

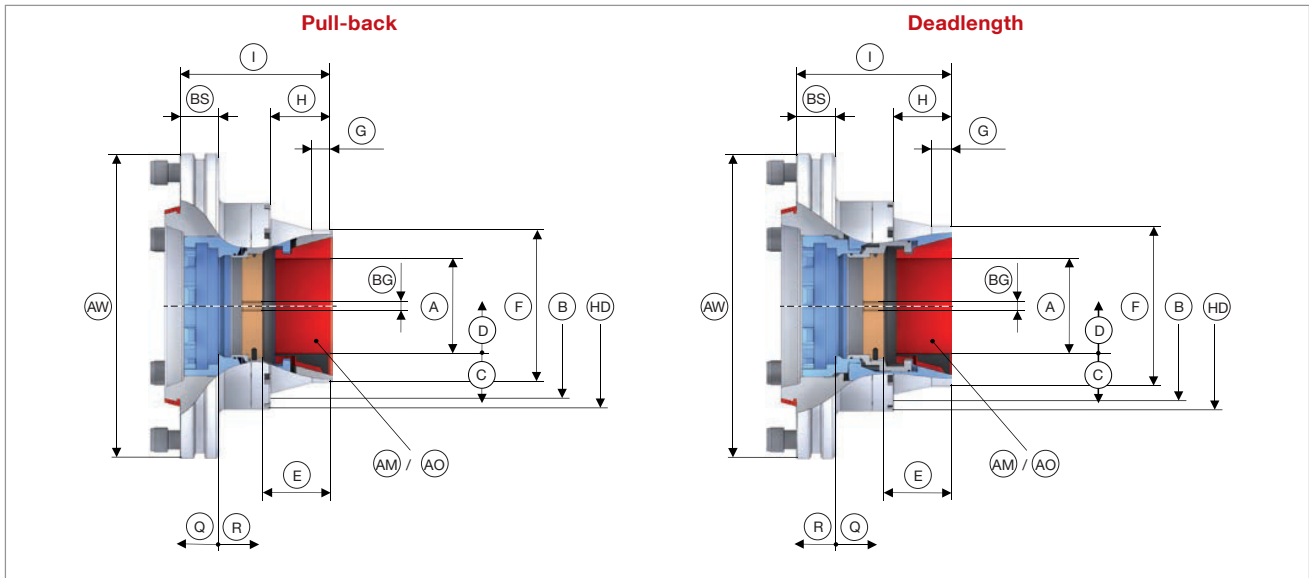
centroteX standard size M. Machine adapter with short taper / cylinder fit

		Short taper A2			Cylinder fit AP				
		A2-6			A2-8		AP170	AP220	
Spindle nose	DU								
Outer Ø 2 [mm]	HD	73 g7	76 g7	85 g7	91 g7	101 g7	110 g7	100 g7	118 g7
Ø Capacity [mm]	BQ	53	58	68	75	84	94	78	101,5
Repeatability [mm]		0,008							
Outer Ø [mm]	AW	320							
Connecting thread inside	S	M66 x 1,5	M70 x 1,5	M79 x 1,5	M85 x 1,5	M95 x 1,5	M105 x 1,5	M85 x 1,5	M112 x 1,5
Depth of thread [mm]	M	23							
Thread position in the front end-stop [mm]	JB	10			19		26	7	
Bolt hole circle	V	LK Ø 133,4 [6 x M12]			LK Ø 171,4 [6 x M16]		LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]	
Total length [mm]	I	46			53		39	44	
Weight [kg]		22	21	22	25	24		21	23
In stock		✓	✓	✓	✓	✓	✓	✓	✓
Order no.		10687/0003	10687/0002	10687/0001	10687/0007	10687/0006	10687/0005	10687/0009	10687/0008

Machine spindle standard DIN 55026.

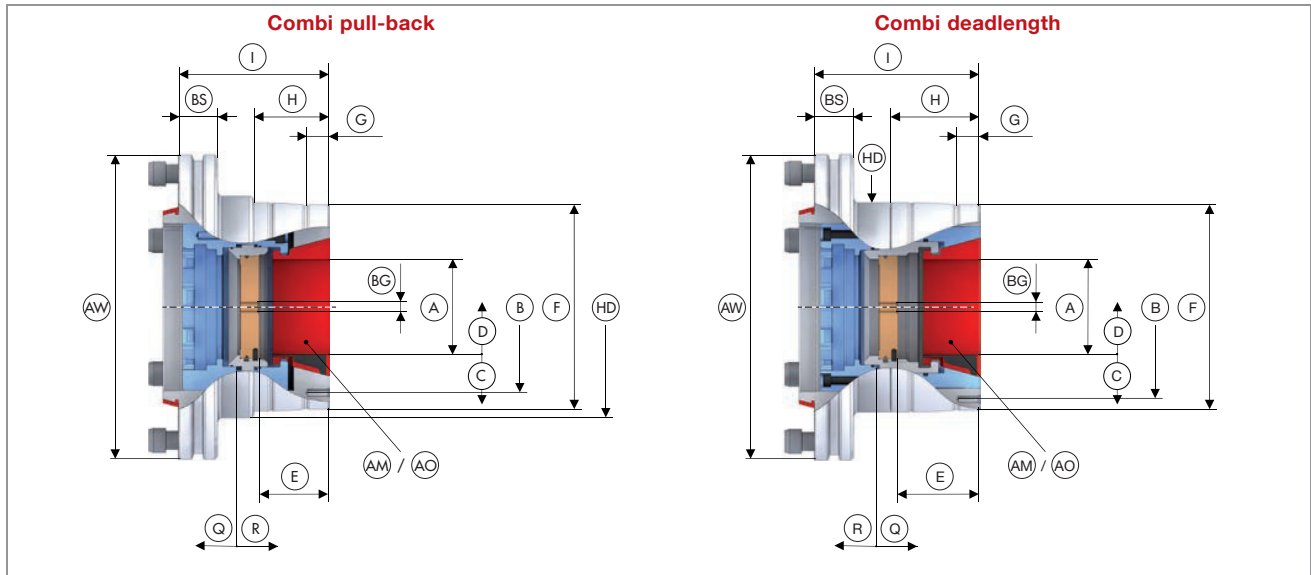
QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

centroteX standard size M. Clamping device adapter + TOPlus mini



Variant	Pull-back		Deadlength	
Size	65	100	65	100
Max. radial clamping force [kN]	120	172	120	172
Max. axial drawtube force [kN]	45	65		
Max. axial compression force [kN]			45	65
RPM n max. [1/min.]	6000	5000	6000	5000
Clamping range [mm]	A 4 – 65	15 – 100	4 – 65	16 – 100
Release stroke in Ø [mm]	C 0,6	2,0	0,6	2
Reserve stroke in Ø [mm]	D 1,0	1,5	1,0	1,5
Range / recommended workpiece tolerance [mm]	± 0,5	± 1,0	± 0,5	± 1,0
End-stop depth [mm]	E 54	72	54	74
End-stop thread size [M]	BG		12	
Location front end-stop	F Ø 129 f7	Ø 183 f7	Ø 137 f7	Ø 191 f7
Centering length [mm]	G	20	22	
Bolt hole circle end-stop	B LK Ø 112 [3 x M5]	LK Ø 160 [3 x M5]	LK Ø 154 [3 x M6]	LK Ø 208 [3 x M6]
Length [mm]	H 49	64	50	64
Length 2 [mm]	BS		41	
Total length [mm]	I 134,5	159	136	166
Reserve stroke axial [mm]	Q 2	3	2	3
Release stroke axial [mm]	R 2,5	5	2,5	5
Clamping head serrated	AM TOP 65	TOP 100	TOP 65	TOP 100
Clamping head smooth	AO TOP 65 G	TOP 100 G	TOP 65 G	TOP 100 G
Outer Ø [mm]	AW		320	
Outer Ø 2 [mm]	HD 167	216	170	220
Weight [kg]	29	41	29	43
In stock	✓	✓	✓	✓
Order no.	10693/0001	10693/0002	10694/0003	10694/0004

centroteX standard size M. Clamping device adapter + TOPlus



Variant	Combi pull-back		Combi deadlength	
Size	65	100	65	100
Max. radial clamping force [kN]	120	172	120	172
Max. axial drawtube force [kN]	45	65		
Max. axial compression force [kN]			45	65
RPM n max. [1/min.]	6000	5000	6000	5000
Clamping range [mm] A	4 – 65	15 – 100	4 – 65	15 – 100
Release stroke in Ø [mm] C	0,6	2,0	0,6	2
Reserve stroke in Ø [mm] D	1,0	1,5	1	1,5
Range / recommended workpiece tolerance [mm]	± 0,5	± 1,0	± 0,5	± 1
End-stop depth [mm] E	63,5	73	65	85,5
End-stop thread size [M] BG	12			
Location front end-stop F	Ø 145 f7	Ø 215 f7	Ø 160 f7	Ø 215 f7
Centering length [mm] G	20	23	17	23
Bolt hole circle end-stop B	LK Ø 126 [3 x M6]	LK Ø 180 [3 x M8]	LK Ø 141 [3 x M6]	LK Ø 192 [3 x M8]
Length [mm] H	66	78,5	71,5	94
Length 2 [mm] BS	41			
Total length [mm] I	154	161,5	148,5	173
Reserve stroke axial [mm] Q	2	3	2	3
Release stroke axial [mm] R	2,5	5	2,5	5
Clamping head serrated AM	TOP 65	TOP 100	TOP 65	TOP 100
Clamping head smooth AO	TOP 65 G	TOP 100 G	TOP 65 G	TOP 100 G
Outer Ø [mm] AW	320			
Outer Ø 2 [mm] HD	167	233	170	219
Weight [kg]	31	45	33	48
In stock	✓	✓	✓	✓
Order no.	10691/0001	10691/0002	10692/0001	10692/0002

Quick change-over systems

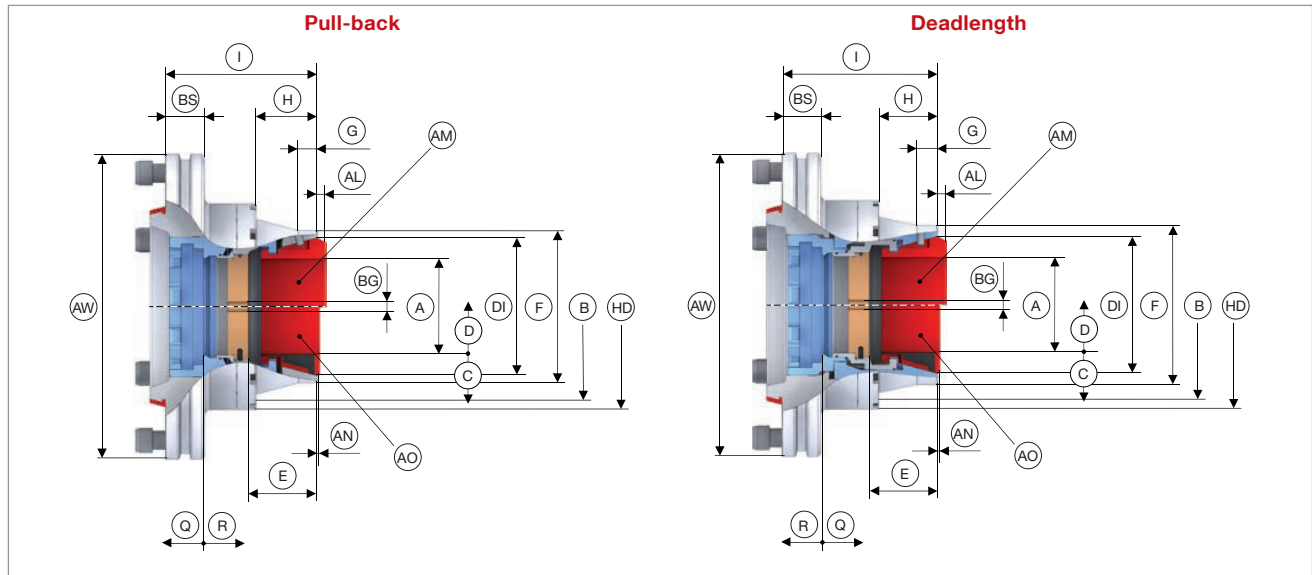
Clamping heads, Bushings, Jaws

Accessories

Multi spindles

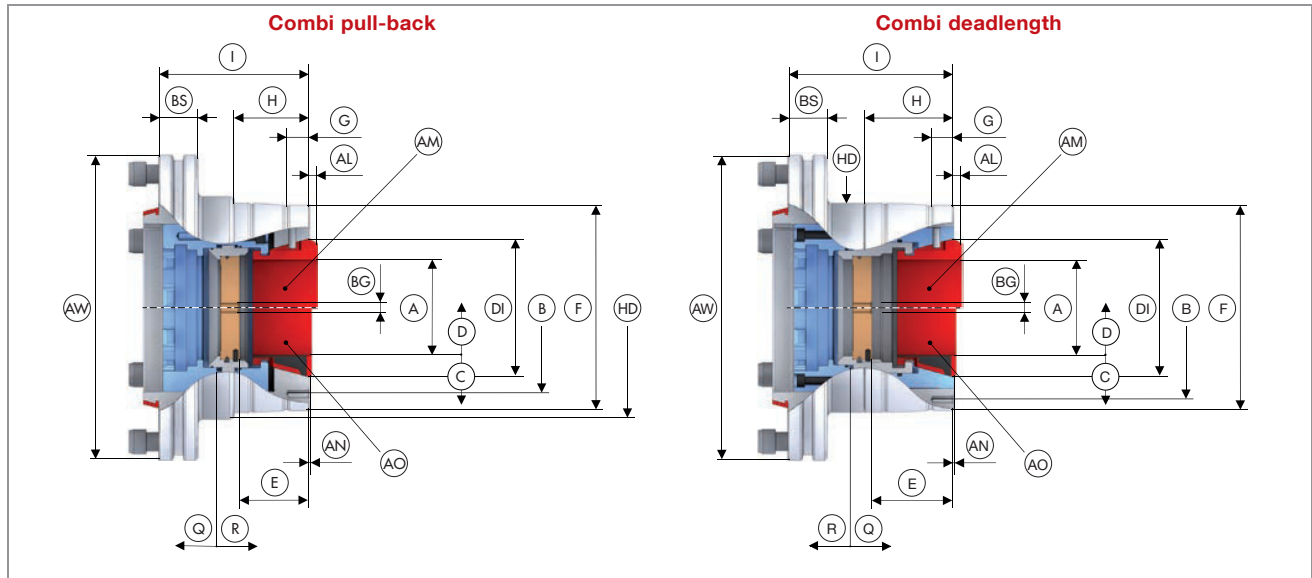
QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

centroteX standard size M. Clamping device adapter + SPANNTOP mini



Variant	Pull-back		Deadlength	
Size	65	100	65	100
Max. radial clamping force [kN]	105	150	105	150
Max. axial drawtube force [kN]	45	65		
Max. axial compression force [kN]			45	64
RPM n max. [1/min.]	6000	5000	6000	5000
Clamping range [mm] A	4 – 65	15 – 100	4 – 65	16 – 100
Release stroke in Ø [mm] C	0,6	2,0	0,6	2
Reserve stroke in Ø [mm] D	1,0	1,5	1,0	1,5
Range / recommended workpiece tolerance [mm]	± 0,5	± 1,0	± 0,5	± 1,0
End-stop depth [mm] E	54	72	54	74
End-stop thread size [M] BG	12			
Location front end-stop F	Ø 111 f7	Ø 160 f7	Ø 119 f7	Ø 168 f7
Centering length [mm] G	20		22	
Bolt hole circle end-stop B	LK Ø 148 [3 x M5]	LK Ø 200 [3 x M5]	LK Ø 145 [9 x M6]	LK Ø 208 [3 x M6]
Length [mm] H	47	64	50	64
Length 2 [mm] BS	41			
Total length [mm] I	134,5	159	136	166
Reserve stroke axial [mm] Q	2	3	2	3
Release stroke axial [mm] R	2,5	5	2,5	5
Clamping head serrated AM	SK 65 BZI	SK 100 BZ	SK 65 BZI	SK 100 BZ
Clamping head protrusion length serrated [mm] AL	9		9	
Clamping head smooth AO	SK 65 BZIG	SK 100 BZG	SK 65 BZIG	SK 100 BZG
Clamping head protrusion length smooth [mm] AN	4		4	
Head Ø [mm] DI	99,5	144,5	99,5	144,5
Outer Ø [mm] AW	320			
Outer Ø 2 [mm] HD	167	216	170	220
Weight [kg]	28	39	28	40,5
In stock	✓	✓	✓	✓
Order no.	10707/0001	10707/0002	10708/0003	10708/0004

centroteX standard size M. Clamping device adapter + SPANNTOP



Variant	Combi pull-back		Combi deadlength	
Size	65	100	65	100
Max. radial clamping force [kN]	105	150	105	150
Max. axial drawtube force [kN]	45	65		
Max. axial compression force [kN]			45	65
RPM n max. [1/min.]	6000	5000	6000	5000
Clamping range [mm] A	4 – 65	15 – 100	4 – 65	15 – 100
Release stroke in Ø [mm] C	0,6	2,0	0,6	2
Reserve stroke in Ø [mm] D	1,0	1,5	1	1,5
Range / recommended workpiece tolerance [mm]	± 0,5	± 1,0	± 0,5	± 1
End-stop depth [mm] E	63,5	73	65	85,5
End-stop thread size [M] BG	12			
Location front end-stop F	Ø 145 f7	Ø 215 f7	Ø 160 f7	Ø 215 f7
Centering length [mm] G	17	20	17	20
Bolt hole circle end-stop B	LK Ø 126 [3 x M6]	LK Ø 180 [3 x M8]	LK Ø 141 [3 x M6]	LK Ø 192 [3 x M8]
Length [mm] H	66	78,5	71,5	94
Length 2 [mm] BS	41			
Total length [mm] I	151	157,5	148,5	173
Reserve stroke axial [mm] Q	2	3	2	3
Release stroke axial [mm] R	2,5	5	2,5	5
Clamping head serrated AM	SK 65 BZI	SK 100 BZ	SK 65 BZI	SK 100 BZ
Clamping head protrusion length serrated [mm] AL	9		9	
Clamping head smooth AO	SK 65 BZIG	SK 100 BZG	SK 65 BZIG	SK 100 BZG
Clamping head protrusion length smooth [mm] AN	4		4	
Head Ø [mm] DI	99,5	144,5	99,5	
Outer Ø [mm] AW	320			
Outer Ø 2 [mm] HD	167	233	170	219
Weight [kg]	31	46	33	48
In stock	✓	✓	✓	✓
Order no.	10689/0001	10689/0002	10690/0001	10690/0002

Quick change-over systems

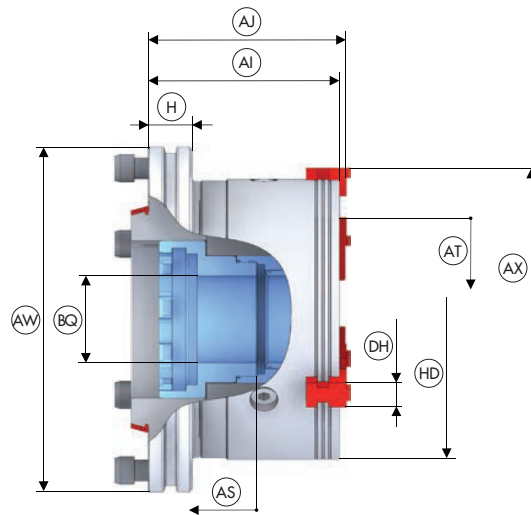
Clamping heads, Bushings, Jaws

Accessories

Multi spindles

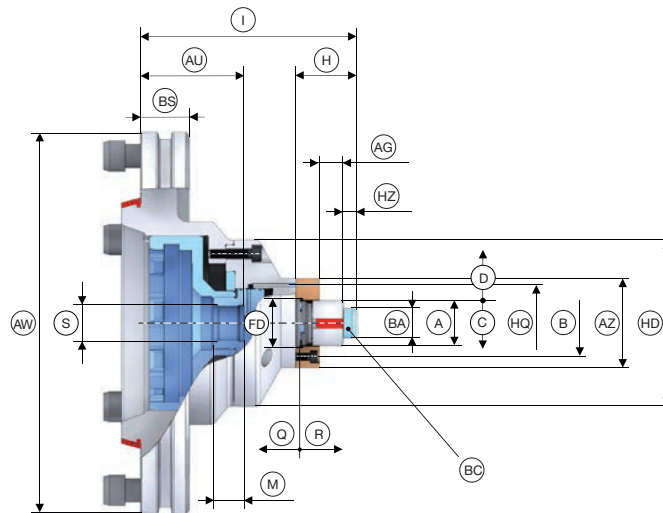
QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

centroteX standard size M. Clamping device adapter + jaw chuck B-Top



Size	165	260
Max. radial clamping force [kN]	41	115
Max. axial drawtube force [kN]	30	65
RPM n max. [1/min.]	6000	4000
Stroke per jaw [mm]	AT	5,9
Jaw width [mm]	DH	8,2
Piston stroke [mm]	AS	20
Swing Ø	AX	28
Length [mm]	H	191,4
Outer Ø [mm]	AW	41
Outer Ø 2 [mm]	HD	320
Length without jaws [mm]	AI	165
Length with jaws [mm]	AJ	159,3
Ø Capacity [mm]	BQ	177,3
Weight [kg]		43
In stock		81
Order no.	10688/0002	73
		10688/0001

centroteX standard size M. Clamping device adapter + mandrel MANDO T211

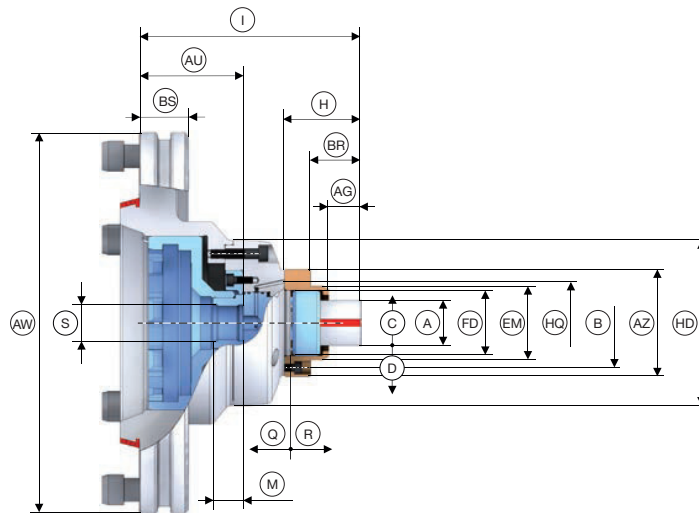


Size		0	1	2	3	4
Clamping range [mm]	A	20 – 28	26 – 38	36 – 54	50 – 80	69 – 115
Max. radial clamping force [kN]		42		85	105	150
Max. axial drawtube force [kN]		10		20	25	35
Max. clamping length [mm]	AG	22	26	43	49	59
RPM n max. [1/min.]			7000			6000
Draw bolt Ø [mm]	BA	19	25	35	49	68
Draw bolt head height [mm]	HZ	7,5		11		16
Reserve stroke in Ø [mm]	D		0,25		0,35	0,4
Release stroke in Ø [mm]	C		0,25		0,35	0,4
Reserve stroke axial [mm]	Q		1,5		2	2,5
Release stroke axial [mm]	R		2		2,5	3
Reception workpiece end-stop	FD	Ø 32 f7	Ø 41 f7	Ø 50 f7	Ø 65 f7	Ø 78 f7
Bolt hole circle end-stop	B	LK Ø 50 [3 x M6]	LK Ø 55 [3 x M6]	LK Ø 78 [3 x M6]	LK Ø 80 [3 x M6]	LK Ø 90 [3 x M6]
End-stop outer Ø [mm]	AZ	65	69	93	96	100
Length [mm]	H	40	51	71	78	95
Length 2 [mm]	BS			41		
Total length [mm]	I	171,5	181,5	201,5	211,5	226,5
Outer Ø [mm]	AW			320		
Outer Ø 2 [mm]	HD			139		
Connecting thread inside	S			M30 x 1,5		
Depth of thread [mm]	M			27		
Position in clamped position [mm]	AU			87		
Air sensing control bolt hole circle-Ø [mm]	HQ		64	76	78	91
Air sensing control bore Ø [mm]				3		
Central air system connection Ø [mm]				12		
Max. actuating torque [Nm]	BC	10	20	25	55	
Weight [kg]			29		30	31
In stock		✓	✓	✓	✓	✓
Order no.		10695/0001	10695/0002	10695/0003	10695/0004	10695/0005

For size 4, clamping range 101 - 120 mm, a max. speed of 4200 RPM applies.

QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

centroteX standard size M. Clamping device adapter + mandrel MANDO T212



Size		XXS	XS	S	0	1	2	3	4
Clamping range [mm]	A	8 – 13	13 – 19	16 – 21	20 – 28	26 – 38	36 – 54	50 – 80	69 – 100
Max. radial clamping force [kN]		42					85	105	150
Max. axial drawtube force [kN]		10					20	25	35
Max. clamping length [mm]	AG	8,2	15	21	25	40	44,5	52,5	
Reserve stroke in Ø [mm]	D	0,2		0,25			0,35	0,4	
Release stroke in Ø [mm]	C	0,2		0,25			0,35	0,4	
RPM n max. [1/min.]		7000					6000		
Reserve stroke axial [mm]	Q	1,5					2	2,5	2,5
Release stroke axial [mm]	R	1,5		2			2,5	3	
Reception workpiece end-stop	FD	Ø 34 f7	Ø 36 f7	Ø 39 f7	Ø 47 f7	Ø 55 f7	Ø 65 f7	Ø 83 f7	Ø 103 f7
Bolt hole circle end-stop	B	LK Ø 53 [3 x M5]	LK Ø 57 [3 x M5]	LK Ø 70 [3 x M6]	LK Ø 75 [3 x M6]	LK Ø 90 [3 x M6]	LK Ø 104 [3 x M6]	LK Ø 124 [3 x M6]	
End-stop outer Ø [mm]	AZ	65	70	90		104	120	138	
End-stop outer Ø 2 [mm]	EM	41	42	45	54	62	76	105	124
Length [mm]	H	45,5	47,5	58,5	64,5	80,5	87,5	97,5	
Length 2 [mm]	BS				41				
Depth [mm]	BR	36,5	38	44	47	62	66,5	77,5	
Total length [mm]	I	172	166,5	168,5	179,5	185,5	211,5		220
Outer Ø [mm]	AW				320				
Outer Ø 2 [mm]	HD				139				
Connecting thread inside	S				M30 x 1,5				
Depth of thread [mm]	M				27				
Position in clamped position [mm]	AU				87				
Air sensing control bolt hole circle-Ø [mm]	HQ	56	60	70		84	100	116	
Air sensing control bore Ø [mm]					3				
Central air system connection Ø [mm]					12				
Weight [kg]		29			30		31	32	33
In stock		✓	✓	✓	✓	✓	✓	✓	✓
Order no.		10696/0001	10696/0002	10696/0003	10696/0004	10696/0005	10696/0006	10696/0007	10696/0008