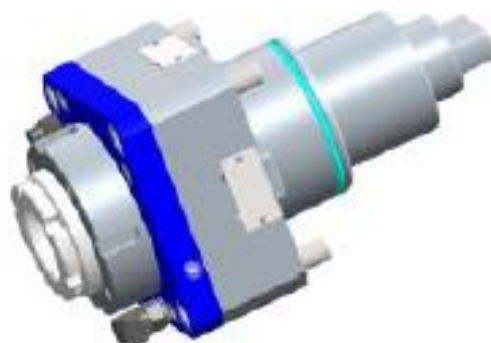
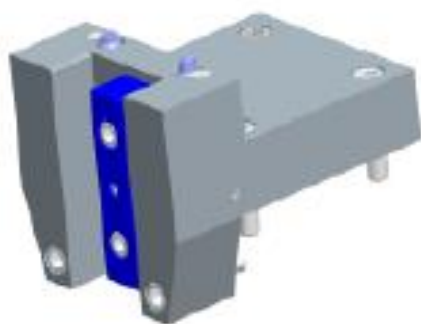




BARUFFALDI

MACHINE TOOL COMPONENTS

BMT45 Tool Holders Guide

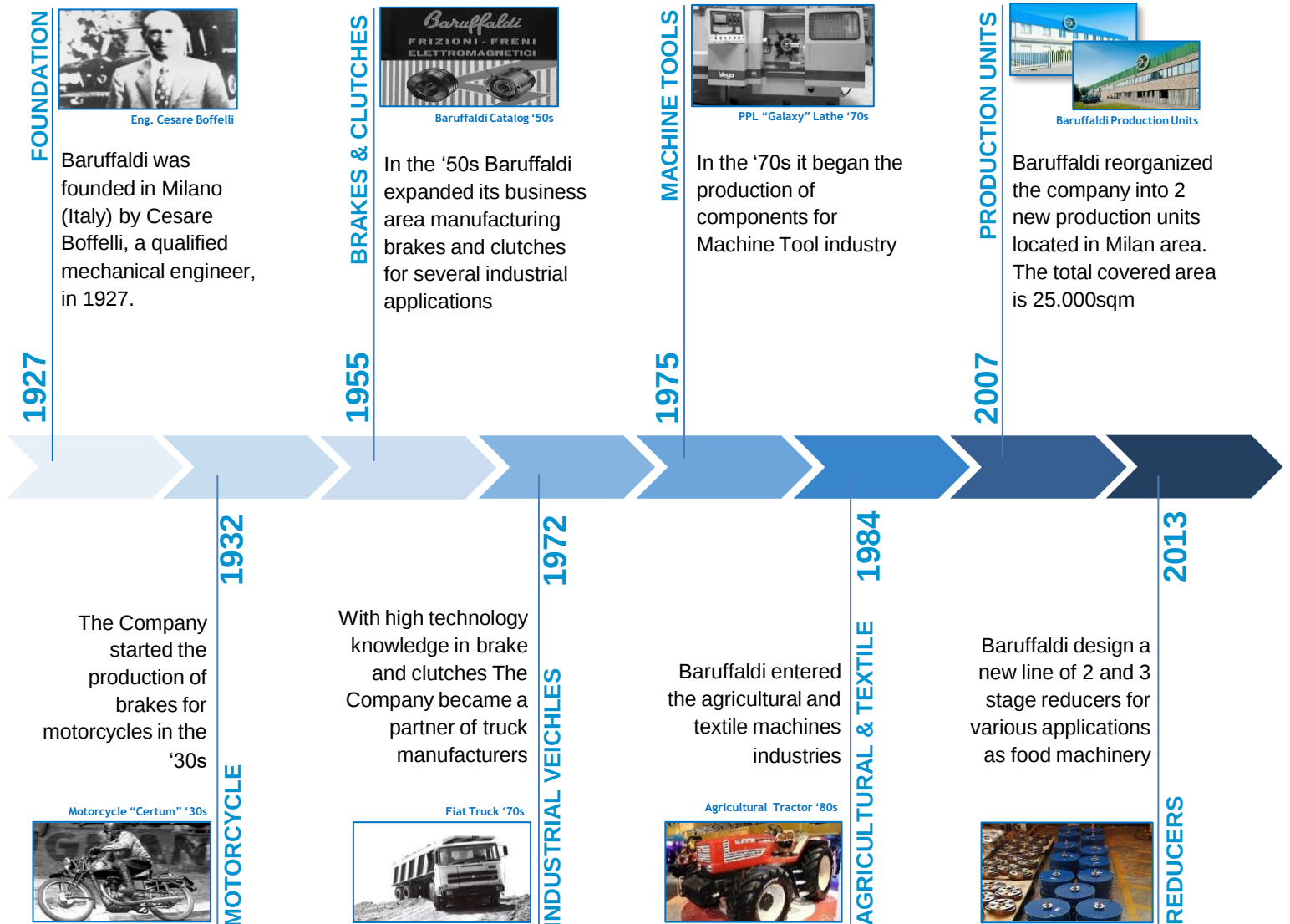


The Partner for Machine Tool Builders

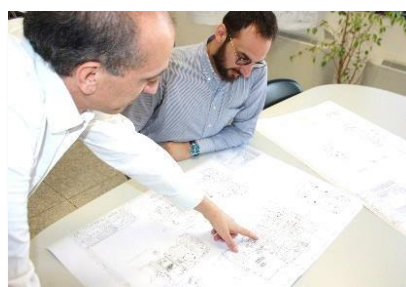
WWW.BARUFFALDI.IT

BARUFFALDI – Since 1927

More than 90 years of Italian mechanical excellence



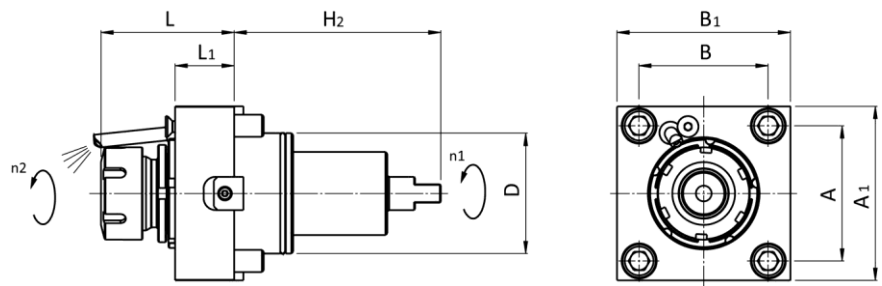
Today Baruffaldi, with over 90 years of experience, is one of the leaders in the Machine Tool Industry offering high quality products and services worldwide.



Baruffaldi, The Partner for Machine Tool Builders

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	4
		ER32 DIN6499		8000rpm	i=1:1	RAPPS 32 121UT45	RAPPS 32 131UT45	4
		ER16 DIN6499		32000rpm	i=1:4	RAPPS 16 122UT45		5
		ER16 DIN6499		16000rpm	i=1:2	RAPPD 16 1222UT45		5
90°		ER25 DIN6499	65mm	8000rpm	i=1:1	RRPPS 25 121UT45	RRPPS 25 131UT45	6
		ER25 DIN6499	85mm	8000rpm	i=1:1	RRPPS 25 321UT45	RRPPS 25 331UT45	6
		ER25 DIN6499	100mm	8000rpm	i=1:1	RRPPS 25 421UT45	RRPPS 25 431UT45	6
		ER32 DIN6499	65mm	8000rpm	i=1:1	RRPPS 32 121UT45	RRPPS 32 131UT45	6
		ER16 DIN6499	65mm	32000rpm	i=1:4	RRPPS 16 122UT45		7
		ER16 DIN6499	65mm	16000rpm	i=1:2	RRPPS 16 1222UT45		7
		Ø16mm DIN6358	65mm	8000rpm	i=1:1	RRPFS 16 121UT45		7
		Ø16mm DIN6358	85mm	8000rpm	i=1:1	RRPFS 16 321UT45		7
		Ø16mm DIN6358	100mm	8000rpm	i=1:1	RRPFS 16 421UT45		7
90° Double		ER25 DIN6499	65mm	8000rpm	i=1:1	RRPPT 25 121UT45		8
		ER25 DIN6499	85mm	8000rpm	i=1:1	RRPPT 25 321UT45		8
		ER25 DIN6499	100mm	8000rpm	i=1:1	RRPPT 25 421UT45		8
		ER32 DIN6499	65mm	8000rpm	i=1:1	RRPPT 32 121UT45		8
±90°		ER20 DIN6499		8000rpm	i=1:1	ROPFS 20 121UT45	ROPFS 20 131UT45	9

BMT45	Version	Tools Clamping	Center Height	Coolant	Part No.	Page
	O.D. cutting holder	□ 20mm	H:65mm	External	E10/U 20 T45X65	10
		□ 0.75"	H:65mm	External	E10/U 0.75" T45X65	10
	O.D. double holder	□ 20mm	H:85mm	External	E10/UD 20 T45X85	10
		□ 0.75"	H:85mm	External	E10/UD 0.75" T45X85	10
	Face and I.D. cutting holder	□ 20mm	H:60mm	External	E10/UA 20 T45X60	11
		□ 0.75"	H:60mm	External	E10/UA 0.75" T45X60	11
		□ 20mm	H:90mm	External	E10/UA 20 T45X90	11
		□ 0.75"	H:90mm	External	E10/UA 0.75" T45X90	11
	Blade Holder	⌈ 26mm	H:90mm	External	E10/TT 26 T45X90	11
	Index cutting holder	□ 20mm	H:85mm	External	E12/IDS20 T45X85	12
		□ 0.75"	H:85mm	External	E10/IDS0.75" T45X85	12
	Boring Bar holder	∅ 32mm	H:65mm	Int/Ext	E10/B 32 T45X65	12
		∅ 1.25"	H:65mm	Int/Ext	E10/B 1.25" T45X65	12
		∅ 25mm	H:80mm	Int/Ext	E10/B 25 T45X80	12
		∅ 32mm	H:80mm	Int/Ext	E10/B 32 T45X80	12
		∅ 0.75"	H:80mm	Int/Ext	E10/B 0.75" T45X80	12
		∅ 1.25"	H:80mm	Int/Ext	E10/B 1.25" T45X80	12
	Boring Bar holder	∅ 20mm	H:80mm	Int/Ext	E10/BN 20 T45X80	12
		∅ 0.75"	H:80mm	Int/Ext	E10/BN 0.75" T45X80	12
	Boring Bar holder	∅ 25mm	H:50mm/90mm	Int/Ext	E10/BD 25 T45X50/90	13
		∅ 1"	H:50mm/90mm	Int/Ext	E10/BD 1" T45X50/90	13
	Boring Bar holder	∅ 25mm	H:50mm/90mm	Int/Ext	E10/BDN25 T45X50/90	13
		∅ 1"	H:50mm/90mm	Int/Ext	E10/BDN1" T45X50/90	13
	Index Boring Bar holder	∅ 32mm/16mm	H:65mm	Int/Ext	E12/IBD32/16 T45X65	14
		∅ 1.25"/0.5"	H:65mm	Int/Ext	E12/IBD1.25"/0.5" T45X65	14
	Boring Bar holder	∅ 20mm	H:50mm/75mm/100mm	Int/Ext	E10/BQ 20 T45X50/100	14
		∅ 0.75"	H:50mm/75mm/100mm	Int/Ext	E10/BQ 0.75" T45X50/100	14



1/BMT45

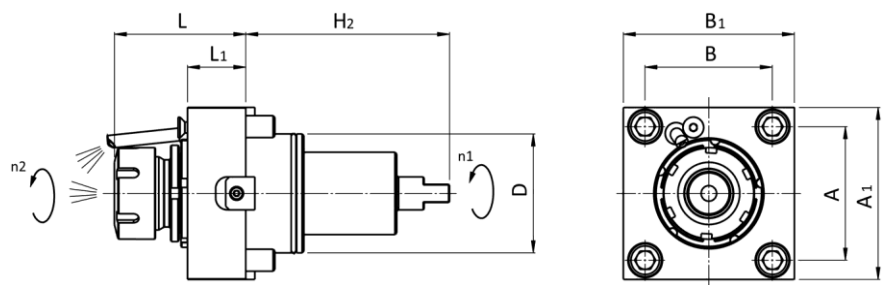
0°

DIN 6499

+1 (1:1)

EXTERNAL

Codice		D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code	code Bestell Nr.						(minmax)									Nm	min	kW
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



2/BMT45

0°

DIN 6499

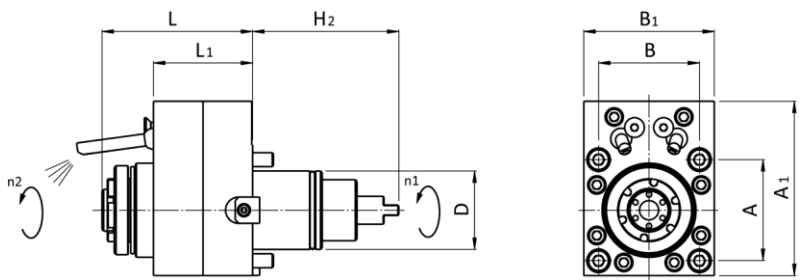
+1 (1:1)

INT./EXT.

80 bar

Filtration 30µm

Codice		D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code	code Bestell Nr.						(minmax)									Nm	min	kW
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



3/BMT45

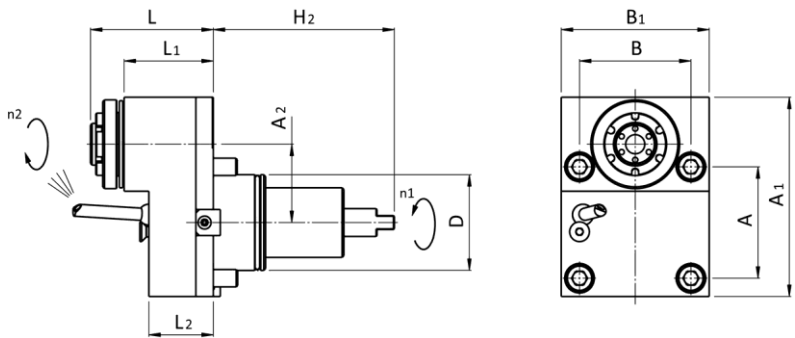
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DIN 6499

+4 (1:4)

EXTERNAL

Codice		D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code	code Bestell Nr.						(minmax)									Nm	min	kW
RAPPS 16	122UT45	45	16			84	82,5+86,5	57		58	58	100	75			12	32000	3



4/BMT45

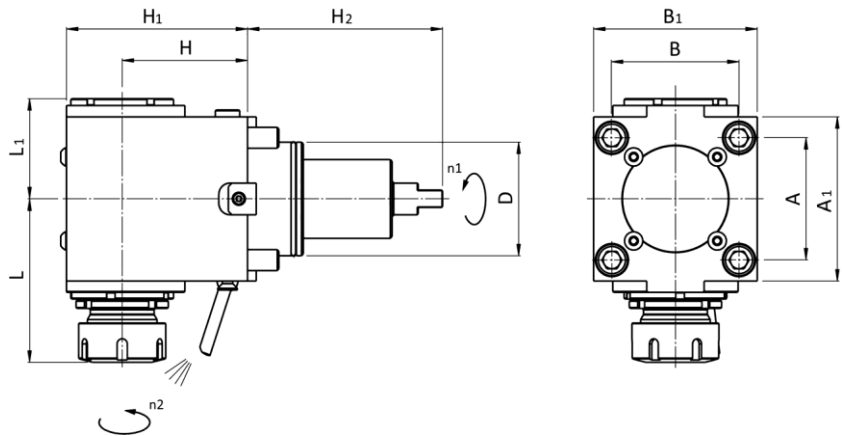
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DIN 6499

-2 (1:2)

EXTERNAL

Codice		D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code	code Bestell Nr.						(minmax)									Nm	min	kW
RAPPD 16	1222UT45	45	16			84	66,8+70,5	51,3	37	58	58	109,5	75	45		15	16000	4



5/BMT45

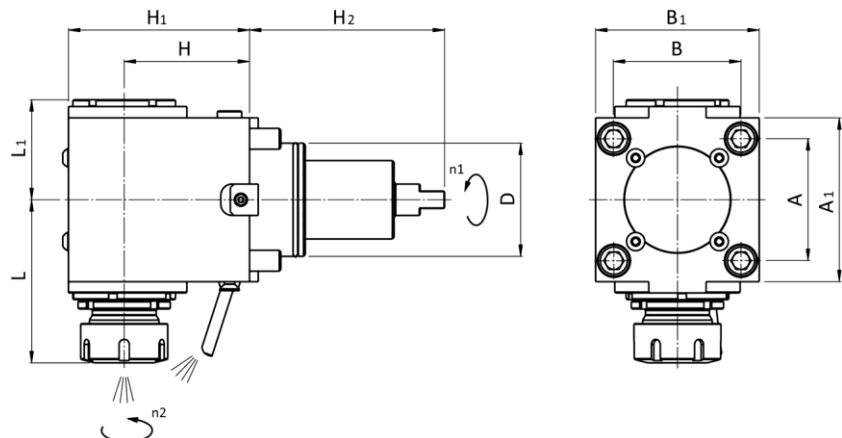
90°

DIN 6499

-1 (1:1)

EXTERNAL

Codice			D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code code Bestell Nr.								(minmax)									Nm	min	kW
RRPPS 25	121	UT45	45	25	65	95	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 32	121	UT45	45	32	65	97	84	89,9÷93,6	57,4		58	58	75	75			35	8000	6
RRPPS 25	321	UT45	45	25	85	115	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 25	421	UT45	45	25	100	130	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6



6/BMT45

90°

DIN 6499

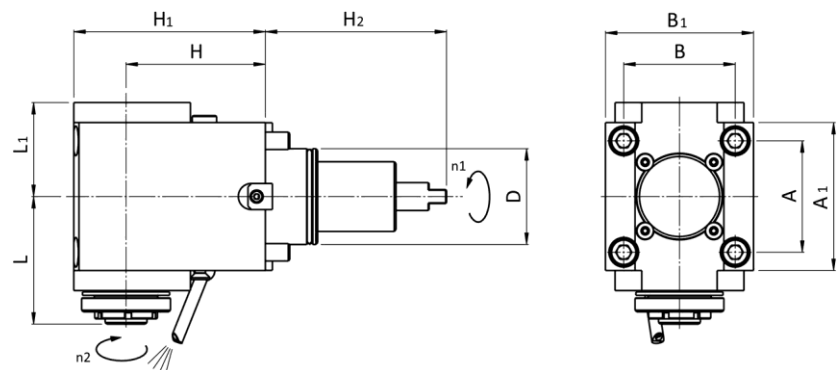
-1 (1:1)

INT./EXT.

80 bar

Filtration 30µm

Codice			D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code code Bestell Nr.								(minmax)									Nm	min	kW
RRPPS 25	131	UT45	45	25	65	95	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 32	131	UT45	45	32	65	97	84	89,9÷93,6	63,4		58	58	75	75			35	8000	6
RRPPS 25	331	UT45	45	25	85	115	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6
RRPPS 25	431	UT45	45	25	100	130	84	81,2÷84,9	52,2		58	58	75	75			35	8000	6



7/BMT45

90°

DIN 6499

+4 (1:4)

EXTERNAL

Codice	D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code code Bestell Nr.						(minmax)									Nm	min1	kW
RRPPS 16 122UT45	45	16	65	95	84	66÷69,7	52,5		58	58	75	75			12	32000	3

7/BMT45

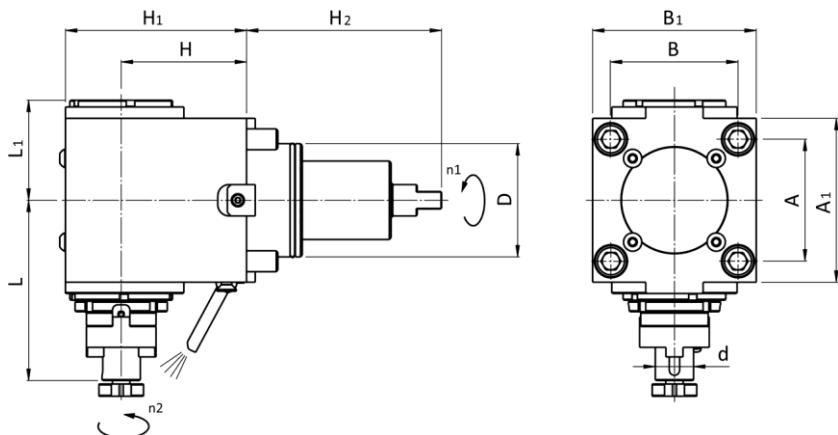
90°

DIN 6499

+2 (1:2)

EXTERNAL

Codice	D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
code code Bestell Nr.						(minmax)									Nm	min1	kW
RRPPS 16 1222UT45	45	16	65	95	84	69,6÷73,3	54		58	58	75	75			15	16000	4



8/BMT45

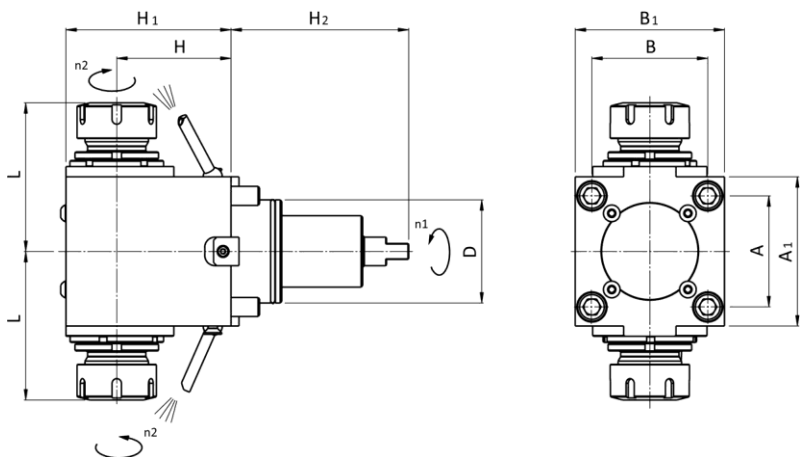
90°

DIN 6358

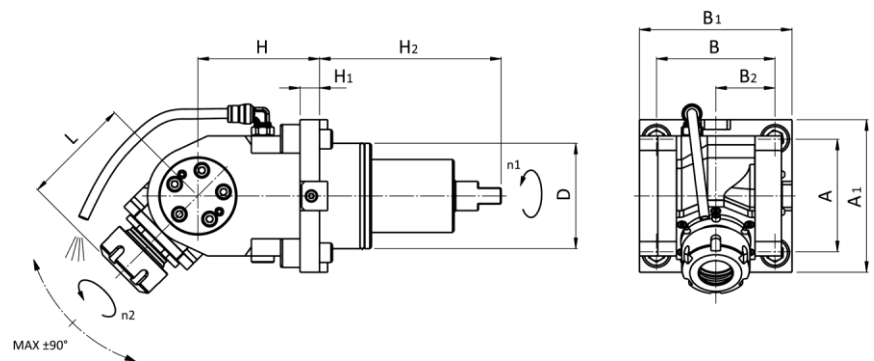
-1 (1:1)

EXTERNAL

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	1	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



9/BMT45			Codice		D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M ₂	n ₂	P
			code	code Bestell Nr.						(minmax)									Nm	min	kW
90°	DIN 6499	±1 (1:1)	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
EXTERNAL																					



10/BMT45

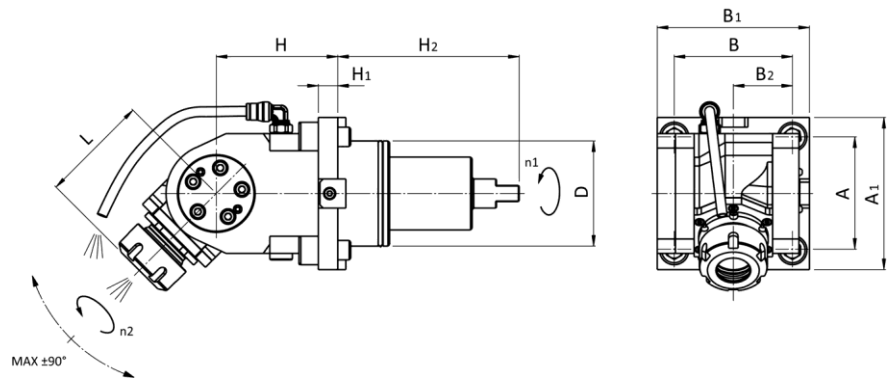
±90°

DIN 6499

+1 (1:1)

EXTERNAL

Codice	D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M2	n2	P
code code Bestell Nr.						(minmax)									Nm	min1	kW
ROPPS 20 121UT45	45	20	65	12	84	48,8÷52,5			58	58	75	75		29	15	8000	3



11/BMT45

±90°

DIN 6499

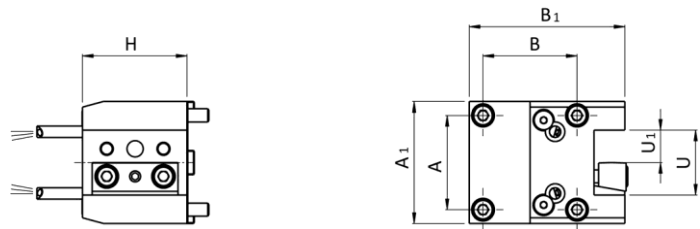
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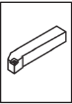
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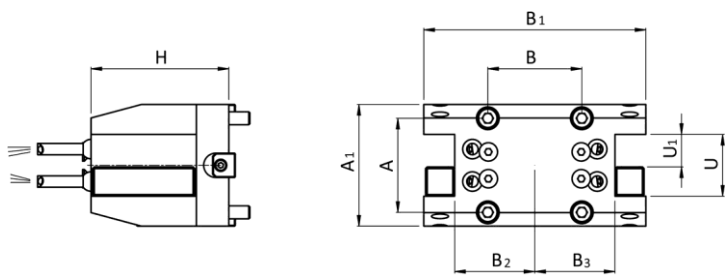
80 bar

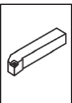
Filtration 30µm

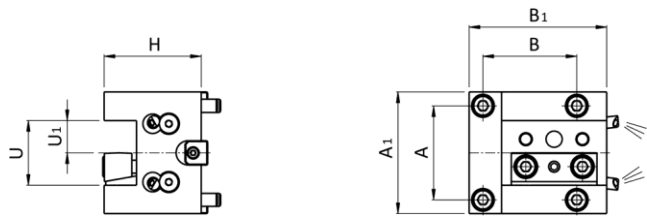
Codice	D	ER	H	H1	H2	L	L1	L2	A	B	A1	B1	A2	B2	M2	n2	P
code code Bestell Nr.						(minmax)									Nm	min1	kW
ROPPS 20 131UT45	45	20	65	12	84	48,8÷52,5			58	58	75	75		29	15	8000	3

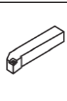


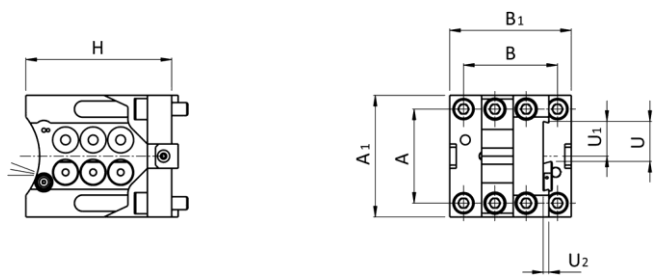
101/BMT45		Codice	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
  EXTERNAL		E10/U 20 T45X65	40	20		65				58	58	75	96			
		E10/U 0.75" T45X65	1.5"	0.75"		65				58	58	75	96			



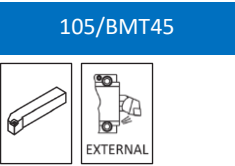
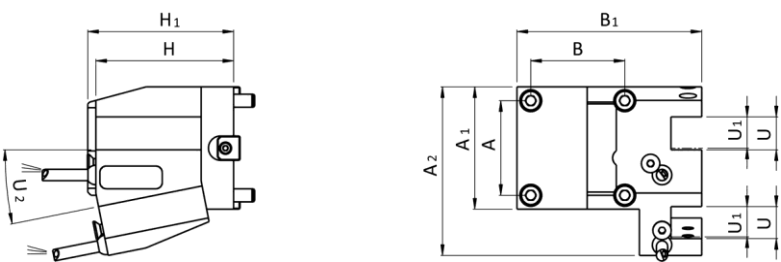
102/BMT45		Codice	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
  EXTERNAL		E10/UD 20 T45X85	40	20		85				58	58	75	137		49,5	49,5
		E10/UD 0.75" T45X85	1.5"	0.75"		85				58	58	75	137		49,5	49,5



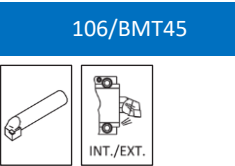
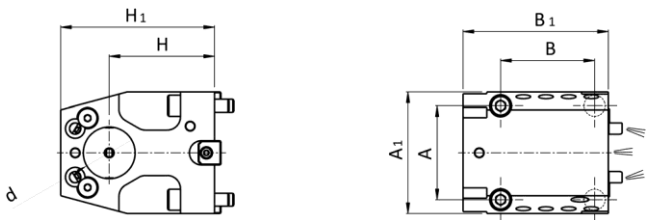
103/BMT45		Codice	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
 	E10/UA 20 T45X60		40	20		60				58	58	75	85			
	E10/UA 0.75" T45X60		1.5"	0.75"		60				58	58	75	85			
	E10/UA 20 T45X90		40	20		90				58	58	75	85			
	E10/UA 0.75" T45X90		1.5"	0.75"		90				58	58	75	85			



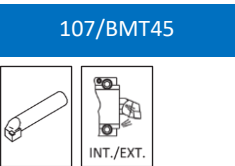
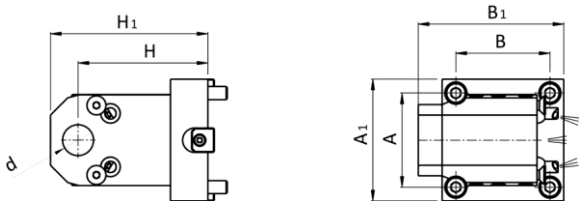
104/BMT45		Codice	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
 	E10/TT 26 T45X90		26	21	2,36	90				58	58	75	75			



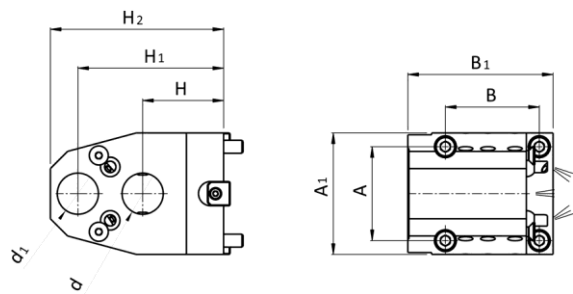
Codice	U	U1	U2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
code code Bestell Nr.														
E12/IDS20 T45X85	20,5	20	11,25°	85	90			58	58	75	114	103,5		
E12/IDS0.75" T45X85	20,5	0.75"	11,25°	85	90			58	58	75	114	103,5		

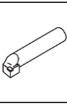


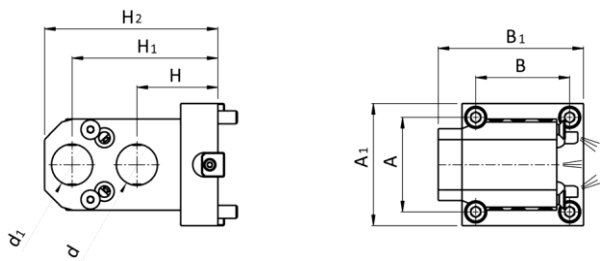
Codice	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
code code Bestell Nr.														
E10/B 32 T45X65	Ø 32			65	95			58	58	75	90			
E10/B 1.25" T45X65	Ø 1.25"			65	95			58	58	75	90			
E10/B 32 T45X80	Ø 32			80	110			58	58	75	90			
E10/B 1.25" T45X80	Ø 1.25"			80	115			58	58	75	90			



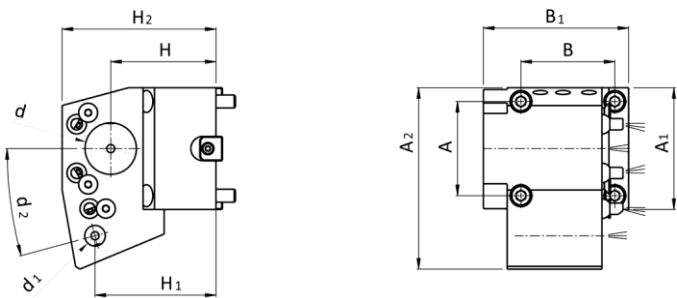
Codice	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
code code Bestell Nr.														
E10/BN 20 T45X80	Ø 20			80	100			58	58	75	90			
E10/BN 0.75" T45X80	Ø 0.75"			80	100			58	58	75	90			

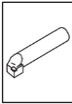


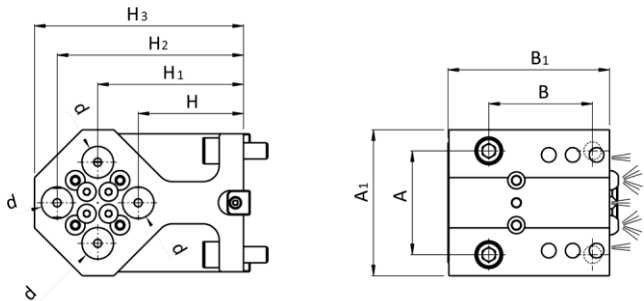
108/BMT45		Codice	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
		E10/BD 25 T45X50/90	Ø 25	Ø 25		50	90	107		58	58	75	90			
		E10/BD 1" T45X50/90	Ø 1"	Ø 1"		50	90	107		58	58	75	90			

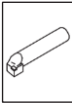


109/BMT45		Codice	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
		E10/BDN25 T45X50/90	Ø 25	Ø 25		50	90	107		58	58	75	90			
		E10/BDN1" T45X50/90	Ø 1"	Ø 1"		50	90	107		58	58	75	90			



110/BMT45		Codice	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
 		E12/IBD32/16 T45X65	Ø 32	Ø 16	15°	65	75	95		58	58	75	90	112		
		E12/IBD1.25"/0.5" T45X65	Ø1.25"	Ø0.5"	15°	65	75	95		58	58	75	90	112		



111/BMT45		Codice	d	d1	d2	H	H1	H2	H3	A	B	A1	B1	A2	B2	B3
		code code Bestell Nr.														
 		E10/BQ 20 T45X50/100	Ø 20			50	75	100	115	58	58	90	100			
		E10/BQ 0.75" T45X50/100	Ø0.75"			50	75	100	115	58	58	90	100			



Baruffaldi has developed a sales and service organisation all over the world.

Furthermore, thanks to a net of agents and distributors, it is ensured a direct contact in many nations.

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The technical data, dimensions and weight are subject to change without notice. The illustrations are for reference only.