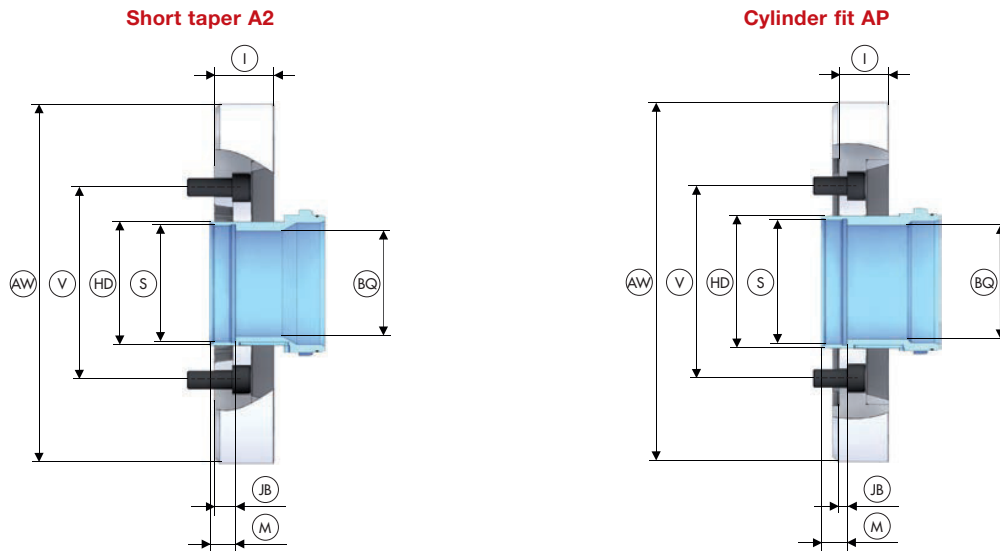


centroteX standard size M. Machine adapter with short taper / cylinder fit



Spindle nose	DU	A2-6			A2-8			AP170	AP220
Outer Ø 2 [mm]	HD	73 g7	76 g7	85 g7	91 g7	101 g7	110 g7	100 g7	129 g7
Ø Capacity [mm]	BQ	53	58	68	75	84	94	78	105,5
Repeatability [mm]		0,005							
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	M116 x 2
Depth of thread [mm]	M	23							
Thread position in the front end-stop [mm]	JB	10			19			26	31
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	22
In stock		✓	✓	✓	✓	✓	✓	✓	✓
Order no.		10687/0003	10687/0002	10687/0001	10687/0007	10687/0006	10687/0005	10687/0009	10687/0011

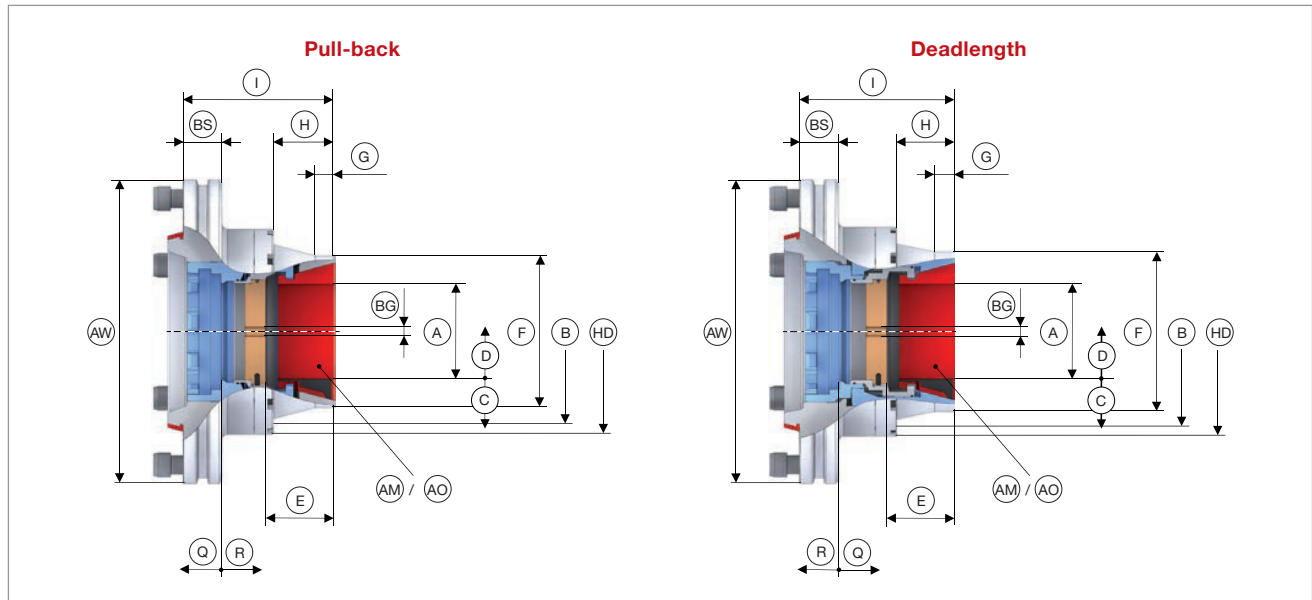
Machine spindle standard DIN 55026.

Scope of delivery

- Machine adapter
- Bayonet coupling

QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

centroteX standard size M. Clamping device adapter + TOPlus mini

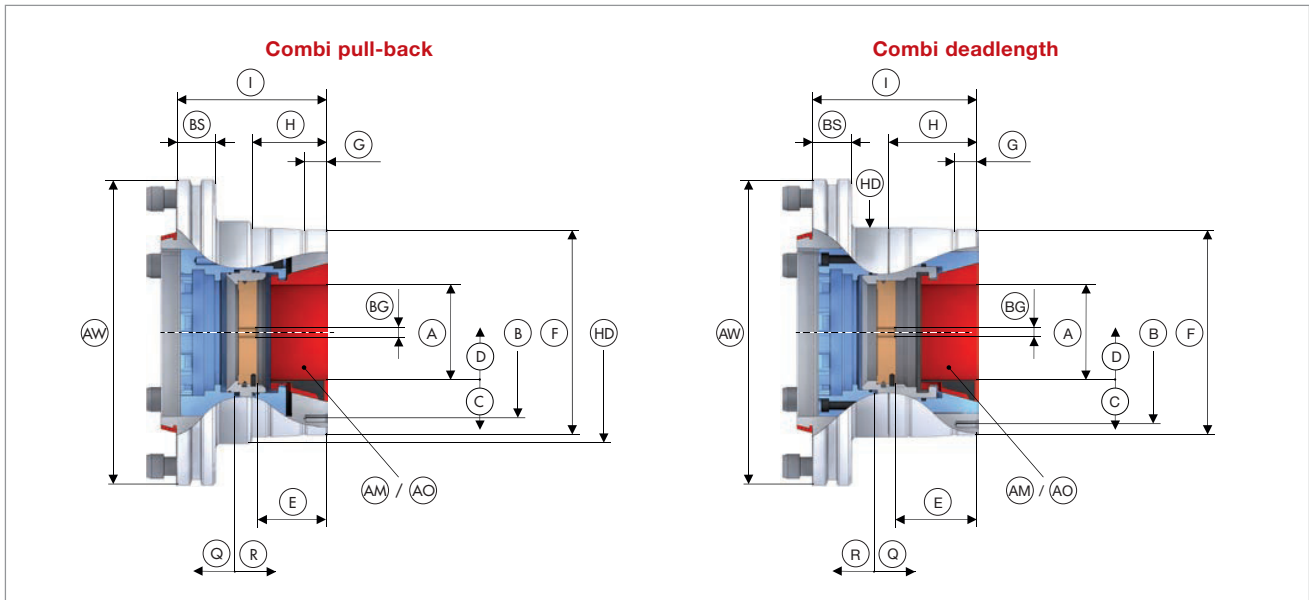


Variant	Pull-back		Deadlength	
Size	65	100	65	100
Max. radial clamping force [kN]	120	172	120	172
Max. axial drawtube force [pull / push] [kN]	45	65		
Max. axial compression force [kN]			45	65
RPM n max. [1/min.]	6000	5000	6000	5000
Clamping range [mm]	A 3 – 65	15 – 100	3 – 65	15 – 100
Release stroke in Ø [mm]	C 0,6	2,0	0,6	2
Reserve stroke in Ø [mm]	D 1,0	1,5	1,0	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

Scope of delivery

- Clamping device adapter
- Chuck

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 [pull / push] [kN]	45	65		
Max. axial compression force [kN]			45	65
RPM n max. [1/min.]	6000	5000	6000	5000
Clamping range [mm]	A 3 – 65	15 – 100	3 – 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

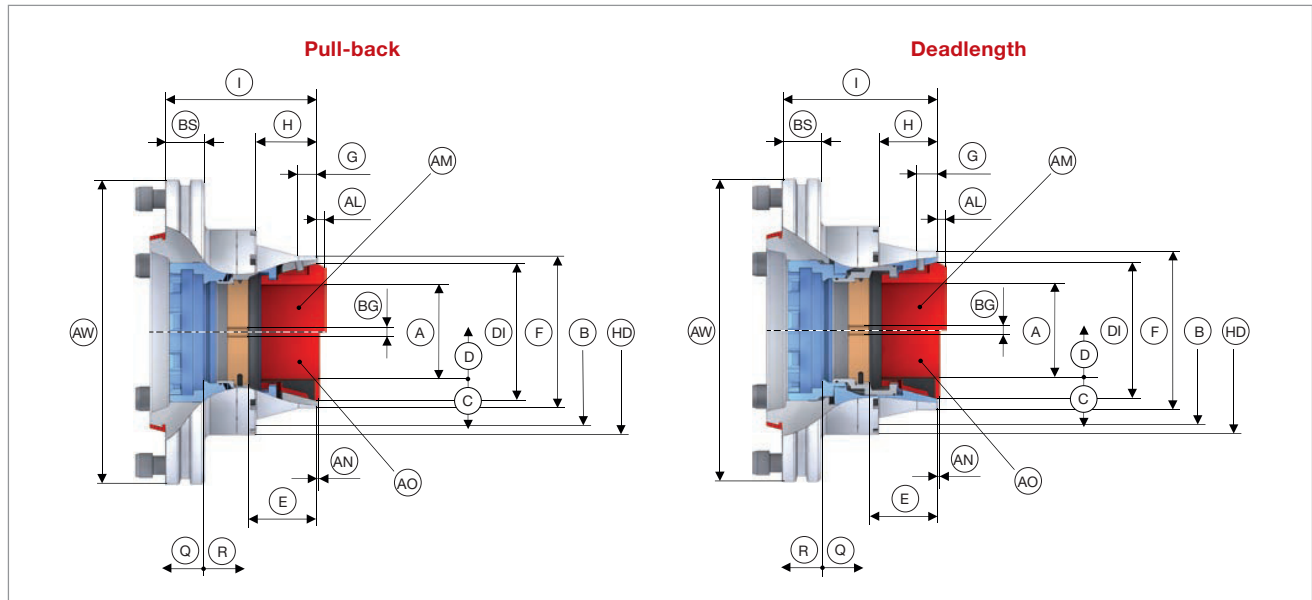
Scope of delivery

- Clamping device adapter
- Chuck

QUICK CHANGE-OVER SYSTEMS

centroteX / capteX / mandoteX

centroteX standard size M. Clamping device adapter + SPANNTOP mini

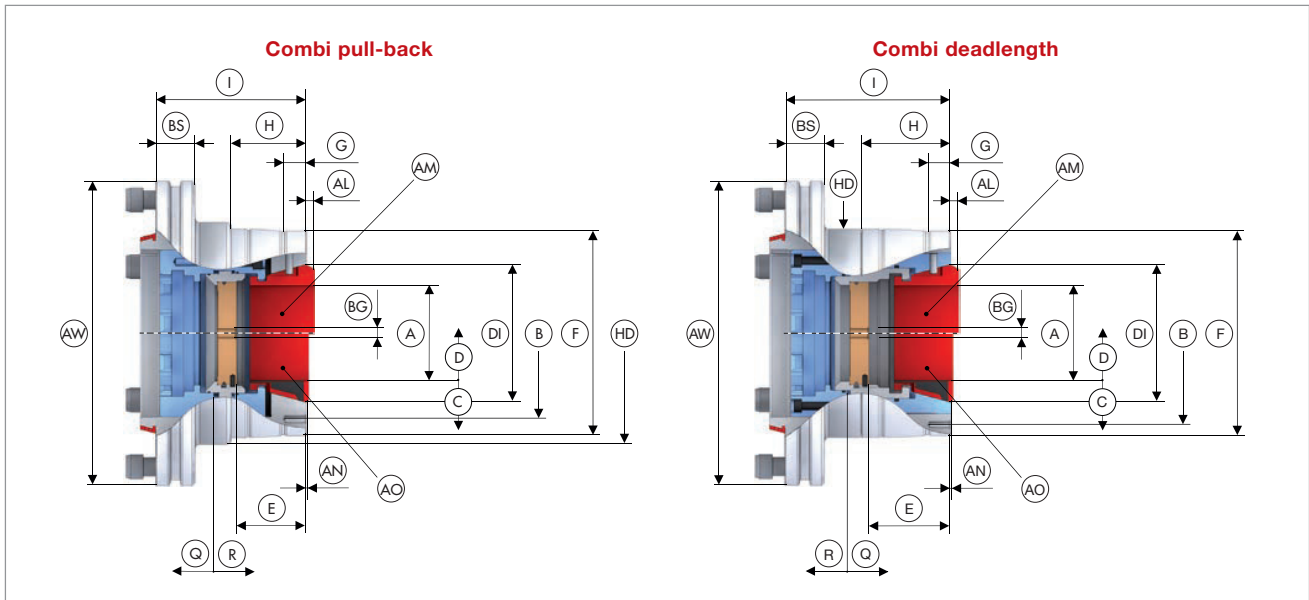


Variant	Pull-back		Deadlength		
Size	65	100	65	100	
Max. radial clamping force [kN]	105	150	105	150	
Max. axial drawtube force [pull / push] [kN]	45	65			
Max. axial compression force [kN]			45	64	
RPM n max. [1/min.]	6000	5000	6000	5000	
Clamping range [mm]	A	3 – 65	3 – 65	15 – 100	
Release stroke in Ø [mm]	C	0,6	2,0	0,6	2
Reserve stroke in Ø [mm]	D	1,0	1,5	1,0	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

Scope of delivery

- Clamping device adapter
- Chuck

centroteX standard size M. Clamping device adapter + SPANNTOP nova



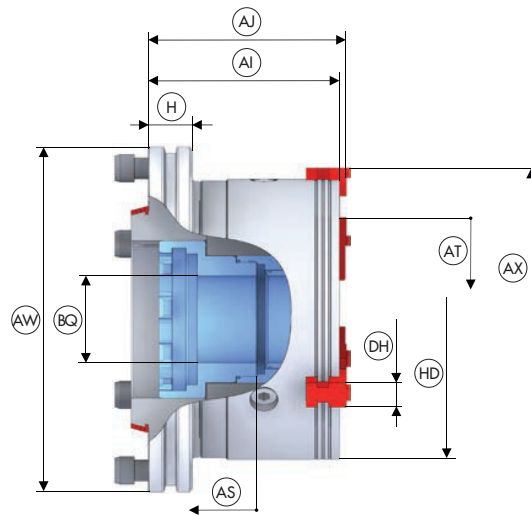
Variant	Combi pull-back		Combi deadlength	
Size	65	100	65	100
Max. radial clamping force [kN]	105	150	105	150
Max. axial drawtube force [pull / push] [kN]	45	65		
Max. axial compression force [kN]			45	65
RPM n max. [1/min.]	6000	5000	6000	5000
Clamping range [mm]	A 3 – 65	15 – 100	3 – 65	15 – 100
Release 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

Scope of delivery

- Clamping device adapter
- Chuck

QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

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



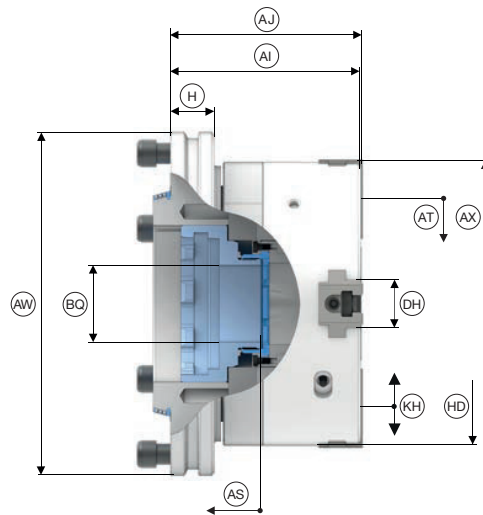
Size	165	260	315
Max. radial clamping force [kN]	41	115	160
Max. axial drawtube force [pull / push] [kN]	30	65	90
RPM n max. [1/min.]	6000	4000	3600
Stroke per jaw [mm] AT	5,9	8,2	8,6
Jaw width [mm] DH	20	26	32
Piston stroke [mm] AS	20		28
Swing Ø AX	191,4	315	375,4
Length [mm] H		41	
Outer Ø [mm] AW		320	
Outer Ø 2 [mm] HD	165	260	315
Length without jaws [mm] AI	159,3	177,3	201,6
Length with jaws [mm] AJ	164,7	183,5	212,3
Ø Capacity [mm] BQ	43	81	104
Weight [kg]	38	73	103
In stock	✓	✓	✓
Order no.	10688/0002	10688/0001	10688/0003

For size 315 please note: With machine spindles > A2-8 / AP220 we recommend that your machine builder checks the max. spindle bearing load.

Scope of delivery

- Clamping device adapter
- Chuck
- Master jaws
- Jaw release wrench
- Assembly wrench for revolving threaded ring [260/315]

centroteX standard size M. Clamping device adapter + InoFlex VT



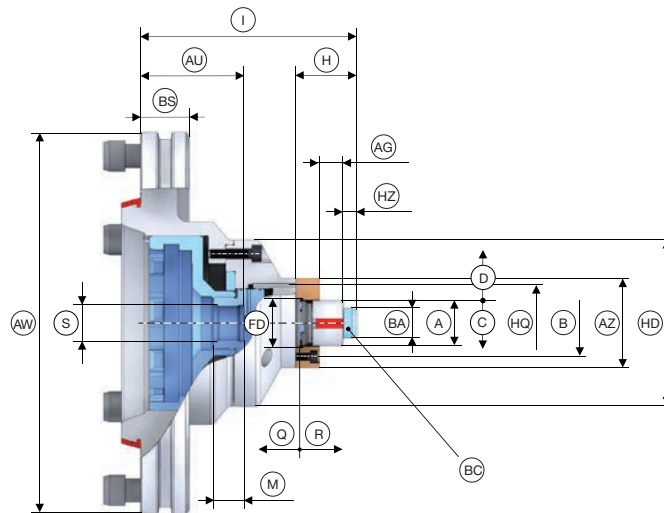
Size	165	260	315
Variant		VT	
Max. radial clamping force [kN]	52	125	150
Max. axial drawtube force [pull / push] [kN]	20	50	60
RPM n max. [1/min.]	5000	3750	2800
Stroke per jaw [mm]	AT 3,3	5,0	5,5
Jaw width [mm]	DH 32		40
Piston stroke [mm]	AS 15	22	24
Swing Ø	AX 178	274	326
Length [mm]	H 41		
Outer Ø [mm]	AW 320		
Outer Ø 2 [mm]	HD 168	264	315
Length without jaws [mm]	AI 154,9	177	200
Length with jaws [mm]	AJ 156,9	179	202
Ø Capacity [mm]	BQ 46	72	91
Ausgleichshub pro Backe [mm]	KH 2,3	4	4,5
Weight [kg]	37	70	106
In stock	✓	✓	✓
Order no.	10901/0001	10901/0002	10901/0003

Scope of delivery

- Clamping device adapter
- Chuck
- Top jaws, soft
- Jaw release wrench
- Assembly wrench for revolving threaded ring
- Cartridge grease [OKS 265]

QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

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



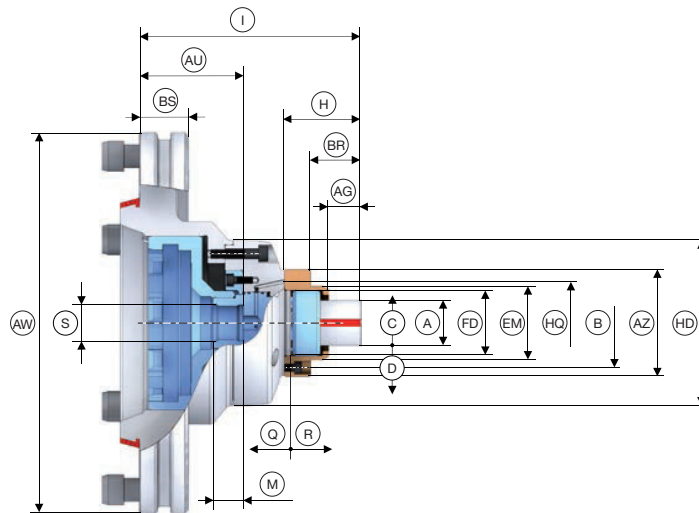
Size		0	1	2	3	4
Clamping range [mm]	A	20 – 28	26 – 38	36 – 54	50 – 80	69 – 120
Max. radial clamping force [kN]		42		85	105	150
Max. axial drawtube force [pull / push] [kN]		10		20	25	35
Max. clamping length [mm]	AG	22	26	43	49	59
RPM n max. [1/min.]			7000		6000	
Draw bolt Ø [mm]	BA	19	25	35	49	68
Draw 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]	KN			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.

Scope of delivery

- Clamping device adapter
- Mandrel without air sensing adapter
- Draw bolt

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



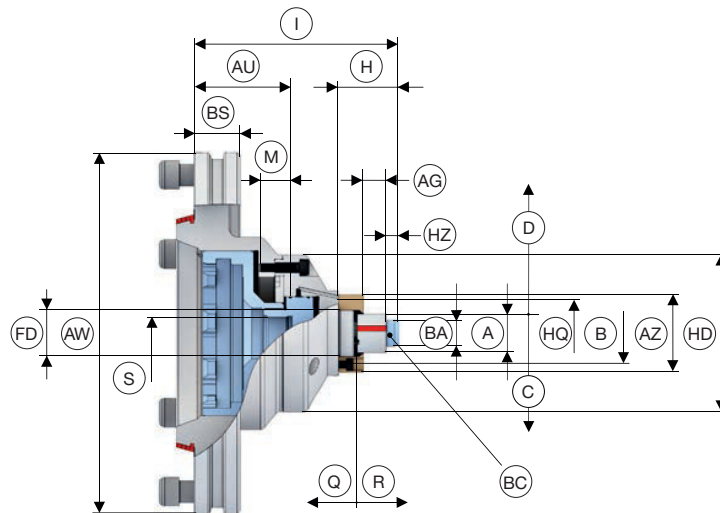
Size		XXS	XS	S	0	1	2	3	4
Clamping range [mm]	A	8 – 13	13 – 19	16 – 21	20 – 28	26 – 38	36 – 54	50 – 80	69 – 100
Max. radial clamping force [kN]				42			85	105	150
Max. axial drawtube force [pull / push] [kN]				10			20	25	35
Max. clamping length [mm]	AG	8,2	15		21	25	40	44,5	52,5
Reserve stroke in Ø [mm]	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
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]	KN				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

Scope of delivery

- Clamping device adapter
- Mandrel without air sensing adapter
- Coupling ring
- Mounting aid depending on size

QUICK CHANGE-OVER SYSTEMS
centroteX / capteX / mandoteX

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



Size		A	B	C	D	E	F	
Clamping range [mm]	A	18 – 24	20 – 32	24 – 39	32 – 50	39 – 68	50 – 100	
Max. radial clamping force [kN]		27	42	51	70	86	143	
Max. axial drawtube force [pull / push] [kN]		7,5	10	16	22	27	45	
Max. clamping length [mm]	AG	20	22,5	24	35,3	45,3		
RPM n max. [1/min.]		7000						
Draw bolt Ø [mm]	BA	17	19	23	31	38	49	
Draw bolt head height [mm]	HZ	7,5		11		11,2	11,7	
Reserve stroke in Ø [mm]	D	0,26		0,4				
Release stroke in Ø [mm]	C	0,18	0,17	0,26	0,3			
Reserve stroke axial [mm]	Q	2						
Release stroke axial [mm]	R	2			2,5			
Reception workpiece end-stop	FD	Ø 32 f7		Ø 55 f7	Ø 50 f7	Ø 65 f7		
Bolt hole circle end-stop	B	LK Ø 50 [3 x M6]		LK Ø 41 [3 x M6]	LK Ø 78 [3 x M6]	LK Ø 80 [3 x M6]		
End-stop outer Ø [mm]	AZ	65		69	93	96		
Length [mm]	H	40		53,5	71	78		
Length 2 [mm]	BS	32,5	40	40	51,5	61,5	62	
Total length [mm]	I	171,5	172	181,5	201,5	211,5		
Outer Ø [mm]	AW	320						
Outer Ø 2 [mm]	HD	139						
Connecting thread inside	S	M30 x 1,5						
Depth of thread [mm]	M	25,5						
Position in clamped position [mm]	AU	87						
Air sensing control bolt hole circle-Ø [mm]	HQ	58	64		82	84		
Air sensing control bore Ø [mm]	KN	3						
Central air system connection Ø [mm]		12						
Max. actuating torque [Nm]	BC	7	10	15	20	25	55	
Weight [kg]		28,5	29	28,5	29,2	30		
In stock		✓	✓	✓	✓	✓	✓	
Order no.		10925/0001	10925/0002	10925/0003	10925/0004	10925/0005	10925/0006	

Scope of delivery

- Clamping device adapter
- Mandrel without air sensing adapter
- Draw bolt