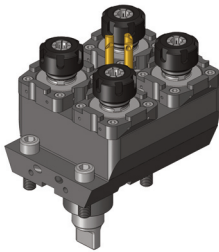
Assiale multi
Axial multi
Axial multi
Axial multi

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern


EXTERNAL

$i = n1:n2 = 1:1$ 



Codice - code - code - Bestell	D	ER	L	L1	H	H1	H2	B3	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RAPPQ 16 121UNZ	40	16	103	72,5			69		70	62	143	115	70	30	30	6000
RAPPQ 20 121UNZ	40	20	103	72,5			69									

14/NZ

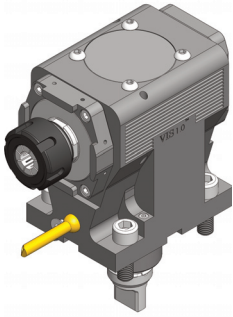
Radiale
Radial
Radial

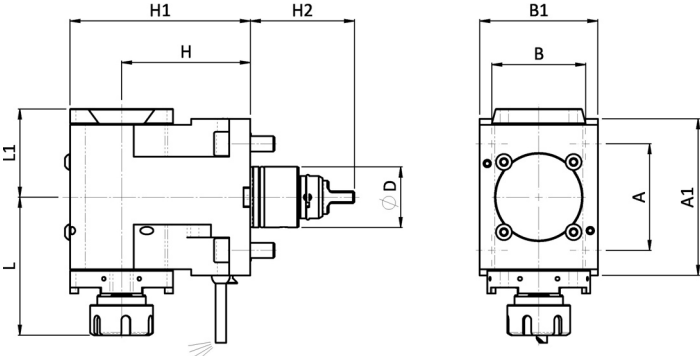
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern


EXTERNAL

$i = n1:n2 = 1:1$ 





Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPH 25 121UNZ	40	25	91	58		85	119	69	70	62	103	78			50	12000
RRPPH 32 121UNZ	40	32	93	58		85	119	69	70	62	103	78			50	12000

15/NZ


80 bar


Filtration
30µm

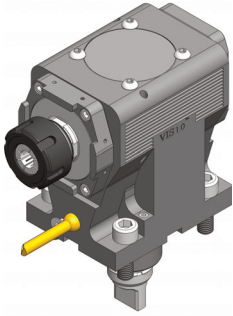
Radiale
Radial
Radial

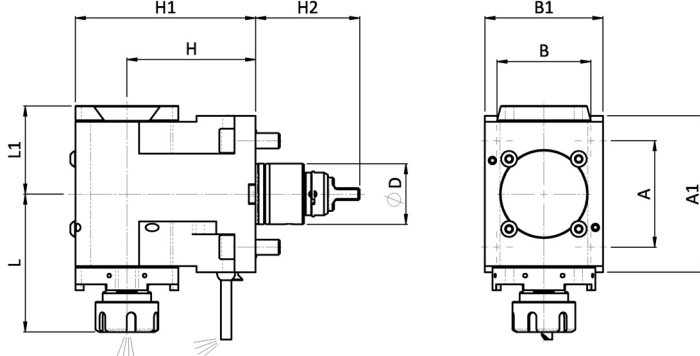
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern


INT./EXT.

$i = n1:n2 = 1:1$ 





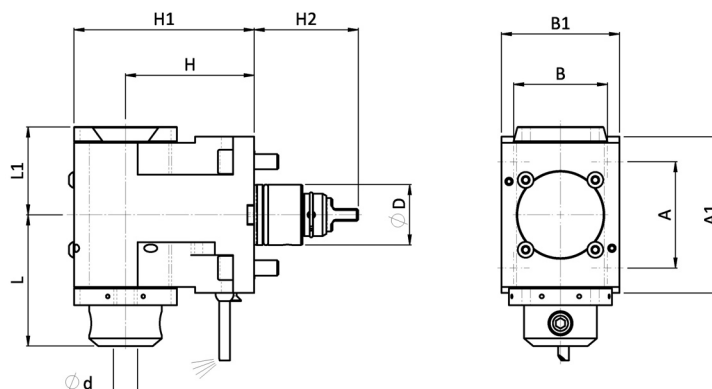
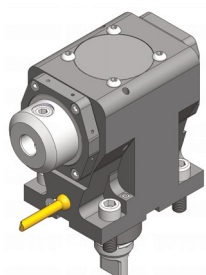
Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPH 25 131UNZ	40	25	91	63,5		85	119	69	70	62	103	78			50	12000
RRPPH 32 131UNZ	40	32	93	63,5		85	119	69	70	62	103	78			50	12000

16/NZ

Radiale
Radial
Radial
Radial

Weldon
Weldon
Weldon
Weldon

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

 $i = n1:n2 = 1:1$


Codice - code - code - Bestell	D	d	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPWH 16 121UNZ	40	Ø16	87	58		85	119	69	70	62	103	78			50	6000
RRPWH 20 121UNZ	40	Ø20	87	58		85	119	69	70	62	103	78			50	6000

12

17/NZ



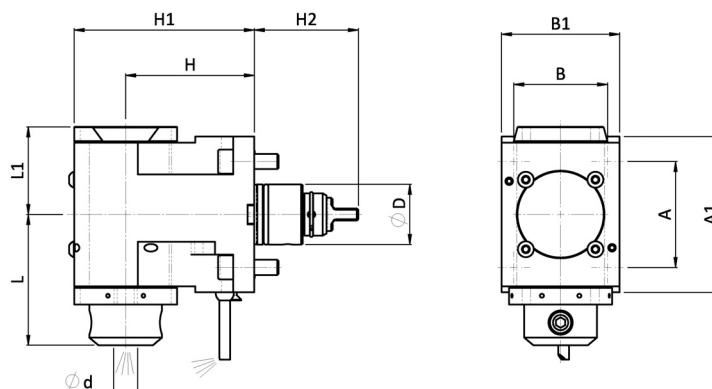
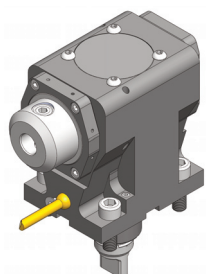
80 bar


Filtration
30µm

Radiale
Radial
Radial
Radial

Weldon
Weldon
Weldon
Weldon

Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern

 $i = n1:n2 = 1:1$


Codice - code - code - Bestell	D	d	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPWH 16 131UNZ	40	Ø16	87	63,5		85	119	69	70	62	103	78			50	6000
RRPWH 20 131UNZ	40	Ø20	87	63,5		85	119	69	70	62	103	78			50	6000

18/NZ



80 bar



Filtration
30µm

Radiale
Radial
Radial
Radial

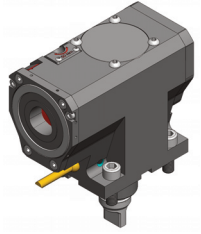
Capto
Capto
Capto
Capto

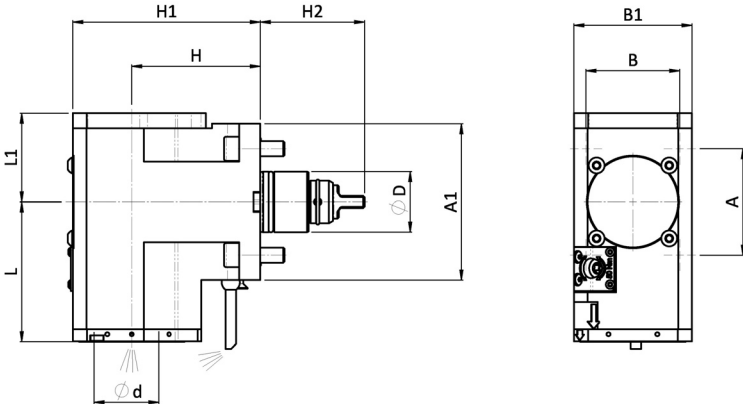
Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern



INT./EXT.

$i = n1:n2 = 1:1$ 





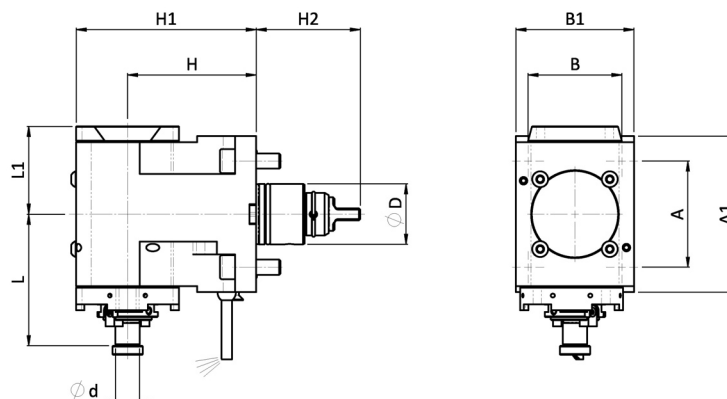
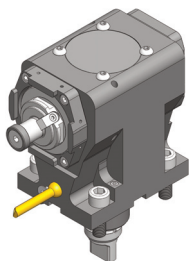
Codice - code - code - Bestell	D	d	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPCH C4 131UNZ	40	C4	92	58,5		85	124	69	70	62	103	78			40	12000

19/NZ

Radiale
Radial
Radial
Radial

Portafresa
Milling arbor
Porte-fraise
Fräseinrichtung

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

 $i = n1:n2 = 1:1$


Codice - code - code - Bestell	D	d	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPFH 16 121UNZ	40	Ø16	87	58		85	119	69	70	62	103	78			30	6000
RRPFH 22 121UNZ	40	Ø20	92	58		85	119	69	70	62	103	78			50	6000

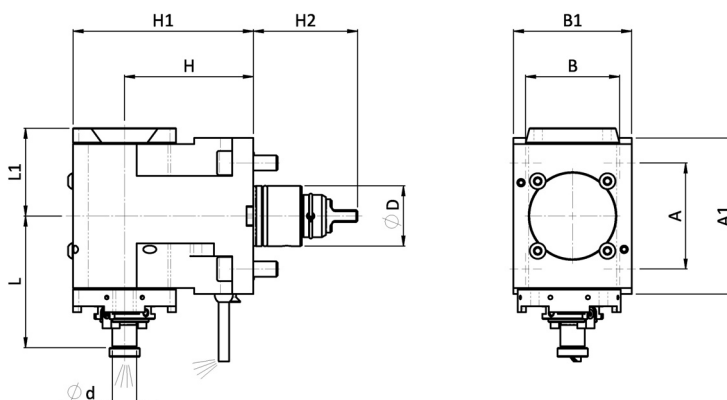
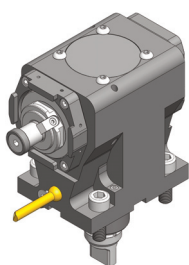
14

20/NZ


Radiale
Radial
Radial
Radial

Portafresa
Milling arbor
Porte-fraise
Fräseinrichtung

Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern

 $i = n1:n2 = 1:1$


Codice - code - code - Bestell	D	d	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPFH 16 131UNZ	40	Ø16	87	63,5		85	119	69	70	62	103	78			30	6000
RRPFH 22 131UNZ	40	Ø20	92	63,5		85	119	69	70	62	103	78			50	6000

21/NZ

Radiale arretrato
Radial offset
Décalée en arrière
Zurückgesetzt

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

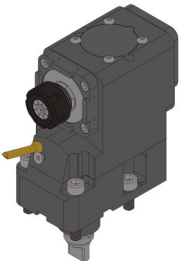
Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

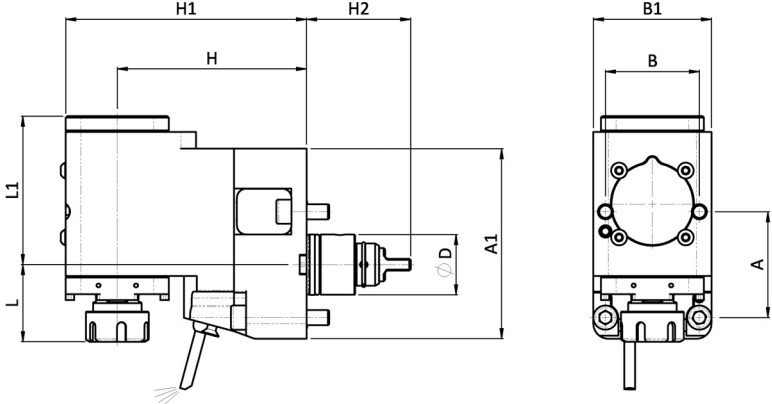


EXTERNAL

$i = n_1:n_2 = 1:1$







Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPAH 25 421UNZ	40	25	51	98		125	159	69	70	62	125,5	78			50	12000
RRPPAH 32 421UNZ	40	32	53	98		125	159	69	70	62	125,5	78			50	12000

22/NZ

Radiale arretrato
Radial offset
Décalée en arrière
Zurückgesetzt

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern



80 bar



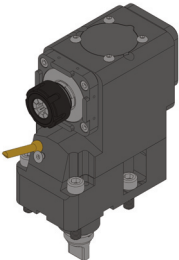
Filtration
30µm

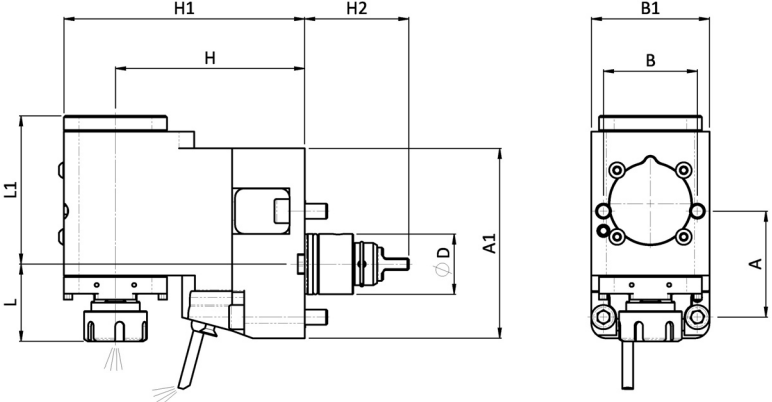


INT./EXT.

$i = n_1:n_2 = 1:1$







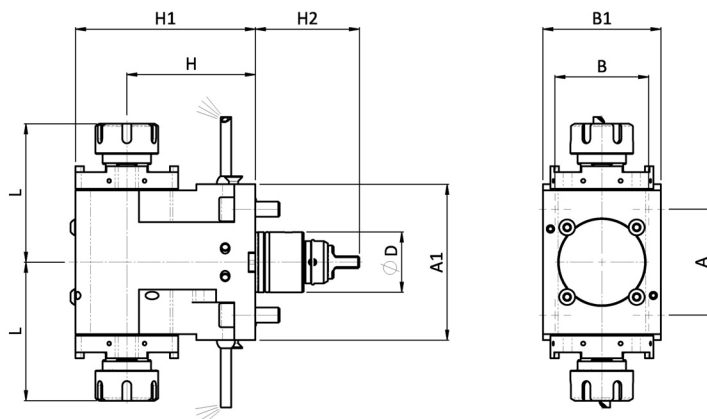
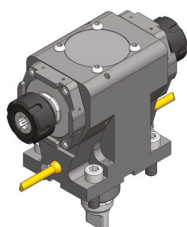
Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPAH 25 431UNZ	40	25	51	103,5		125	159	69	70	62	125,5	78			50	12000
RRPPAH 32 431UNZ	40	32	53	103,5		125	159	69	70	62	125,5	78			50	12000

23/NZ

Radiale doppio
Radial both side
Radial Double
Radial 2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

 $i = n_1:n_2 = 1:1$


Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPTH 25 121UNZ	40	25	91,5			85	119	69	70	62	103	78			50	12000
RRPPTH 32 121UNZ	40	32	93			85	119	69	70	62	103	78			50	12000

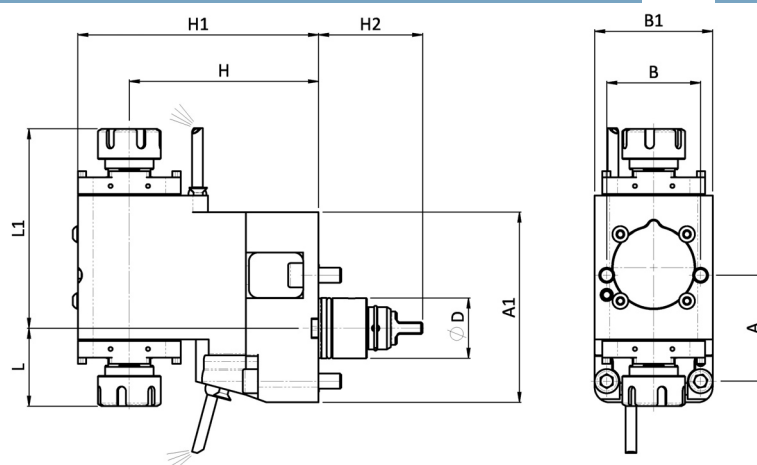
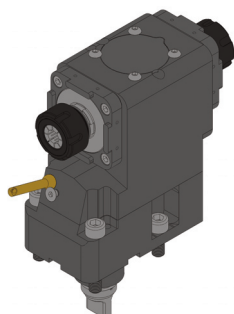
16

24/NZ

Radiale arretrato doppio
Radial offset both side
Décalée en arrière double
Zurückgesetzt radial 2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

 $i = n_1:n_2 = 1:1$


Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPTAH 25 421UNZ	40	25	52	132		125	159	69	70	62	125,5	78			50	12000
RRPPTAH 32 421UNZ	40	32	53	133		125	159	69	70	62	125,5	78			50	12000

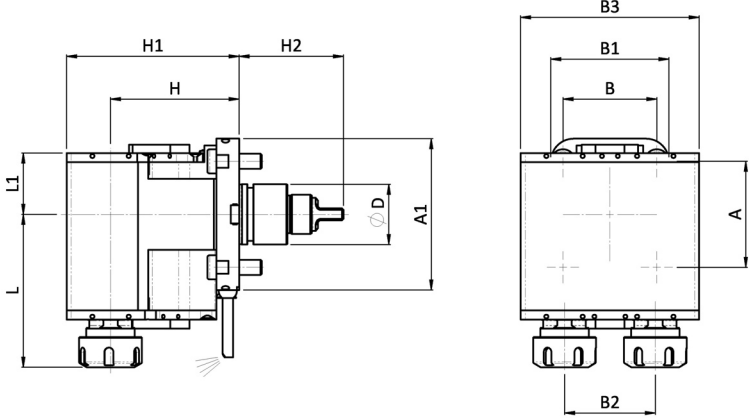
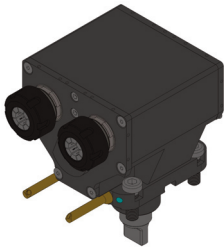
25/NZ

Radiale doppio Y
Radial Double Y
Radial 2 Fach Y

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

$i = n1:n2 = 1:1$ 



Codice - code - code - Bestell	D	ER	L	L1	H	H1	H2	A	B	A1	B1	A2	B2	B3	M ₂ Nm	n ₂ min-1
RRPPYH 25 121UNZ	40	25	101	46	85	114	69	70	62	100	78		60	118	40	6000

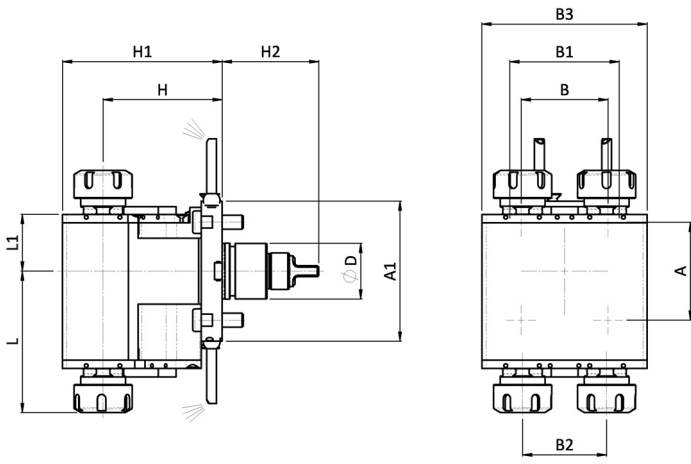
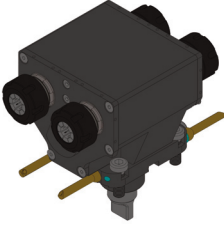
26/NZ

Radiale doppio + doppio Y
Radial Double + double Y
Radial Double + double Y
Radial 2 Fach +2 fach Y

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

 $i = n1:n2 = 1:1$ 



Codice - code - code - Bestell	D	ER	L	L1	H	H1	H2	A	B	A1	B1	A2	B2	B3	M ₂ Nm	n ₂ min-1
RRPPTYH 25 121UNZ	40	25	101	72	85	114	69	70	62	100	78		69	118	40	6000

27/NZ

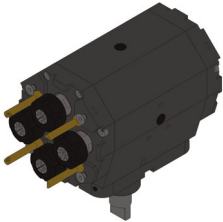
Radiale multi
Radial multi
Radial multi

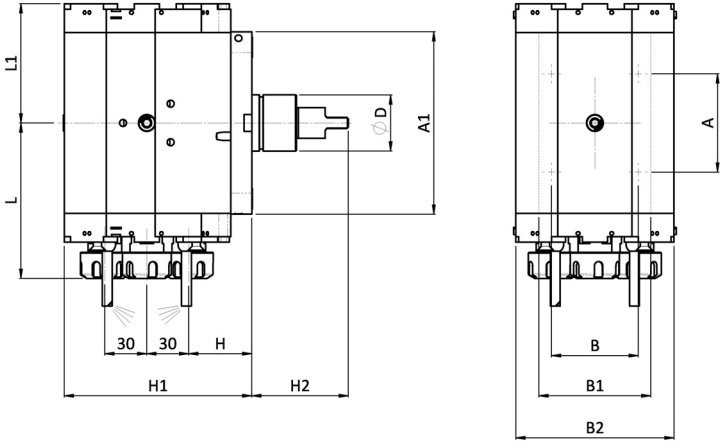
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern


EXTERNAL

$i = n_1:n_2 = 1:1$ 





Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPQ 20 121UNZ	40	20	111	85		45	134	69	70	62	130	80		113	30	6000

28/NZ

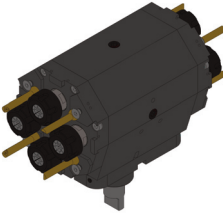
Radiale multi
Radial multi
Radial multi
Radial multi

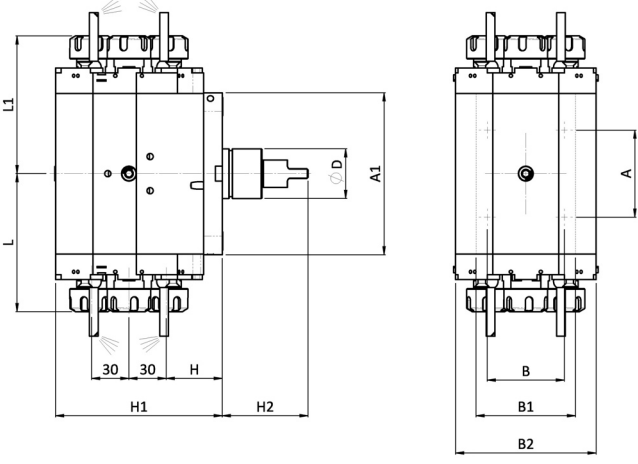
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern


EXTERNAL

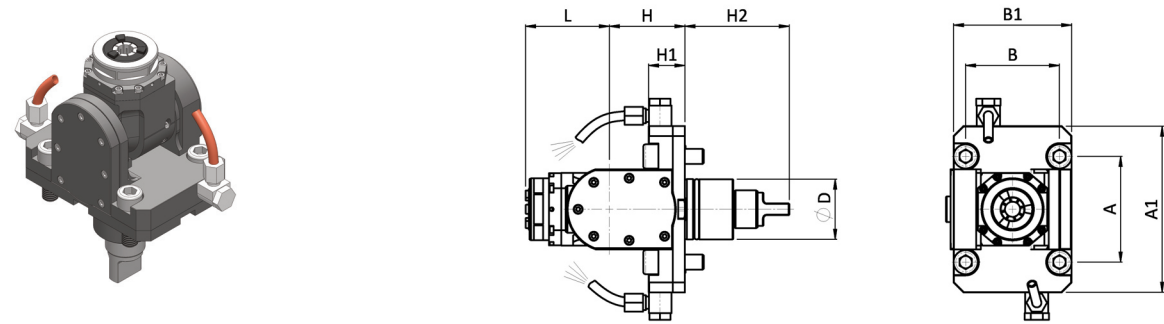
$i = n_1:n_2 = 1:1$ 





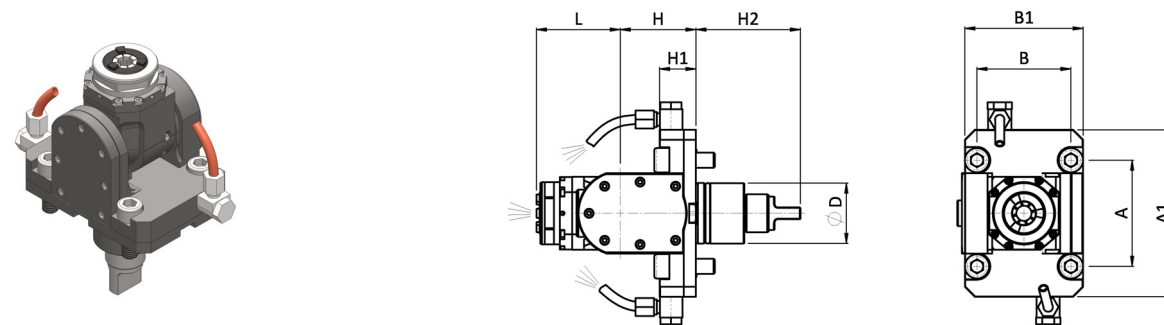
Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RRPPTQ 20 121UNZ	40	20	111	111		45	134	69	70	62	130	80		113	30	6000

29/NZ	Orientabile Angle adjustable Angle réglable Winkeleinstellbar	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Refrigerazione esterna External coolant supply Alimentation d'arrosage extérieur Kühlschmierstoffzuführung extern	$i = n1:n2 = 1:1$ 
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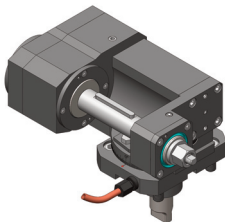
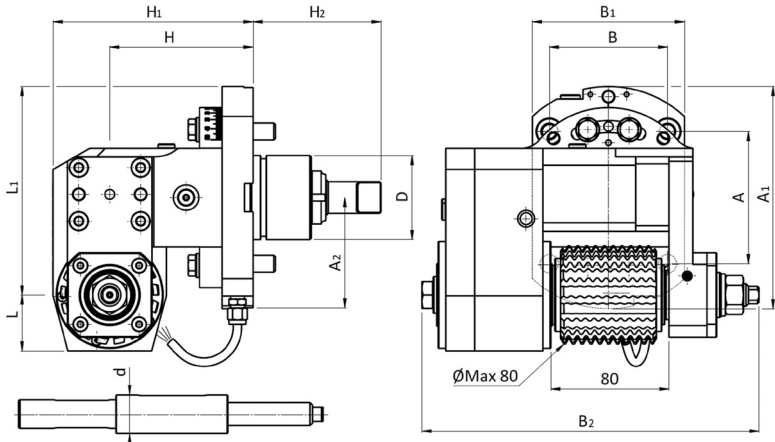


Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
ROPPH 20 121UNZ	40	20	55			50	24	69	70	62	110	78			17	12000

30/NZ	Orientabile Angle adjustable Angle réglable Winkeleinstellbar	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Refrigerazione interna-esterna External and internal coolant supply Alimentation d'arrosage extérieur et intérieur Kühlschmierstoffzuführung extern und intern	 80 bar  Filtration 30µm	 $i = n1:n2 = 1:1$ 
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Codice - code - code - Bestell	D	ER	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
ROPPH 20 131UNZ	40	20	55			50	24	69	70	62	110	78			17	12000

31/NZ		Creatore Gear Hobber Hobber à engrenages Wälzfräser				Portapinza Collet chuck Pince de serrage Spannzangeaufnahme				Refrigerazione esterna External coolant supply Alimentation d'arrosage extérieur Kühlschmierstoffzuführung extern				 EXTERNAL i = n1:n2 = 2:1 ↻ ↻		
																
Codice - code - code - Bestell	D	d	L	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2	M ₂ Nm	n ₂ min-1
RROPGH 16 123UNZ	40	Ø16	33	150		80	116	69	70	62	110	82	55	230	80	3000
RROPGH 22 123UNZ	40	Ø22	33	150		80	116	69	70	62	110	82	55	230	80	3000
RROPGH 27 123UNZ	40	Ø27	33	150		80	116	69	70	62	110	82	55	230	80	3000
RROPGH 32 123UNZ	40	Ø32	33	150		80	116	69	70	62	110	82	55	230	80	3000
RROPGH 0.75" 123UNZ	40	Ø0,75"	33	150		80	116	69	70	62	110	82	55	230	80	3000"
RROPGH 1" 123UNZ	40	Ø1"	33	150		80	116	69	70	62	110	82	55	230	80	3000
RROPGH 0.75" 123UNZ	40	Ø1,25"	33	150		80	116	69	70	62	110	82	55	230	80	3000

1/NZ



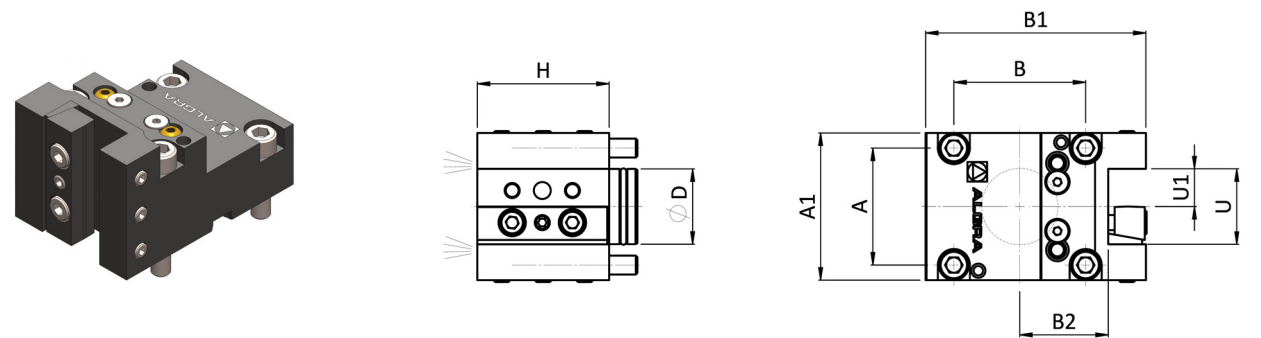
EXTERNAL

Portautensile statico
Static tool holder
Porte-outil statique
Statischer Werkzeughalter

Portautensile per esterni
O.D. cutting holder
Porte-outil pour l'extérieur
Werkzeughalter für den Aussenbereich

SQ
SQ
SQ
SQ

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern



Codice - code - code - Bestell	DMG MORI Part. No.	D	U	U1	L1	L2	H	H1	A	B	A1	B1	A2	B2	B3
E10/US 0.75" NZX70	T00234	40	1,5"	0,75"			70		62	70	78	115		47	
E10/US 0.75" NZX95	T00235	40	1,5"	0,75"			95		62	70	78	115		47	
E10/US 1" NZX70	T00272	40	2"	1"			70		62	70	92	122		47	
E10/US 1" NZX95		40	2"	1"			95		62	70	92	122		47	
E10/US 20 NZX70	T00224	40	40	20			70		62	70	78	115		47	
E10/US 20 NZX95	T00225	40	40	20			95		62	70	78	115		47	
E10/US 25 NZX70	T00267	40	50	25			70		62	70	92	122		47	
E10/US 25 NZX95		40	50	25			95		62	70	92	122		47	

2/NZ



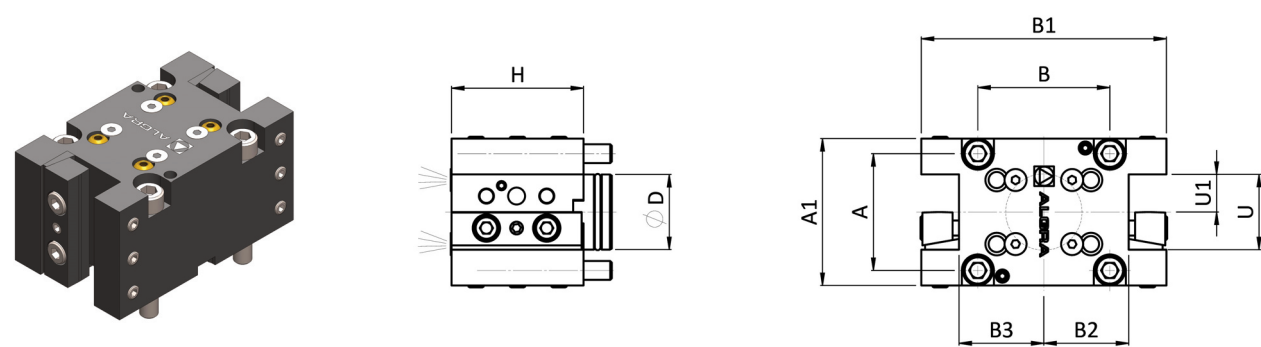
EXTERNAL

Portautensile statico
Static tool holder
Porte-outil statique
Statischer Werkzeughalter

Portautensile per esterni doppio
O.D. cutting holder both sides
Porte-outil pour l'extérieur double
Doppelter Werkzeughalter für den Aussenbereich

SQ
SQ
SQ
SQ

Refrigerazione esterna
External coolant supply
Alimentation d'arrosage extérieur
Kühlschmierstoffzuführung extern

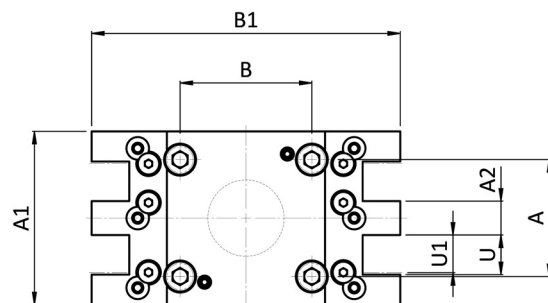
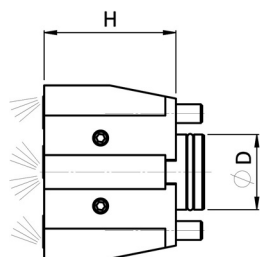


Codice - code - code - Bestell	DMG MORI Part. No.	D	U	U1	L1	L2	H	H1	A	B	A1	B1	A2	B2	B3
E10/UD 0.75" NZX70	T00250	40	1,5"	0,75"			70		62	70	78	130		45	45
E10/UD 0.75" NZX95	T00249	40	1,5"	0,75"			95		62	70	78	130		45	45
E10/UD 1" NZX70		40	2"	1"			70		62	70	92	144		45	45
E10/UD 1" NZX95		40	2"	1"			95		62	70	92	144		45	45
E10/UD 20 NZX70	T00228	40	40	20			70		62	70	78	130		45	45
E10/UD 20 NZX95	T00226	40	40	20			95		62	70	78	130		45	45
E10/UD 25 NZX70		40	50	25			70		62	70	92	144		45	45
E10/UD 25 NZX95		40	50	25			95		62	70	92	144		45	45

3/NZ


Portautensile statico
Static tool holder
Porte-outil statique
Statischer Werkzeughalter

Portautensile per esterni doppio Y
O.D. cutting holder both sides Y
Porte-outil pour l'extérieur double Y
Doppelter Werkzeughalter für den Aussenbereich Y

SQ Refrigerazione esterna
SQ External coolant supply
SQ Alimentation d'arrosage extérieur
SQ Kühlschmierstoffzuführung extern


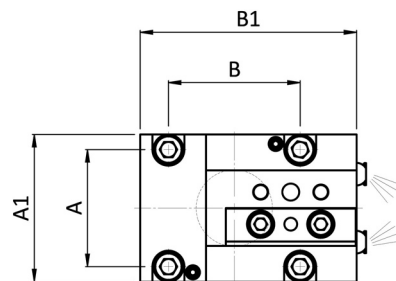
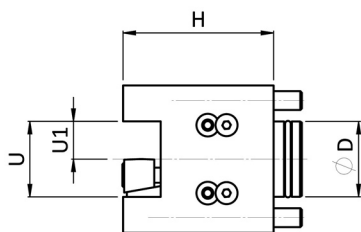
Codice - code - code - Bestell	DMG MORI Part. No.	D	U	U1	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2
E10/UQ 20 NZX70		40	21	20			70			62	70	92	164	9	

22

4/NZ


Portautensile statico
Static tool holder
Porte-outil statique
Statischer Werkzeughalter

Portautensile assiale per esterni
Face and I.D. cutting holder
Porte-outil axial pour l'extérieur
Axiale Werkzeugaufnahme für den Außenbereich

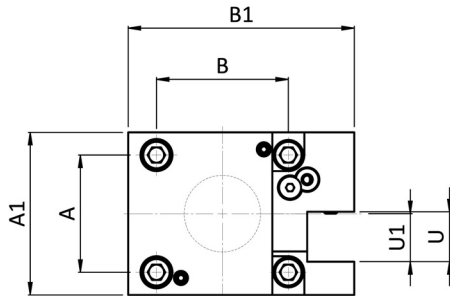
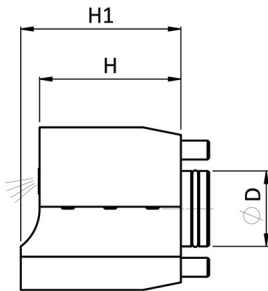
SQ Refrigerazione esterna
SQ External coolant supply
SQ Alimentation d'arrosage extérieur
SQ Kühlschmierstoffzuführung extern


Codice - code - code - Bestell	DMG MORI Part. No.	D	U	U1	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2
E10/UA 1" NZX80	T03025	40	2"	1"			80			62	70	92	115		
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		

5/NZ	Portautensile statico Static tool holder Porte-outil statique Statischer Werkzeughalter	Supporto da taglio Cut-off holder Porte-couteaux Abschneidevorrichtung	SQ SQ SQ SQ	Refrigerazione esterna External coolant supply Alimentation d'arrosage extérieur Kühlschmierstoffzuführung extern
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EXTERNAL

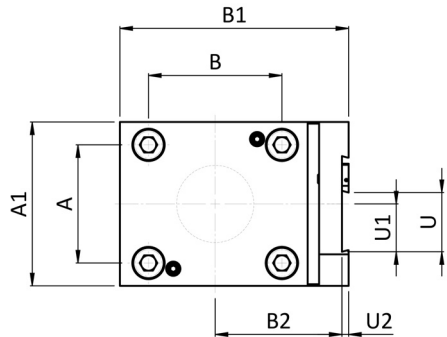
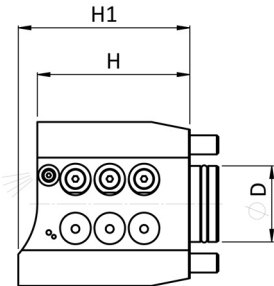


Codice - code - code - Bestell	DMG MORI Part. No.	D	U	U1	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2
E10/UT 0.75" NZX85	T00252	40	21	0,75"			75	85		62	70	78	115		
E10/UT 1" NZX85	T00359	40	26	1"			75	85		62	70	86	120		
E10/UT 20 NZX85	T00251	40	21	20			75	85		62	70	78	115		
E10/UT 25 NZX70		40	26	25			60	70		62	70	86	120		
E10/UT 25 NZX85	T0268	40	26	25			75	85		62	70	86	120		
E10/UL 25 NZX70		40	26	25			60	70		62	70	92	141,5		

6/NZ	Portautensile statico Static tool holder Porte-outil statique Statischer Werkzeughalter	Supporto per lama Blade Holder Porte-lame Klingenhalter	SH SH SH SH	Refrigerazione interna-esterna External and internal coolant supply Alimentation d'arrosage extérieur et intérieur Kühlschmierstoffzuführung extern und intern
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INT./EXT.



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

7/NZ

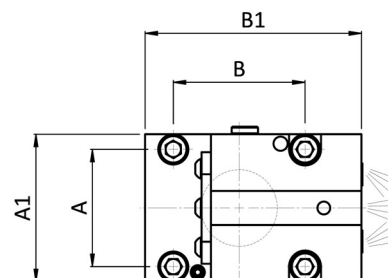
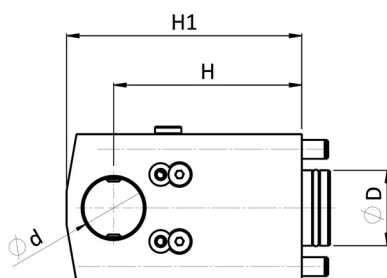


INT./EXT.


Portautensile statico
Static tool holder
Porte-outil statique
Statischer Werkzeughalter

Portabareno
Boring bar holder 90°
Support de barre d'alésage 90°
Bohrstangenhalter 90°

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Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern


Codice - code - code - Bestell	DMG MORI Part. No.	D	d	d1	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2
E10/BS 1.25" NZX100	T10119-T13135	40	Ø1,25"				100	125		62	70	78	115		
E10/BS 1.25" NZX145	T10261	40	Ø1,25"				145	175		62	70	78	115		
E10/BS 32 NZX100	T10115-T13132	40	Ø32				100	125		62	70	78	115		
E10/BS 32 NZX145	T10260	40	Ø32				145	175		62	70	78	115		

24

8/NZ

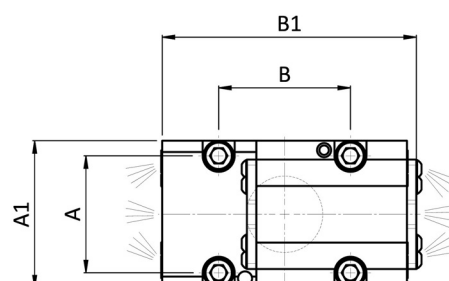
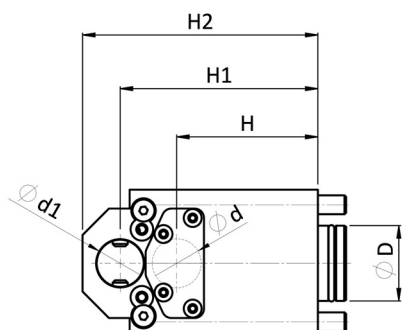
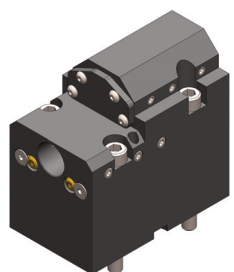


INT./EXT.


Portautensile statico
Static tool holder
Porte-outil statique
Statischer Werkzeughalter

Portabareno doppio
Boring bar holder 90°both side
Support de barre d'alésage 90°des deux côtés
Bohrstangenhalter 90°beidseitig

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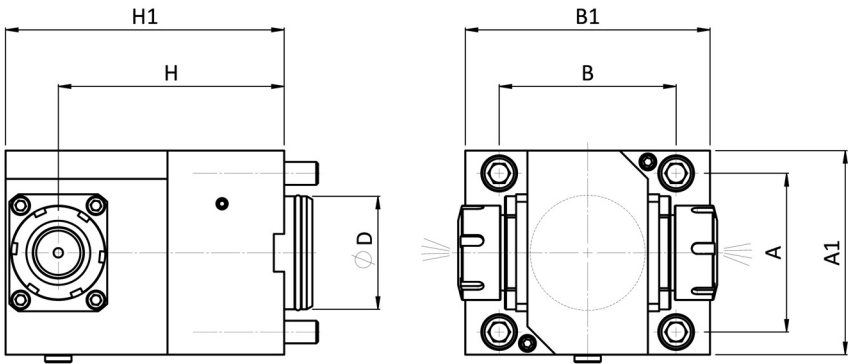
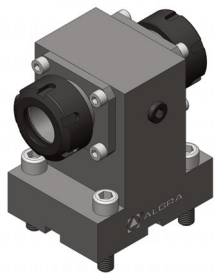
Refrigerazione interna-esterna
External and internal coolant supply
Alimentation d'arrosage extérieur et intérieur
Kühlschmierstoffzuführung extern und intern


Codice - code - code - Bestell	DMG MORI Part. No.	D	d	d1	L1	L2	H	H1	H2	A	B	A1	B1	A2	B2
E10/BD 1" NZX 75/105	T10139	40	Ø1"	Ø1"			75	105	125	62	70	78	135		
E10/BD 25 NZX 75/105	T10117	40	Ø25"	Ø25"			75	105	125	62	70	78	135		

9/NZ	Portautensile statico Static tool holder Porte-outil statique Statischer Werkzeughalter	Pinza di serraggio 90° - ER, entrambi i lati Collet Face 90° - ER, both side Deux Sorties ER Double Zwei Ausgänge ER Doppel	ER ER ER ER	Refrigerazione interna-esterna External and internal coolant supply Alimentation d'arrosage extérieur et intérieur Kühlschmierstoffzuführung extern und intern
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INT./EXT.



Codice - code - code - Bestell	DMG MORI Part. No.	D	ER	L1	L2	H	H1	H2	H3	A	B	A1	B1	A2	B2
E10/ER 32 DNZX90		40	32			90	116			62	70	78	100		

**La produzione:
il lavoro**

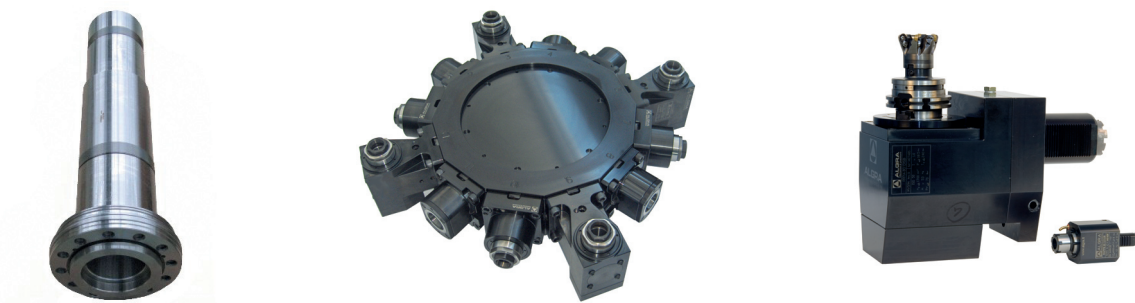
Production:
work

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

Distributors - Precision mechanics | Algra:



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