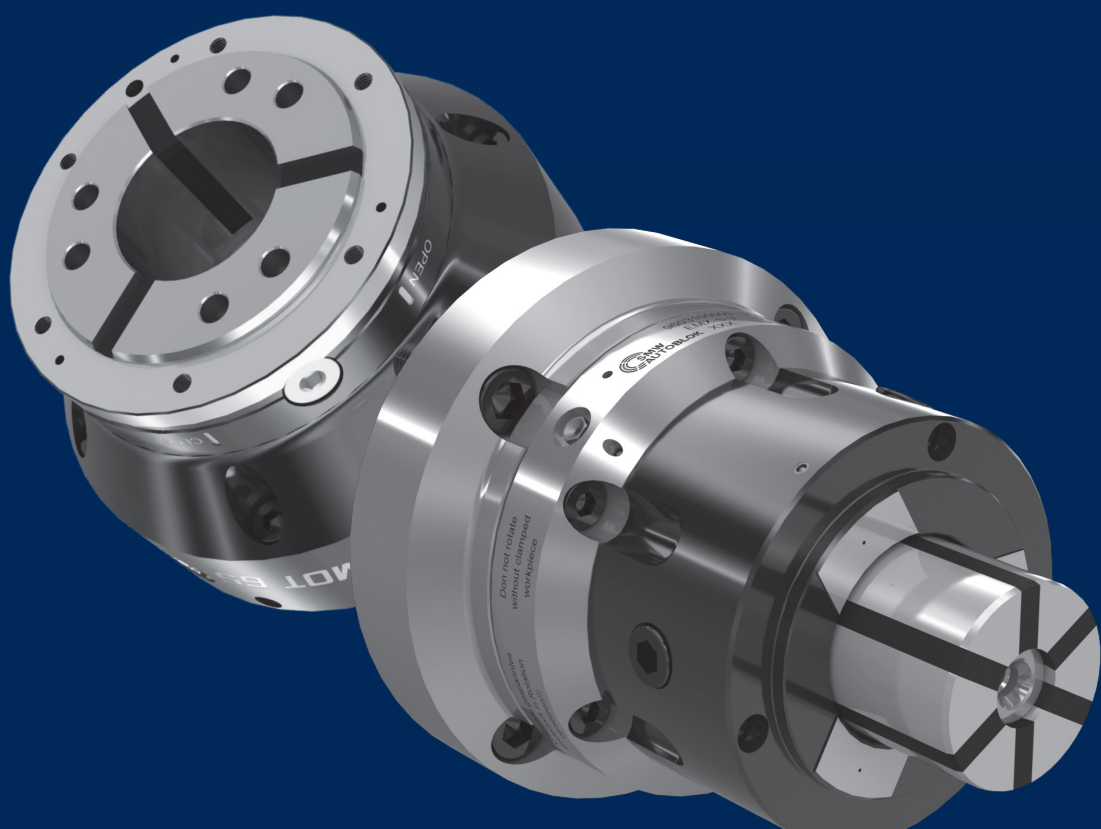
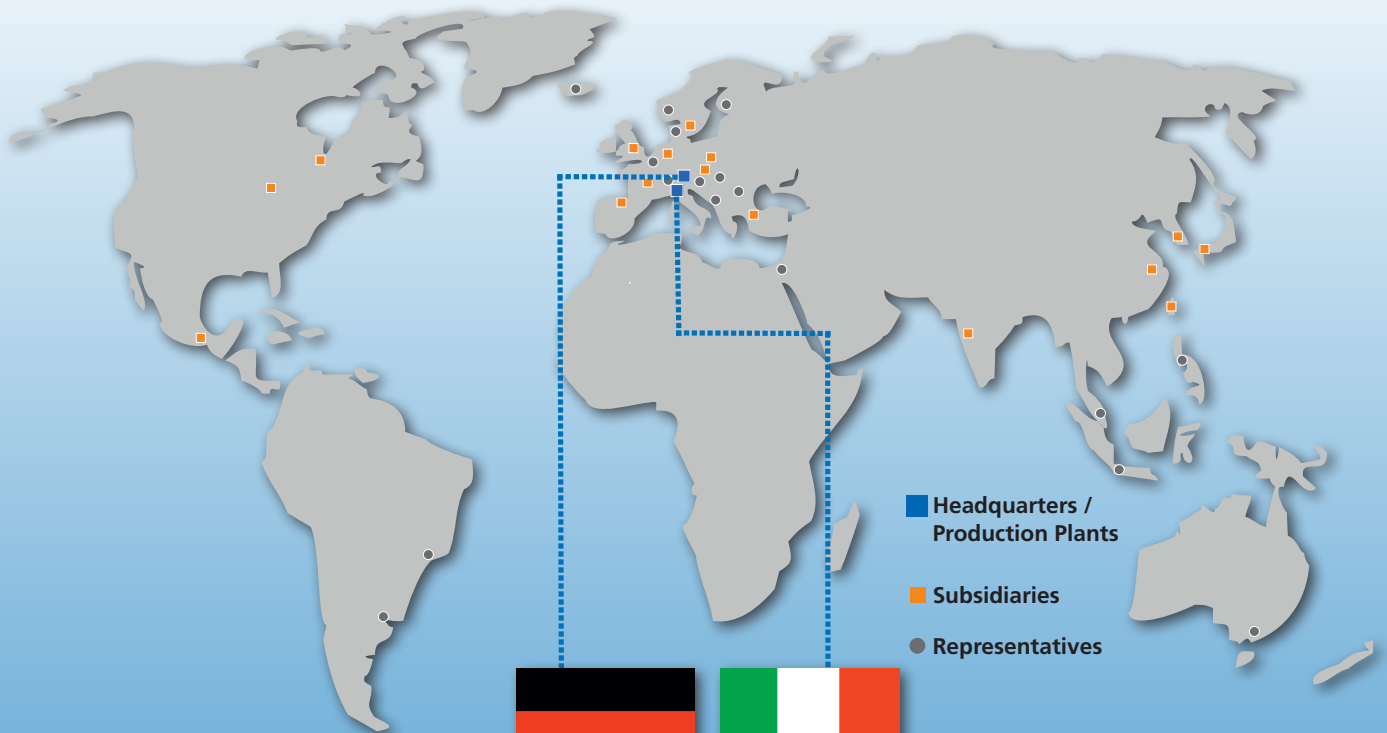




SMW-AUTOBLOK worldwide



SMW-AUTOBLOK manufacturing plant Meckenbeuren
Development | Manufacturing | Sales | Service | Support

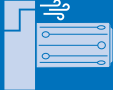
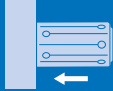
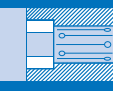


AUTOBLOK manufacturing plant Caprie-Torino



Visit our website: www.smw-autoblok.com

Expanding mandrels for every machine and every application

Expanding mandrel Features	EMX-P	EMX-F	EMX-FP	EMX-C	EMX-S
Automation with air sensing 	● ●	● ●	● ●	● ●	● ●
Pull-down (b. clamping bore and contact surface right-angled) 	● ●	○ ○	● ●	● ●	● ●
Clamping sleeves cold-vulcanised against penetration of chips 	● ●	● ●	● ●	○ ○	○ ○
Segment sleeves hot-vulcanised - 60 HRC 	○ ○	○ ○	○ ○	● ●	● ●
Expanding mandrel Suitability	EMX-P	EMX-F	EMX-FP	EMX-C	EMX-S
Suitable for high quantities 	● ○	● ○	● ○	● ●	● ●
Suitable for short clamping length 	○ ○	● ●	● ●	○ ○	● ○
Suitable for low lying clamping length 	● ●	○ ○	○ ○	● ●	○ ○

Unsuitable: ○ ○

Conditionally suitable: ● ○

Very well suitable: ● ●

Manual or power operated expanding mandrels / Adapter flanges



EMX-P

Expanding mandrels
Ø 14,7 - 130,7 mm

- Highest repeatability
- Size 1 - 11
- Large expansibility
- Preparation for air sensing
- Segment sleeves vulcanized (option)

Page

6



EMX-F/FP

Expanding mandrels
Ø 19,7 - 131,7 mm

- Highest repeatability
- Size 1 - 6
- Large expansibility
- Preparation for air sensing
- FP: with pull-down
- Segment sleeves vulcanized (option)

Page

10



EMX-C

Segment sleeve mandrels
Ø 25 - 121 mm

- Highest repeatability
- Size 1 - 5
- Large expansibility
- Preparation for air sensing
- Case hardened / wear resistant segment sleeves

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Adapter flanges EMX-P, EMX-F/FP, EMX-C

ISO-A
for expanding mandrels

- The expanding mandrels with cylindrical mounting
- Flanges for machine spindle
DIN 55026 / ISO-A 702/1

Page

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EMX-S

Segment sleeve mandrels
Ø 18 - 105 mm

- For turning, grinding and milling
- Size 1 - 5
- Case hardened / wear resistant segment sleeves
- Large expansibility
- Very rigid design

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Adapter flanges

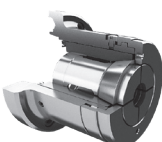
EMX-S

ISO-A
for expanding mandrels

- Expanding mandrels with cylindrical mounting
- Flanges for machine spindle
DIN 55026 / ISO-A 702/1

Page

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KSZ-MB

Collet chuck

- For bar machining
- Push actuation
- Collets for 40, 60 and 80

Page

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COMOT-DZ

Compact collet chuck

- Maximum tool accessibility thanks to compact external geometry
- Minimal clamping device weight for easy handling
- Long service life thanks to case-hardened components
- Wide range of standard collets
- Flexible use for raw and finished part diameters

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COMOT-AZ

Versatile collet chuck

- Highest manufacturing precision – for exact dimensional accuracy and consistent repeatability
- Sealed against the ingress of chips and cooling lubricant
- Wide range of standard collets available
- Use of high-precision collets

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COMOT-NZ

Position-neutral collet chuck

- Highest manufacturing precision – for exact dimensional accuracy and consistent repeatability
- Position-neutral clamping – for tension-free transfer between main and counter spindle
- Wide range of standard collets available
- Can be used with front/central stop or with through hole

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Connection

For COMOT-AZ, COMOT-NZ

- Adapter flanges
- Pull piece blank

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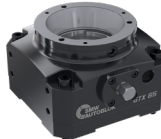
Adaptation

For COMOT-AZ, COMOT-NZ

- Adapter flanges
- Pull piece blank
- Extension sleeve mandrels EMX-F-CO
- Accuracy attachment PA COMOT
- Collet adapter for COMOT-AZ and COMOT-NZ

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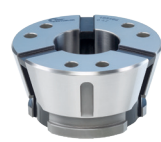
GTX

Stationary chuck

- Manually actuated
- For standard collets
- Highest repeatability
- Sensitive adjustment of the clamping force

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Collets + accessories

- Standard collets for COMOT collet chucks and GTX stationary clamping chucks
- Round, square, hexagonal
- Accessories

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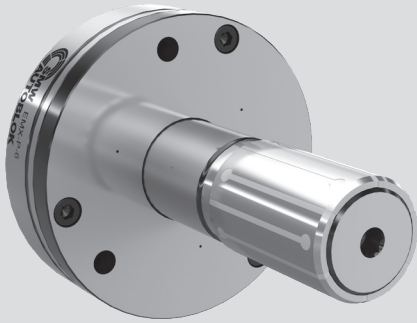
EMX-P

Expanding mandrel

Power / manually operated

Expanding mandrel Ø 14,7 - 130,7 mm

- Size 1 - 11
- Highest concentricity
- Air sensing



Application/customer benefits

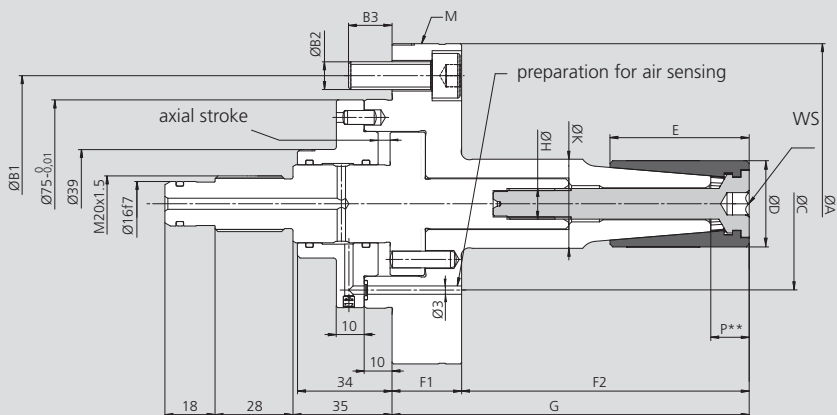
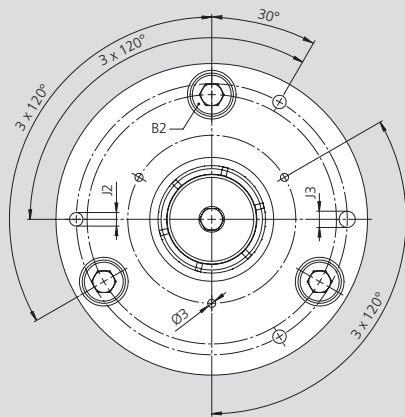
- For turning, milling, grinding and gear cutting operations
- High accuracy and torque transmission due to fixed arbor
- Axial pull down by axial movement of the clamping sleeve during actuation
- Quick set-up

Technical features

- Large expansibility (1 mm in diameter)
- Manual lubrication
- Flange mounting
- Very rigid design
- Vulcanized expanding sleeve for protection from the penetration of chips (option)
- Preparation for air sensing

Standard equipment

Basic mandrel with draw bolt for power operation
Mounting bolts



Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Type	EMX-P-1	EMX-P-2	EMX-P-3	EMX-P-4	EMX-P-5	EMX-P-6	EMX-P-7	EMX-P-8	EMX-P-9	EMX-P-10	EMX-P-11
Id. No. (Power operated)	9310000	9320000	9330000	9340000	9350000	9360000	9370000	9380000	9390000	9300000	9310010
Id. No. (Manually operated)	EMX-P-1-M	EMX-P-2-M	EMX-P-3-M	EMX-P-4-M	EMX-P-5-M	EMX-P-6-M	EMX-P-7-M	EMX-P-8-M	EMX-P-9-M	EMX-P-10-M	EMX-P-11-M
	9310000M	9320000M	9330000M	9340000M	9350000M	9360000M	9370000M	9380000M	9390000M	9300000M	9310010M
A	115	115	115	115	115	115	135	135	135	135	135
B1	92	92	92	92	92	92	112	112	112	112	112
B2	3 x M10	3 x M10	3 x M10	3 x M10	3 x M10	3 x M10	3 x M10	3 x M10	3 x M10	3 x M10	3 x M10
B3	15,6	15,6	15,6	15,6	15,6	15,6	15,6	15,6	15,6	15,6	15,6
C 3 x 120° Ø 3	62	62	62	62	62	62	62	76	85	98	110
D Clamping range	14,7 - 19,7	19,7 - 24,7	24,7 - 29,7	29,7 - 34,7	34,7 - 39,7	39,7 - 44,7	44,7 - 54,7	54,7 - 64,7	64,7 - 81,7	81,7 - 101,7	101,7 - 131,7
E	35	40	46	50	60	60	80	90	100	122	140
F1	25	25	25	25	25	25	25	25	25	25	25
F2	75	85	96	105	115	115	151	157	191	217	244
G	100	110	121	130	140	140	176	182	216	242	269
H	M6	M8	M10	M11x1,5	M12	M14	M14	M14	M14	M20	M20
J1	100	100	100	100	100	100	115	115	115	115	115
J2	3 x M6	3 x M6	3 x M6	3 x M6	3 x M6	3 x M6	3 x M8	3 x M8	3 x M8	3 x M8	3 x M8
J3 H7	6	6	6	6	6	6	8	8	8	8	8
K f8	22	27	29	32	35	38	42	50	60	73	86
M transport	-	-	-	-	-	-	-	-	3 x M8	3 x M8	3 x M8
P**	13	15	15	15,5	16	16,5	18,5	20,5	21	21,5	25,2
WS (hex)	WS4	WS4	WS6	WS8	WS8	WS8	WS8	WS10	WS10	WS12	WS12

Technical data

SMW-AUTOBLOK Type	EMX-P-1	EMX-P-2	EMX-P-3	EMX-P-4	EMX-P-5	EMX-P-6	EMX-P-7	EMX-P-8	EMX-P-9	EMX-P-10	EMX-P-11
Axial stroke	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Sleeve expansion Ø *	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Max. axial force in kN	7	7	12	12	15	20	20	20	25	25	30
Max. transmittable torque in Nm	20	28	60	70	100	150	170	210	320	400	570
Weight in kg	2,9	3,0	3,1	3,2	3,3	3,4	4,6	5,2	6,6	8,7	11,9
Rec. actuating cylinders	SIN-S 70	SIN-S 70	SIN-S 85	SIN-S 85	SIN-S 85	SIN-S 100	SIN-S 100	SIN-S 100	SIN-S 100	SIN-S 100	SIN-S 125

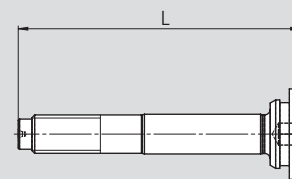
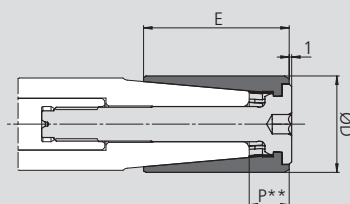
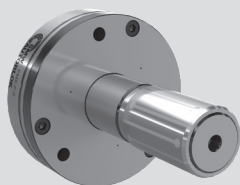
All measurements in unclamped position = Right end position. * From dimension of clamping sleeve. ** Clamping on area P only is not allowed.

Expanding mandrel Ø 14,7 - 130,7 mm

EMX-P

Expanding mandrel
Power / manually operated

■ Ordering review



Basic mandrel							Clamping sleeve* with actuating screw	Actuating screw	
Type	Id. No.	Clamping range	ØD	E	Expansibility	P**	Id. No.	Id. No.	L
EMX-P-1 / EMX-P-1-M	9310000	14,7 - 19,7	14,7	35	1	12,7	9310147	9310002000	75,5
			15,7	35	1	12,7	9310157		
			16,7	35	1	12,7	9310167		
			17,7	35	1	12,7	9310177		
			18,7	35	1	12,7	9310187		
EMX-P-2 / EMX-P-2-M	9320000	19,7 - 24,7	19,7	40	1	14,7	9320197	9320002000	80
			20,7	40	1	14,7	9320207		
			21,7	40	1	14,7	9320217		
			22,7	40	1	14,7	9320227		
			23,7	40	1	14,7	9320237		
EMX-P-3 / EMX-P-3-M	9330000	24,7 - 29,7	24,7	46	1	14,7	9330247	9330002000	86,5
			25,7	46	1	14,7	9330257		
			26,7	46	1	14,7	9330267		
			27,7	46	1	14,7	9330277		
			28,7	46	1	14,7	9330287		
EMX-P-4 / EMX-P-4-M	9340000	29,7 - 34,7	29,7	50	1	15,2	9340297	9340002000	92
			30,7	50	1	15,2	9340307		
			31,7	50	1	15,2	9340317		
			32,7	50	1	15,2	9340327		
			33,7	50	1	15,2	9340337		
EMX-P-5 / EMX-P-5-M	9350000	34,7 - 39,7	34,7	60	1	15,7	9350347	9350002000	102
			35,7	60	1	15,7	9350357		
			36,7	60	1	15,7	9350367		
			37,7	60	1	15,7	9350377		
			38,7	60	1	15,7	9350387		
EMX-P-6 / EMX-P-6-M	9360000	39,7 - 44,7	39,7	60	1	16,2	9360397	9360002000	102
			40,7	60	1	16,2	9360407		
			41,7	60	1	16,2	9360417		
			42,7	60	1	16,2	9360427		
			43,7	60	1	16,2	9360437		
EMX-P-7 / EMX-P-7-M	9370000	44,7 - 54,7	44,7	80	1	18,2	9370447	9370002000	116
			45,7	80	1	18,2	9370457		
			46,7	80	1	18,2	9370467		
			47,7	80	1	18,2	9370477		
			48,7	80	1	18,2	9370487		
			49,7	80	1	18,2	9370497		
			50,7	80	1	18,2	9370507		
			51,7	80	1	18,2	9370517		
			52,7	80	1	18,2	9370527		
			53,7	80	1	18,2	9370537		
EMX-P-8 / EMX-P-8-M	9380000	54,7 - 64,7	54,7	90	1	20,2	9380547	9380002000	126
			55,7	90	1	20,2	9380557		
			56,7	90	1	20,2	9380567		
			57,7	90	1	20,2	9380577		
			58,7	90	1	20,2	9380587		
			59,7	90	1	20,2	9380597		
			60,7	90	1	20,2	9380607		
			61,7	90	1	20,2	9380617		
			62,7	90	1	20,2	9380627		
			63,7	90	1	20,2	9380637		

* Id. No. XXXXXX-V = Clamping sleeve vulcanized.

** Clamping on area P only is not allowed.

EMX-P

Expanding mandrel
Power / manually operated

Expanding mandrel Ø 14,7 - 130,7 mm

■ Ordering review

Basic mandrel							Clamping sleeve* with actuating screw		Actuation screw		
Type	Id. No.	Clamping range	ØD	E	Expansibility	P**	Id. No. power-op.	Id. No. manually	Id. No. power-op.	Id. No. manually	L
EMX-P-9 / EMX-P-9-M	9390000	64,7 - 81,7	64,7	100	1	20,7	9390647	9390647M	9390002000	9390002100	136
			65,7	100	1	20,7	9390657	9390657M			
			66,7	100	1	20,7	9390667	9390667M			
			67,7	100	1	20,7	9390677	9390677M			
			68,7	100	1	20,7	9390687	9390687M			
			69,7	100	1	20,7	9390697	9390697M			
			70,7	100	1	20,7	9390707	9390707M			
			71,7	100	1	20,7	9390717	9390717M			
			72,7	100	1	20,7	9390727	9390727M			
			73,7	100	1	20,7	9390737	9390737M			
			74,7	100	1	20,7	9390747	9390747M			
			75,7	100	1	20,7	9390757	9390757M			
			76,7	100	1	20,7	9390767	9390767M			
			77,7	100	1	20,7	9390777	9390777M			
			78,7	100	1	20,7	9390787	9390787M			
			79,7	100	1	20,7	9390797	9390797M			
			80,7	100	1	20,7	9390807	9390807M			
EMX-P-10 / EMX-P-10-M	9300000	81,7 - 101,7	81,7	122	1	21,7	9300817	9300817M	9300002000	9300002100	164
			82,7	122	1	21,7	9300827	9300827M			
			83,7	122	1	21,7	9300837	9300837M			
			84,7	122	1	21,7	9300847	9300847M			
			85,7	122	1	21,7	9300857	9300857M			
			86,7	122	1	21,7	9300867	9300867M			
			87,7	122	1	21,7	9300877	9300877M			
			88,7	122	1	21,7	9300887	9300887M			
			89,7	122	1	21,7	9300897	9300897M			
			90,7	122	1	21,7	9300907	9300907M			
			91,7	122	1	21,7	9300917	9300917M			
			92,7	122	1	21,7	9300927	9300927M			
			93,7	122	1	21,7	9300937	9300937M			
			94,7	122	1	21,7	9300947	9300947M			
			95,7	122	1	21,7	9300957	9300957M			
			96,7	122	1	21,7	9300967	9300967M			
			97,7	122	1	21,7	9300977	9300977M			
			98,7	122	1	21,7	9300987	9300987M			
			99,7	122	1	21,7	9300997	9300997M			
			100,7	122	1	21,7	9301007	9301007M			
EMX-P-11 / EMX-P-11-M	9310010	101,7 - 131,7	101,7	140	1	26,2	9311017	9311017M	9310002010	9310002110	182
			102,7	140	1	26,2	9311027	9311027M			
			103,7	140	1	26,2	9311037	9311037M			
			104,7	140	1	26,2	9311047	9311047M			
			105,7	140	1	26,2	9311057	9311057M			
			106,7	140	1	26,2	9311067	9311067M			
			107,7	140	1	26,2	9311077	9311077M			
			108,7	140	1	26,2	9311087	9311087M			
			109,7	140	1	26,2	9311097	9311097M			
			110,7	140	1	26,2	9311107	9311107M			
			111,7	140	1	26,2	9311117	9311117M			
			112,7	140	1	26,2	9311127	9311127M			
			113,7	140	1	26,2	9311137	9311137M			
			114,7	140	1	26,2	9311147	9311147M			
			115,7	140	1	26,2	9311157	9311157M			
			116,7	140	1	26,2	9311167	9311167M			
			117,7	140	1	26,2	9311177	9311177M			
			118,7	140	1	26,2	9311187	9311187M			
			119,7	140	1	26,2	9311197	9311197M			
			120,7	140	1	26,2	9311207	9311207M			
			121,7	140	1	26,2	9311217	9311217M			
			122,7	140	1	26,2	9311227	9311227M			
			123,7	140	1	26,2	9311237	9311237M			
			124,7	140	1	26,2	9311247	9311247M			
			125,7	140	1	26,2	9311257	9311257M			
			126,7	140	1	26,2	9311267	9311267M			
			127,7	140	1	26,2	9311277	9311277M			
			128,7	140	1	26,2	9311287	9311287M			
			129,7	140	1	26,2	9311297	9311297M			
			130,7	140	1	26,2	9311307	9311307M			

* Id. No. XXXXX-Y = Clamping sleeve vulcanized.

** Clamping on area P only is not allowed.

Notes

EMX-F/FP

Expanding mandrel
Power / manually operated

Expanding mandrel Ø 13,8 - 131,7 mm

- Size 0 - 6
- Highest concentricity
- Air sensing



Application/customer benefits

- For turning, milling, grinding and gear cutting operations
- High accuracy and torque transmission
- Clamping of very short workpieces on the front section of the sleeve possible
- FP: With axial pull down for best face run out

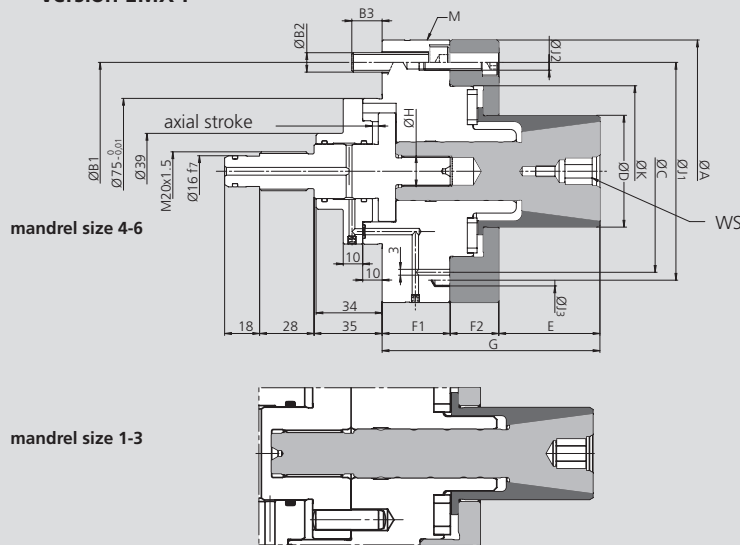
Technical features

- Large expansibility 0,5 - 1,2 mm depending on size
- Manual lubrication
- Flange mounting
- Very rigid design
- Vulcanized expanding sleeve for protection from the penetration of chips (option)
- Preparation for air sensing

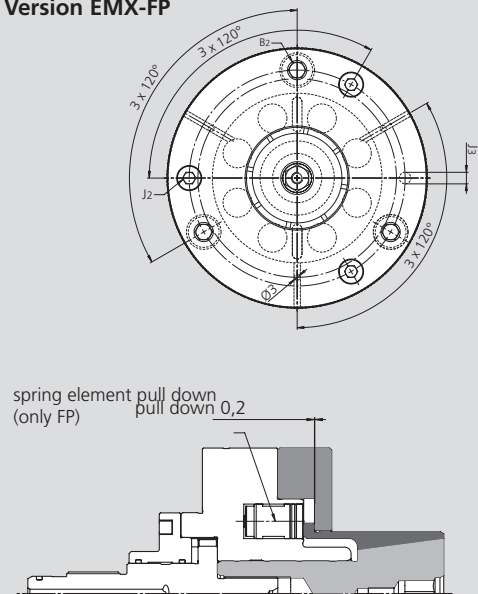
Standard equipment

Basic mandrel with draw bolt for power operation
Mounting bolts

Version EMX-F



Version EMX-FP



Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Type		EMX-F/FP-0	EMX-F/FP-1	EMX-F/FP-2	EMX-F/FP-3	EMX-F/FP-4	EMX-F/FP-5	EMX-F/FP-6
Id. No.	EMX-F	9100000000	9110000	9120000	9130000	9140000	9150000	9160000
	EMX-F-M	9100000000M	9110000M	9120000M	9130000M	9140000M	9150000M	9160000M
	EMX-FP	9200000000	9210000	9220000	9230000	9240000	9250000	9260000
	EMX-FP-M	9200000000M	9210000M	9220000M	9230000M	9240000M	9250000M	9260000M
A		115	115	115	115	135	165	210
B1		92	92	92	92	112	140	182
B2		3 x M10	3 x M10	3 x M10	3 x M10	3 x M10	3 x M12	3 x M12
B3		14,6	15,6	15,6	15,6	15,6	17,9	17,9
C	3 x 120° Ø 3	62	62	62	86	112	140	182
D	Clamping range	13,8 - 15,8 16,3 - 21,3	19,7 - 30,3	27,7 - 40,3	34,7 - 55,5	49,7 - 75,5	69,7 - 95,9	89,7 - 132,9
E		15 24	27	34	38	52	69	81
F1		26	30	30	30	35	40	40
F2		24 15	18	18	22	25	30	33
G		65	75	82	90	112	139	154
H		M8 x 1	M10 x 1	M14 x 1,5	M16 x 1,5	M16 x 1,5	M20 x 1,5	M20 x 1,5
J1		55 / 92	100	100	100	112	140	182
J2	3 x 120°	M6	M6	M6	M6	M8	M8	M8
J3	H7	6	6	6	6	8	8	8
K	g6	38	42	52	65	88	112	155
M transport	3 x 120°	-	-	-	-	M8	M10	M10
WS (hex)		WS4	WS6	WS8	WS10	WS12	WS14	WS14

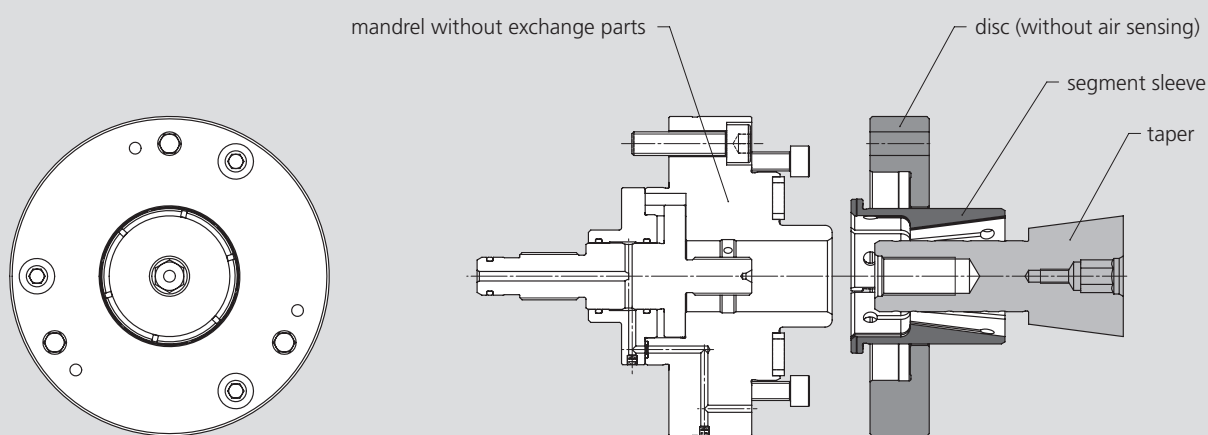
Technical data

SMW-AUTOBLOK Type		EMX-F/FP-0				EMX-F/FP-1				EMX-F/FP-2				EMX-F/FP-3				EMX-F/FP-4				EMX-F/FP-5				EMX-F/FP-5			
Axial stroke		3,0				3,0				2,4				3,0				3,0				5,0				5,0			
Expansibility in dia.		0,5				0,6				0,6				0,8				0,8				1,2				1,2			
Max. axial force in kN		8				12				20				25				25				30				30			
Max. transmittable torque in Nm*		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	4			
		18	21	25	35	50	55	80	100	110	100	115	160	150	180	220	225	225	290	445	500	570	630						
Weight in kg		3,0				3,3				3,4				3,5				5,3				8,5				14,2			
Actuating cylinders		CSN		150				200				200				250				250				250					
		SIN-S		70				70				85				100				100				125				125	

* Depending on taper size (1 / 2 / 3)

All measurements in unclamped position = Right end position.

■ Ordering review



Subject to technical changes.
For more detailed information please ask our customer service.

Mandrel without exchange parts						Taper	Segment sleeve*		Disc	
without pull-down		with pull-down							Id. No.	
Type	Id. No.	Type	Id. No.	Clamping range	Sleeve expansion Ø	Id. No.	ØD	Id. No.	F	FP
EMX-F-0	9100000000	EMX-FP-0	9200000000	13,8 - 21,3	0,5	9102011000	13,8	9100000138	9103016000	9203016000
							14,3	9100000143		
							14,8	9100000148		
						9102013000	15,3	9100000153	9103017000	9203017000
							15,8	9100000158		
							16,3	9100000163		
							16,8	9100000168		
							17,3	9100000173		
						9102015000	17,8	9100000178	9103018000	9203018000
							18,3	9100000183		
							18,8	9100000188		
							19,3	9100000193		
							19,8	9100000198		
							20,3	9100000203		
							20,8	9100000208		
EMX-F-1	9110000	EMX-FP-1	9210000	19,7 - 30,3	0,6	9112016	19,7	9110197	9113021	9213021
							20,2	9110202		
							20,7	9110207		
							21,2	9110212		
							21,7	9110217		
							22,2	9110222		
						9112020	22,2	9110222	9113023	9213023
							22,7	9110227		
							23,2	9110232		
							23,7	9110237		
							24,2	9110242		
							24,7	9110247		
						9112023	25,2	9110252	9113024	9213024
							25,7	9110257		
							26,2	9110262		
							26,7	9110267		
							27,2	9110272		
						9112024	27,7	9110277	9113025	9213025
							28,2	9110282		
							28,7	9110287		
							29,2	9110292		
							29,7	9110297		
							29,7	9110297		
							29,7	9110297		
							29,7	9110297		
							29,7	9110297		
							29,7	9110297		
29,7	9110297									
EMX-F-2	9120000	EMX-FP-2	9220000	27,7 - 40,3	0,6	9112028	27,7	9120277	9123029	9223029
							28,2	9120282		
							28,7	9120287		
							29,2	9120292		
							29,7	9120297		
						9112032	30,2	9120302	9123030	9223030
							30,7	9120307		
							31,2	9120312		
							31,7	9120317		
							32,2	9120322		
							32,7	9120327		
							33,2	9120332		
							33,7	9120337		
							34,2	9120342		
							34,7	9120347		
9112032	35,2	9120352	9123031	9223031						
	35,7	9120357								
	36,2	9120362								
	36,7	9120367								
	37,2	9120372								
	37,7	9120377								
	38,2	9120382								
	38,7	9120387								
	39,2	9120392								
	39,7	9120397								

* Id. No. XXXXXX-u = Clamping sleeve vulcanized.

Mandrel without exchange parts						Taper	Segment sleeve*		Disc		
without pull-down		with pull-down							Id. No.		
Type	Id. No.	Type	Id. No.	Clamping range	Sleeve expansion Ø		Id. No.	ØD	Id. No.	F	FP
EMX-F-3	9130000	EMX-FP-3	9230000	34,7 - 55,5	0,8	9132030	34,7	9130347	9133037	9233037	
							35,2	9130352			
							35,7	9130357	9133038	9233038	
							36,2	9130362			
							36,7	9130367	9133039	9233039	
							37,2	9130372			
							37,7	9130377	9133040	9233040	
							38,2	9130382			
							38,7	9130387	9133041	9233041	
							39,2	9130392			
						39,7	9130397	9133042	9233042		
						40,2	9130402				
						40,7	9130407	9133043	9233043		
						41,2	9130412				
						41,7	9130417	9133044	9233044		
						42,2	9130422				
						9132037	42,7	9130427	9133045	9233045	
							43,2	9130432			
							43,7	9130437	9133046	9233046	
							44,2	9130442			
							44,7	9130447	9133047	9233047	
							45,2	9130452			
							45,7	9130457	9133048	9233048	
							46,2	9130462			
							46,7	9130467	9133049	9233049	
							47,2	9130472			
							47,7	9130477	9133050	9233050	
							48,2	9130482			
							48,7	9130487	9133051	9233051	
							49,2	9130492			
							9132044	49,7	9130497	9133052	9233052
								50,2	9130502		
								50,7	9130507	9133053	9233053
						51,2		9130512			
						51,7		9130517	9133054	9233054	
						52,2		9130522			
						52,7		9130527	9133055	9233055	
						53,2		9130532			
						53,7		9130537	9133056	9233056	
						54,2		9130542			
						54,7		9130547	9133057	9233057	
						9142044		49,7			9140497
								50,2	9140502		
								50,7	9140507	9143053	9243053
							51,2	9140512			
							51,7	9140517	9143054	9243054	
							52,2	9140522			
							52,7	9140527	9143055	9243055	
53,2	9140532										
53,7	9140537	9143056	9243056								
54,2	9140542										
54,7	9140547	9143057	9243057								
55,2	9140552										
55,7	9140557	9143058	9243058								
56,2	9140562										
56,7	9140567	9143059	9243059								
57,2	9140572										
9142051	57,7	9140577	9143060	9243060							
	58,2	9140582									
	58,7	9140587	9143061	9243061							
	59,2	9140592									
	59,7	9140597	9143062	9243062							
	60,2	9140602									
	60,7	9140607	9143063	9243063							
	61,2	9140612									
	61,7	9140617	9143064	9243064							
	62,2	9140622									
	62,7	9140627	9143065	9243065							
	63,2	9140632									
	63,7	9140637	9143066	9243066							
	64,2	9140642									
64,7	9140647	9143067	9243067								
65,2	9140652										
9142060	65,7	9140657	9143068	9243068							
	66,2	9140662									
	66,7	9140667	9143069	9243069							
	67,2	9140672									
	67,7	9140677	9143070	9243070							
	68,2	9140682									
	68,7	9140687	9143071	9243071							
	69,2	9140692									
	69,7	9140697	9143072	9243072							
	70,2	9140702									
	70,7	9140707	9143073	9243073							
	71,2	9140712									
	71,7	9140717	9143074	9243074							
	72,2	9140722									
72,7	9140727	9143075	9243075								
73,2	9140732										
73,7	9140737	9143076	9243076								
74,2	9140742										
74,7	9140747	9143077	9243077								

* Id. No. XXXXXX-Y = Clamping sleeve vulcanized.

Expanding mandrel Ø 13,8 - 131,7 mm

EMX-F/FP

Expanding mandrel
Power / manually operated

■ Ordering review

Mandrel without exchange parts						Taper		Segment sleeve*		Disc	
without pull-down		with pull-down				Id. No.				Id. No.	
Type	Id. No.	Type	Id. No.	Clamping range	Sleeve expansion Ø	power operated	manually operated	ØD	Id. No.	F	FP
EMX-F-5	9150000	EMX-FP-5	9250000	69,7 - 95,9	1,2	9152063	9152063M	69,7	9150697	9153072	9253072
								70,7	9150707	9153073	9253073
								71,7	9150717	9153074	9253074
								72,7	9150727	9153075	9253075
								73,7	9150737	9153076	9253076
								74,7	9150747	9153077	9253077
								75,7	9150757	9153078	9253078
								76,7	9150767	9153079	9253079
								77,7	9150777	9153080	9253080
								78,7	9150787	9153081	9253081
								79,7	9150797	9153082	9253082
								80,7	9150807	9153083	9253083
						9152071	9152071M	81,7	9150817	9153084	9253084
								82,7	9150827	9153085	9253085
								83,7	9150837	9153086	9253086
								84,7	9150847	9153087	9253087
								85,7	9150857	9153088	9253088
								86,7	9150867	9153089	9253089
								87,7	9150877	9153090	9253090
								88,7	9150887	9153091	9253091
								89,7	9150897	9153092	9253092
								90,7	9150907	9153093	9253093
								91,7	9150917	9153094	9253094
								92,7	9150927	9153095	9253095
						9152080	9152080M	93,7	9150937	9153096	9253096
								94,7	9150947	9153097	9253097
								89,7	9160897	9163092	9263092
								90,7	9160907	9163093	9263093
								91,7	9160917	9163094	9263094
								92,7	9160927	9163095	9263095
								93,7	9160937	9163096	9263096
								94,7	9160947	9163097	9263097
								95,7	9160957	9163098	9263098
								96,7	9160967	9163099	9263099
								97,7	9160977	9163100	9263100
								98,7	9160987	9163101	9263101
								99,7	9160997	9163102	9263102
								100,7	9161007	9163103	9263103
						9162092	9162092M	101,7	9161017	9163104	9263104
								102,7	9161027	9163105	9263105
								103,7	9161037	9163106	9263106
								104,7	9161047	9163107	9263107
								105,7	9161057	9163108	9263108
								106,7	9161067	9163109	9263109
								107,7	9161077	9163110	9263110
								108,7	9161087	9163111	9263111
								109,7	9161097	9163112	9263112
								110,7	9161107	9163113	9263113
111,7	9161117	9163114	9263114								
112,7	9161127	9163115	9263115								
113,7	9161137	9163116	9263116								
114,7	9161147	9163117	9263117								
115,7	9161157	9163118	9263118								
116,7	9161167	9163119	9263119								
117,7	9161177	9163120	9263120								
118,7	9161187	9163121	9263121								
9162103	9162103M	119,7	9161197	9163122	9263122						
		120,7	9161207	9163123	9263123						
		121,7	9161217	9163124	9263124						
		122,7	9161227	9163125	9263125						
		123,7	9161237	9163126	9263126						
		124,7	9161247	9163127	9263127						
		125,7	9161257	9163128	9263128						
		126,7	9161267	9163129	9263129						
		127,7	9161277	9163130	9263130						
		128,7	9161287	9163131	9263131						
		129,7	9161297	9163132	9263132						
		130,7	9161307	9163133	9263133						
		9162114	9162114M	131,7	9161317	9163134	9263134				

EMX-C / CC

Segment sleeve mandrel
Power operated

Segment sleeve mandrel Ø 25 - 121 mm

- Size 1 - 5
- Large expansibility

Application/customer benefits

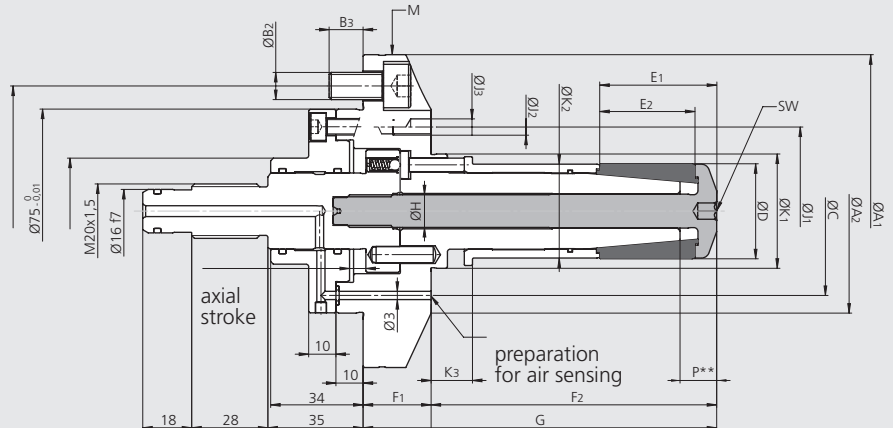
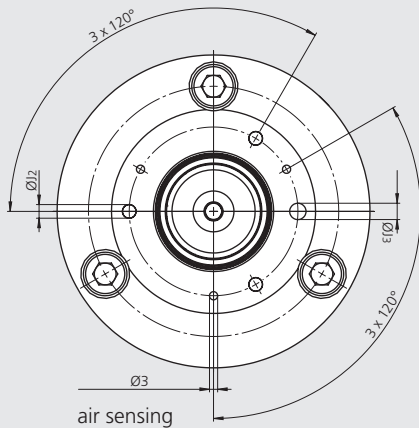
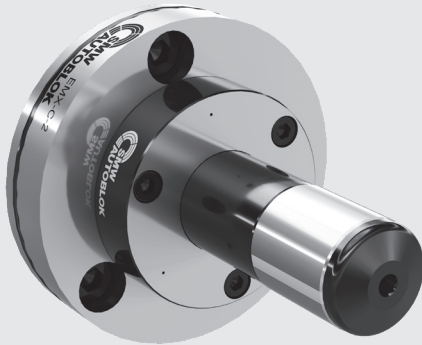
- Ideal for volume production and hard turning / grinding with wear resistant, case hardened and vulcanised clamping sleeves
- Highest accuracy and high torque transmission by means of fixed mandrel body
- Axial pull down by the axial clamping movement of the clamping sleeve = best face run out
- Clamping sleeve quick change for short setup times
- Preparation for air sensing

Technical details

- Large expansibility 1 - 1,2 mm depending on the size
- Case hardened and vulcanized segment sleeves
- Power operated / manual lubrication
- Rigid design with flange mounting

Standard equipment

Basic mandrel with draw bolt for power operation + actuating screw,
Mounting bolts



Subject to technical changes. For more detailed information please ask our customer service.

SMW-AUTOBLOK Type		EMX-C-1 / CC-1		EMX-C-2 / -CC-2		EMX-C-3/ -CC-3		EMX-C-4/ -CC-4		EMX-C-5/ -CC-5	
Id. No.	EMX-C	9410000		9420000		9430000		9440000		9450000	
	EMX-CC	9641100000		9642100000		9643100000		9643100000		9645100000	
A1		115		115		115		135		165	
A2		75		75		115		135		165	
B1		92		92		92		112		140	
B2		3 x M10		3 x M10		3 x M10		3 x M10		3 x M12	
B3		12,5		12,5		15,6		15,6		16	
C	3 x 120° Ø 3	62		62		75		95		120	
D	Clamping range	25 - 37		35 - 53		49 - 70		66 - 95		90-120	
E1		37		43		55		64		86	
E2	Clamping length	30		35		45		50		70	
F1		25		25		25		25		32	
F2	EMX-C / -CC	94	65,5	105	65,5	131,5	87,5	150,7	97,5	185,5	127
G	EMX-C / -CC	119	90,5	130	90,5	156,5	112,5	175,7	122,5	217,5	159
H		M8 x 1		M12 x 1,5		M14 x 1,5		M16 x 1,5		M20 x 1,5	
J1		62		62		100		115		140	
J2	3 x 120°	M6		M6		M6		M8		M8	
J3	H7	6		6		6		8		8	
K1	f8	35		42		54		73		96	
K2	f8	24,5		34,5		48,5		64,5		89,5	
K3 transport		16,2		15,2		16,5		17		22	
M	3 x 120°	-		-		-		M8		M8	
P**		12,5		13,5		15,5		19,5		21,5	
WS (hex)		WS5		WS6		WS10		WS12		WS14	

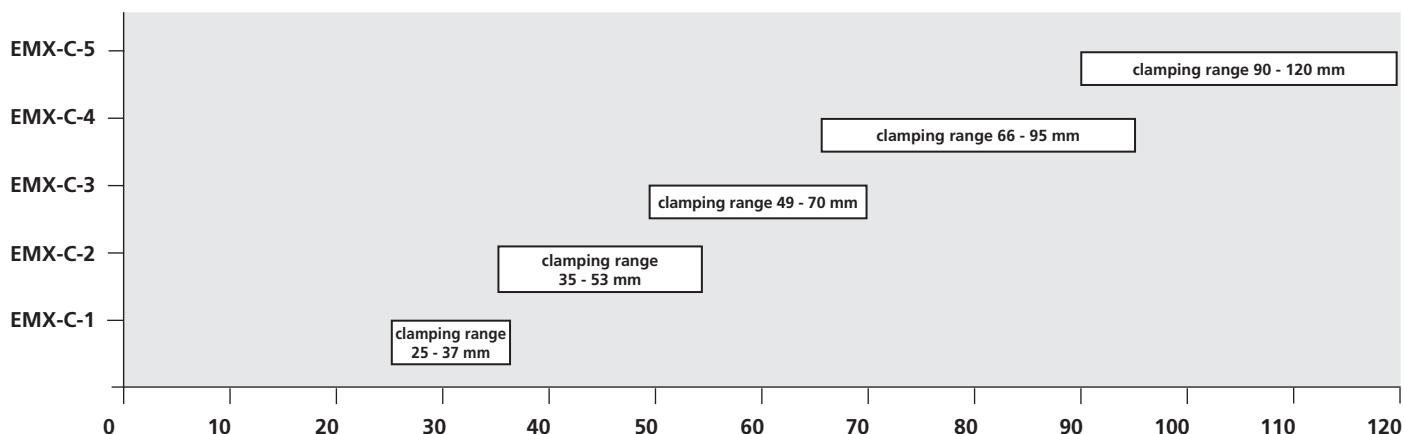
Technical data

SMW-AUTOBLOK Type	EMX-C-1 / -CC-1	EMX-C-2/ -CC-2	EMX-C-3/ -CC-3	EMX-C-4/ -CC-4	EMX-C-5/ -CC-5
Axial stroke	6,0	6,0	6,0	6,0	6,0
Expansibility (dia.)	1,0	1,0	1,2	1,2	1,2
Max. actuating force (kN)	8	12	15	25	30
Max. transmittable torque (Nm)	36	74	120	281	467
Weight (kg)	2,9	3,2	4,3	6,6	13,3
Rec. clamping cylinders	SIN-S 70	SIN-S 85	SIN-S 85	SIN-S 100	SIN-S 125

All measurements in unclamped position = Right end position.

** Clamping on area P only is not allowed.

Overview clamping ranges



Clamping sleeves

EMX-C-1*

Ø	25	26	27	28	29	30	31	32	33	34	35	36	37
Id. No.	9410250	9410260	9410270	9410280	9410290	9410300	9410310	9410320	9410330	9410340	9410350	9410360	9410370

EMX-C-2*

Ø	35	36	37	38	39	40	41	42	43	44	45	46	47
Id. No.	9420350	9420360	9420370	9420380	9420390	9420400	9420410	9420420	9420430	9420440	9420450	9420460	9420470
Ø	48	49	50	51	52	53							
Id. No.	9420480	9420490	9420500	9420510	9420520	9420530							

EMX-C-3*

Ø	49	50	51	52	53	54	55	56	57	58	59	60	61
Id. No.	9430490	9430500	9430510	9430520	9430530	9430540	9430550	9430560	9430570	9430580	9430590	9430600	9430610
Ø	62	63	64	65	66	67	68	69	70				
Id. No.	9430620	9430630	9430640	9430650	9430660	9430670	9430680	9430690	9430700				

EMX-C-4*

Ø	66	67	68	69	70	71	72	73	74	75	76	77	78
Id. No.	9440660	9440670	9440680	9440690	9440700	9440710	9440720	9440730	9440740	9440750	9440760	9440770	9440780
Ø	79	80	81	82	83	84	85	86	87	88	89	90	91
Id. No.	9440790	9440800	9440810	9440820	9440830	9440840	9440850	9440860	9440870	9440880	9440890	9440900	9440910
Ø	92	93	94	95									
Id. No.	9440920	9440930	9440940	9440950									

EMX-C-5*

Ø	90	91	92	93	94	95	96	97	98	99	100	101	102
Id. No.	9450900	9450910	9450920	9450930	9450940	9450950	9450960	9450970	9450980	9450990	9451000	9451010	9451020
Ø	103	104	105	106	107	108	109	110	111	112	113	114	115
Id. No.	9451030	9451040	9451050	9451060	9451070	9451080	9451090	9451100	9451110	9451120	9451130	9451140	9451150
Ø	116	117	118	119	120								
Id. No.	9451160	9451170	9451180	9451190	9451200								

* The expanding sleeves have a loading clearance of 0,3 mm in dia.

Clamping screws

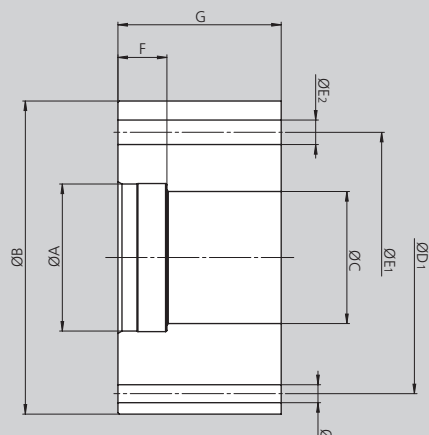
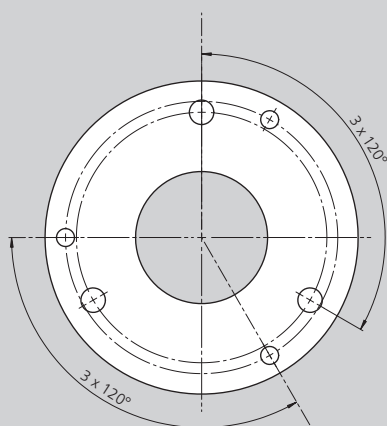
Type	Id. No.
EMX-C-1	9412000
EMX-C-2	9422000
EMX-C-3	9432000
EMX-C-4	9442000
EMX-C-5	9452000
EMX-CC-1	9641102000
EMX-CC-2	9642102000
EMX-CC-3	9643102000
EMX-CC-4	9644102000
EMX-CC-5	9645102000

Workshop blanks

For EMX-C segment sleeve mandrel

■ Ordering review

Workstop blanks soft for EMX-C

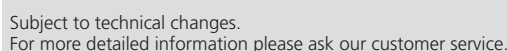


Subject to technical changes.
For more detailed information please ask our customer service.

Mandrel size	EMX-C-1		EMX-C-2		EMX-C-3		EMX-C-4		EMX-C-5	
	short	long	short	long	short	long	short	long	short	long
Id. No.	9413000	9413001	9423000	9423001	9433000	9433001	9443000	9443001	9453000	9453001
ØA	35	35	42	42	54	54	73	73	96	96
ØB	75	75	75	75	115	115	135	135	165	165
ØC	24,5	24,5	34,5	34,5	48,5	48,5	64,5	64,5	89,5	89,5
ØD1	62	62	62	62	100	100	115	115	140	140
ØD2	6,6	6,6	6,6	6,6	6,6	6,6	9	9	9	9
ØE1	-	-	-	-	92	92	112	112	140	140
ØE2	-	-	-	-	9	9	9	9	12	12
F	17,2	17,2	16,2	16,2	17,5	17,5	18	18	23	23
G	40	75	45	85	60	110	70	125	85	160

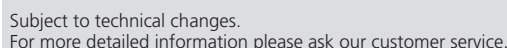
ISO 702-1 / 702-4 for sleeve expanding mandrels

- ## ISO 702-1 / 702-4 for sleeve expanding mandrels



Adapter flange Id. No.		Spindle nose ISO	D1	D2	D3	D4	L1	LK1	G1	LK2	G2	LK3	G3	LK4	G4
9000051	mm	A5	82,563	104,8	3 x M10	135	35	92	3 x M10	112	3 x M10	-	-	-	-
9000052	mm	A5	82,563	104,8	3 x M10	165	35	92	3 x M10	112	3 x M10	140	3 x M12	-	-
9000053	mm	A5	82,563	104,8	3 x M10	210	35	92	3 x M10	112	3 x M10	140	3 x M12	182	3 x M12
9000061	mm	A6	106,375	133,4	3 x M12	165	36	92	3 x M10	112	3 x M10	140	3 x M12	-	-
9000062	mm	A6	106,375	133,4	3 x M12	210	36	92	3 x M10	112	3 x M10	140	3 x M12	182	3 x M12
9000081	mm	A8	139,719	171,4	3 x M16	210	45	92	3 x M10	112	3 x M10	140	3 x M12	182	3 x M12

Appropriate adapter flanges	Spindle nose ISO	EMX-P	EMX-F/FP	EMX-C	Type
9000051	A5	0-1-2-3-4-5-6-7-8-9-10-11	1-2-3-4	1-2-3-4	A
9000052	A5	0-1-2-3-4-5-6-7-8-9-10-11	1-2-3-4-5	1-2-3-4-5	B
9000053	A5	0-1-2-3-4-5-6-7-8-9-10-11	1-2-3-4-5-6	1-2-3-4-5	C
9000061	A6	0-1-2-3-4-5-6-7-8-9-10-11	1-2-3-4-5	1-2-3-4-5	B
9000062	A6	0-1-2-3-4-5-6-7-8-9-10-11	1-2-3-4-5-6	1-2-3-4-5	C
9000081	A8	0-1-2-3-4-5-6-7-8-9-10-11	1-2-3-4-5-6	1-2-3-4-5	C



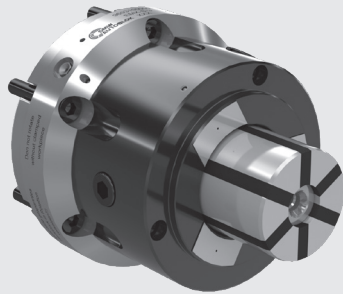
Adapter flange Id. No.		Spindle nose ISO	D1	D2	D3	D4	L1	LK1	G1	LK2	G2	LK3	G3	LK4	G4
9000000141	mm	Z140	140	104,8	3 x M10	150	21,5	92	3 x M10	112	3 x M10	-	-	-	-
9000000171	mm	Z170	170	133,4	3 x M12	180	24	92	3 x M10	112	3 x M10	140	3 x M12	-	-
9000000221	mm	Z220	220	171,4	3 x M16	230	30	92	3 x M10	112	3 x M10	140	3 x M12	182	3 x M12
Appropriate adapter flanges		Spindle nose ISO	EMX-P			EMX-F/FP				EMX-C				Type	
9000000141		Z140	0-1-2-3-4-5-6-7-8-9-10-11			1-2-3-4				1-2-3-4				D	
9000000171		Z170	0-1-2-3-4-5-6-7-8-9-10-11			1-2-3-4-5				1-2-3-4-5				E	
9000000221		Z220	0-1-2-3-4-5-6-7-8-9-10-11			1-2-3-4-5-6				1-2-3-4-5				F	

EMX-S

Segment sleeve mandrel
Power operated

Segment sleeve mandrel Ø 18 - 105 mm

- Size 1 - 4
- Large expansibility



Application/customer benefits

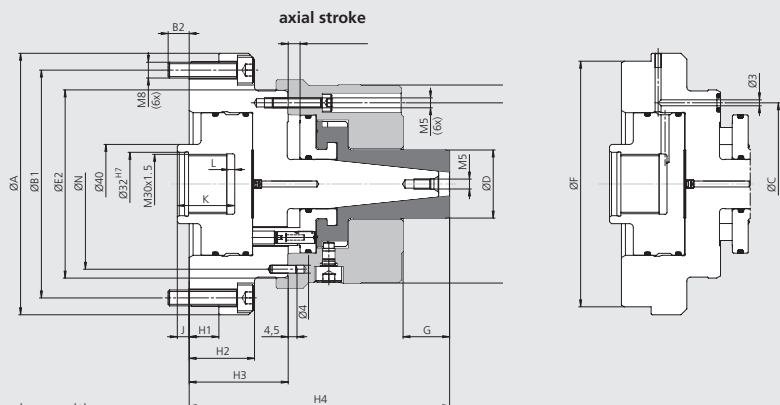
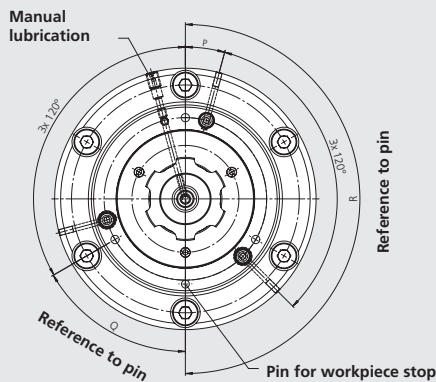
- Ideal for volume production and hard turning / grinding with wear resistant, case hardened and vulcanised clamping sleeves
- Highest accuracy and high torque transmission by means of fixed mandrel body
- Axial pull down by the axial clamping movement of the clamping sleeve = best face run out
- Clamping sleeve quick change for short setup times
- Preparation for air sensing
- With integrated manual lubrication for consistent high clamping forces and low wear

Technical details

- Large expansibility 0,8 - 1,2 mm depending on the size
(The clamping sleeves have a max. radial expansibility in diameter of $\pm 0,4$ mm or $\pm 0,6$ mm from the nominal diameter.)
- Power operated
- Rigid design with flange mounting
- Tapped holes in the face for axial stops

Standard equipment

Base mandrel with mounting bolts



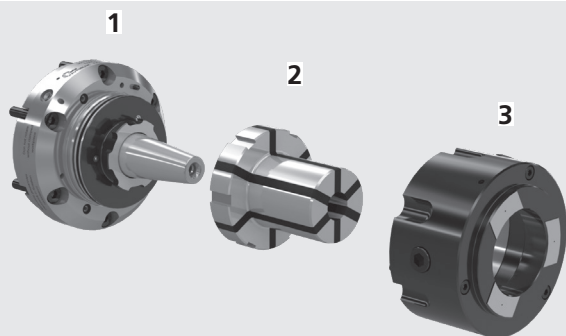
Illustrations show mandrel variant with 1-circuit air sensing in open clamping position.
Information on the variant with 2-circuit air sensing on request.

SMW-Autoblok Type			EMX-S-1			EMX-S-2			EMX-S-3			EMX-S-4		
Id. No.	EMX-S (1-circuit-AS)		9601100000			9602100000			9603100000			9604100000		
	EMX-S (2-circuit-AS)		9621100000			9622100000			9623100000			9624100000		
3x120° Ø3,0	A	mm	132			132			132			157		
	B1	mm	115			115			115			137		
	B2	mm	13,6			10,6			12,5			12,5		
	C	mm	66			82			100			128		
	E1	mm	82			100			114			143		
f8	E2	mm	80			95			88			115		
	F	mm	124 - 0,01			124 - 0,01			124 - 0,01			147 - 0,01		
Clamping range	D	mm	18	>18 - 23	>23 - 35	30 - 55			48 - 80			70 - 105		
Clamping length max.	G _{max}	mm	10,5	17,5	23	41			51			57		
Clamping length min.	G _{min}	mm	7			8			8			8		
Ring gap	H1	mm	15			15			15			14,3		
	H2	mm	30			33			44			49		
	H3	mm	48			50			44			49		
	H4	mm	107,5			131,5			146,5			162		
	J	mm	8			6			6			6		
	K	mm	30			29			25			29		
	L	mm	4			4			4			5		
	M	mm	66			82			100			128		
Ring gap	N	mm	70			86			104			128		
	P	deg.	15			15			90			15		
	Q	deg.	30			30			15			60		
	R	deg.	180			180			30			30		
SMW-Autoblok Type			EMX-S-1			EMX-S-2			EMX-S-3			EMX-S-4		
Axial stroke	mm		4			6			6			6		
Expansion in dia.	mm		0,8			1,2			1,2			1,2		
Max. actuating force	kN		15			20			25			35		
Max. torque	Nm		50			90			160			410		
Weight	kg		3,9			4,4			5,3			9,4		
Recommended clamping cylinders			SIN-S-70			SINS-S-85			SINS-S-85			SINS-S-85		

All measurements in unclamped position = Right end position.

- Size 1 - 4
- Large expansibility

Segment sleeve mandrel
Power operated



Technical design

1. Basic body EMX-S with spindle adapter
2. Segment sleeve (case hardened + vulcanized) with bayonet quick change.
Clamping sleeves size EMX-S-1 with three segments, clamping sleeves from size EMX-S-2 on with six segments for better gripping force distribution
3. Workstop

Clamping sleeves

EMX-S-1*

Ø	18	19	20	21	22	23	24	25	26	27	28	29	30
Id. No.	9601301800	9601301900	9601302000	9601302100	9601302200	9601302300	9601302400	9601302500	9601302600	9601302700	9601302800	9601302900	9601303000
Ø	31	32	33	34	35								
Id. No.	9601303100	9601303200	9601303300	9601303400	9601303500								

EMX-S-2**

Ø	30	31	32	33	34	35	36	37	38	39	40	41	42
Id. No.	9602303000	9602303100	9602303200	9602303300	9602303400	9602303500	9602303600	9602303700	9602303800	9602303900	9602304000	9602304100	9602304200
Ø	43	44	45	46	47	48	49	50	51	52	53	54	55
Id. No.	9602304300	9602304400	9602304500	9602304600	9602304700	9602304800	9602304900	9602305000	9602305100	9602305200	9602305300	9602305400	9602305500

EMX-S-3**

Ø	45	46	47	48	49	50	51	52	53	54	55	56	57
Id. No.	9603304500	9603304600	9603304700	9603304800	9603304900	9603305000	9603305100	9603305200	9603305300	9603305400	9603305500	9603305600	9603305700
Ø	58	59	60	61	62	63	64	65	66	67	68	69	70
Id. No.	9603305800	9603305900	9603306000	9603306100	9603306200	9603306300	9603306400	9603306500	9603306600	9603306700	9603306800	9603306900	9603307000
Ø	71	72	73	74	75	76	77	78	79	80			
Id. No.	9603307100	9603307200	9603307300	9603307400	9603307500	9603307600	9603307700	9603307800	9603307900	9603308000			

EMX-S-4**

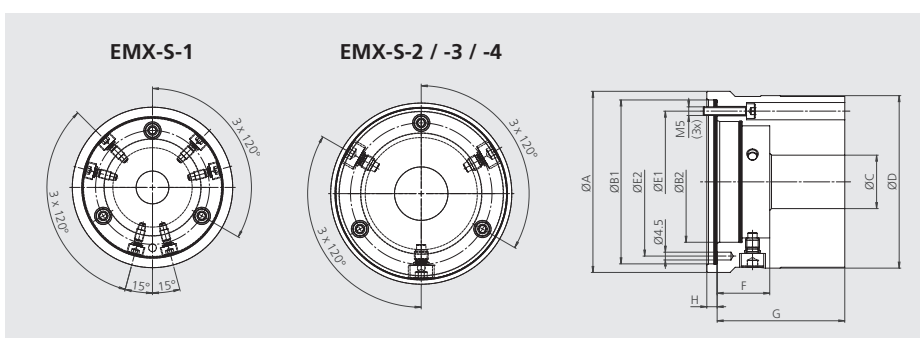
Ø	70	71	72	73	74	75	76	77	78	79	80	81	82
Id. No.	9604307000	9604307100	9604307200	9604307300	9604307400	9604307500	9604307600	9604307700	9604307800	9604307900	9604308000	9604308100	9604308200
Ø	83	84	85	86	87	88	89	90	91	92	93	94	95
Id. No.	9604308300	9604308400	9604308500	9604308600	9604308700	9604308800	9604308900	9604309000	9604309100	9604309200	9604309300	9604309400	9604309500
Ø	96	97	98	99	100	101	102	103	104	105			
Id. No.	9604309600	9604309700	9604309800	9604309900	9604310000	9604310100	9604310200	9604310300	9604310400	9604310500			

* The clamping sleeves have a max. radial expansibility in diameter of $\pm 0,4$ mm from the nominal diameter.

** The clamping sleeves have a max. radial expansibility in diameter of $\pm 0,6$ mm from the nominal diameter.

Soft work stop blanks

Type	EMX-S-1	EMX-S-2	EMX-S-3	EMX-S-4
Id. No.*	9100321	9100322	9100323	9100324
Id. No.**	5301416	5301417	5301418	5301419
A	93	105	113	142
B1	80	95	-	-
B2	-	-	88	115
C	19	31	46	71
D	82	100	114	143
E1	66	82	100	128
E2	70	86	104	128
F	27.5	30.5	41	45
G	53	74	95	105
H	6	6	-	-



* Soft, finish machined on mandrel side, pre machined on workpiece side.

** Soft, with stock material (0,3 mm) for case hardening and grinding

Ordering review set articles (1-circuit-Air sensing (AS) basic mandrel + adapter)

Type	Id.-No. EMX-S-1	Id.-No. EMX-S-2	Id.-No. EMX-S-3	Id.-No. EMX-S-4
A05	9601000005	9602000005	9603000005	9604000005
A06	9601000006	9602000006	9603000006	9604000006
A08	9601000008	9602000008	9603000008	9604000008
Z140	9601000140	9602000140	9603000140	9604000140
Z170	9601000170	9602000170	9603000170	9604000170

Parts included: Basic mandrel + standard flange + mounting bolts

For mandrels with 2-circuit-AS use Id. No. on page 310 for basic mandrel and code for adapters on page 312!

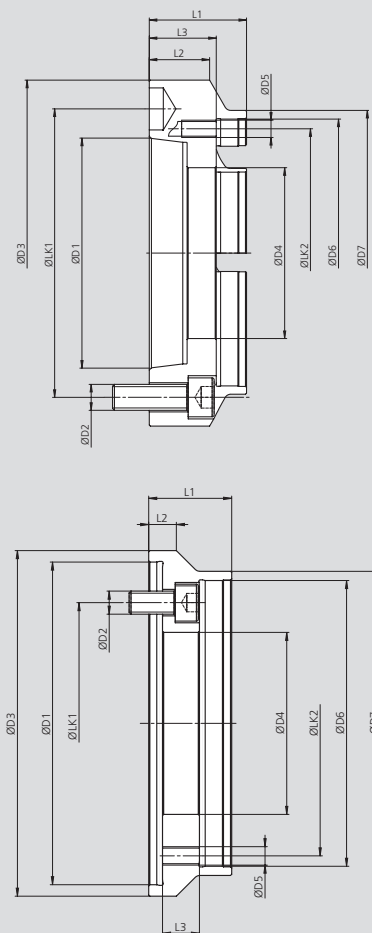
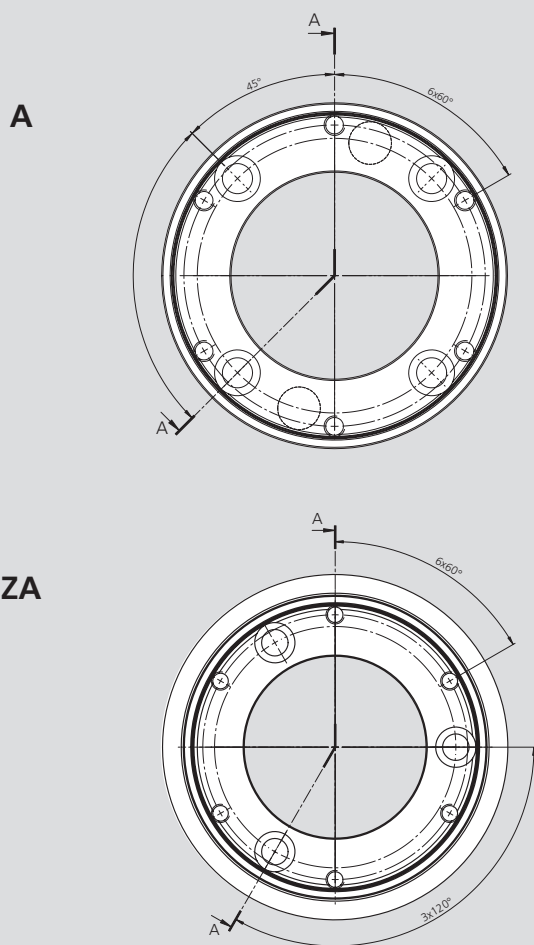
For mandrels with 2-circuit-AS use Id. no. of the basic mandrel on the previous page and code for adapters on the following page!

Adapters

ISO-A for expanding mandrels

- Mandrels EMX-S with cylindrical mounting
- Adapters for DIN 55026 / ISO-A 702-1 / ISO-A 702-1 spindle noses

SECTION A-A



Subject to technical changes.
For more detailed information please ask our customer service.

Technical data

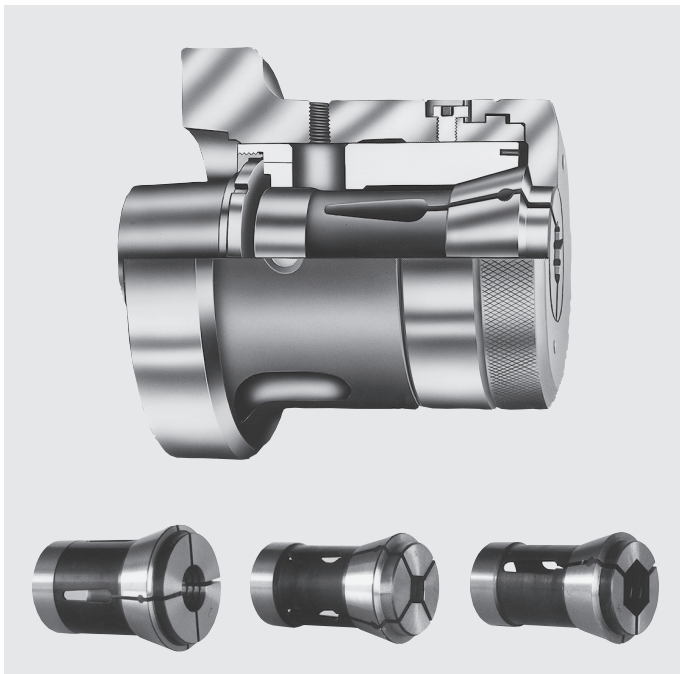
Flange Id. No.	Mandrel size		Spindle nose ISO 702-1 (A)	Spindle nose ISO 702-4 (ZA)	D1	LK1	D2	D3	D4	LK2	D5	D6	D7	L1	L2	L3
9600200005	EMX-S-1 / 2 / 3	mm	A5	-	82,563	104,8	4 x M10	132	79	115	6 x M8	124	D3	45	-	31
9600200006		mm	A6	-	106,375	133,4	4 x M12	160	79	115	6 x M8	124	132	45	28	31
9600200008		mm	A8	-	139,719	171,4	4 x M16	202	79	115	6 x M8	124	140	47	29	33
9600200140		mm	-	140	140	104,8	3 x M10	150	79	115	6 x M8	124	132	36	12	16
9600200170		mm	-	170	170	133,4	6 x M12	180	79	115	6 x M8	124	157	36	24,5	16
9604200005	EMX-S-4	mm	A5	-	82,563	104,8	4 x M10	157	79	137	6 x M8	147	D3	45	-	31
9604200006		mm	A6	-	106,375	133,4	4 x M12	157	102,5	137	6 x M8	147	D3	43	-	29
9604200008		mm	A8	-	139,719	171,4	4 x M16	202	103	137	6 x M8	147	157	47	17	33
9604200140		mm	-	140	140	104,8	3 x M10	157	80	137	6 x M8	147	D3	50	-	31
9604200170		mm	-	170	170	133,4	6 x M12	180	103	137	6 x M8	147	157	48	11,5	29

Notes



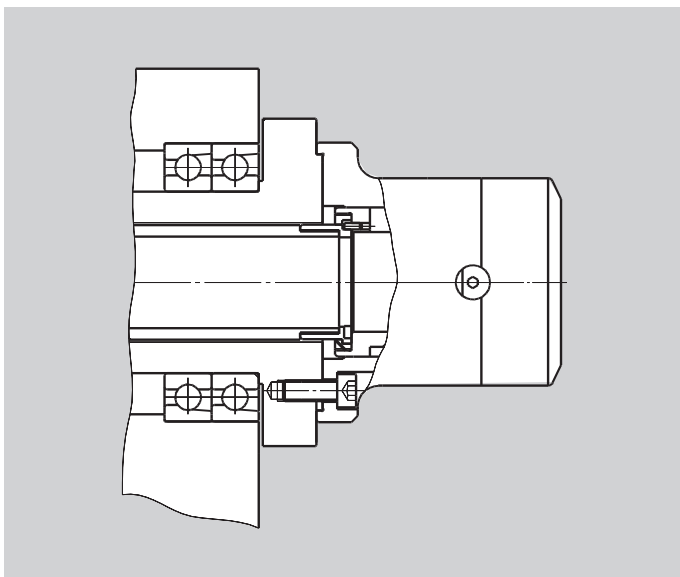
Application/customer benefits

- Efficient machining of bar material on automatic bar machines with bar feed.
- Less deformation of thin-walled components during clamping.
- Quick set-up by means of bayonet locking cap.
- For highest speeds.
- Clamping / unclamping of chuck during spindle rotation is possible.



Profitability

- Quick and simple installation to all lathes (alternating with 3-jaw chucks).
- Round, square and hexagonal material can be clamped by simply changing the collet.
- Cost effective by using standard collets DIN 6343 as well as standard Rubberflex and multi range collets.
- Collets for highest concentricity for special profiles, vulcanized, coated or ground to size are available on request.

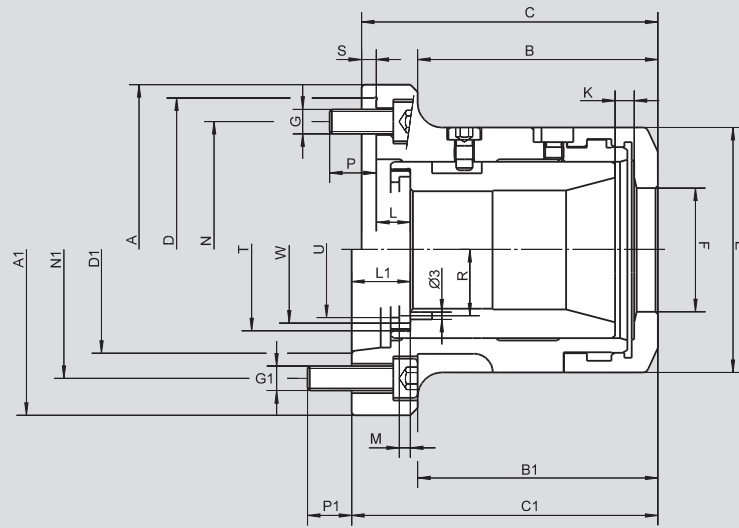


- Case hardened and ground chuck parts ensure long service life.
- Finish-machining of all parts in one set-up guarantees perfect concentricity.
- Direct mounting to the machine spindle ensures high concentricity.
- High operating reliability due to a minimum of parts.
- High axial positioning accuracy of the components by means of push type collet system.

■ Main dimensions and technical data

Collet chuck

Attention: Chuck position „open“ (left end position) is situated with end stop in actuating cylinder.
Do not actuate chuck without cap nut mounted!
Remove pin dia. 3 for rotating ring nut for direct connection in thread dimension T.



Subject to technical changes.
For more detailed information please ask our customer service.

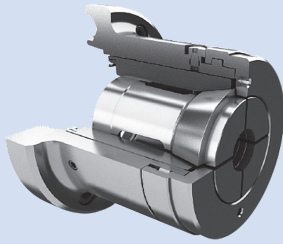
SMW-AUTOBLOK Type		KSZ-MB 40			KSZ-MB 60				KSZ-MB 80
Mounting		Z140	A5	A6	Z170	Z220	A6	A8	Z220 / A8
Id. No.		088174	088180	088179	088175	088176	088178	088177	091209
	A h6	148	-	-	185	235	-	-	-
	A1 h6	-	135	170	-	-	170	220	220
	B	90,9	-	-	108,9	108,9	-	-	-
	B1	-	96,9	91,9	-	-	117,9	108,4	147
	C	113,9	-	-	138,9	140,9	-	-	-
	C1	-	123,9	123,9	-	-	144,9	145,9	176,5
Center mounting	D	140	-	-	170	220	-	-	-
Short taper mounting according to DIN 55026	D1	-	A5	A6	-	-	A6	A8	A8
	E	102	102	102	130	130	130	130	156
	F	51	51	51	74	74	74	74	95
	G	3 x M10	-	-	6 x M12	6 x M16	-	-	-
	G1	-	4 x M10	4 x M12	-	-	4 x M12	4 x M16	6 x M16
	Kmax.	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5
	L	8,5	-	-	14,0	16,0	-	-	-
	L1	-	24,5	24,5	-	-	26,0	27,0	41
	M	4,5	4,5	4,5	4,5	4,5	4,5	4,5	6,0
	N	104,8	-	-	133,4	171,4	-	-	-
	N1	-	104,8	133,4	-	-	133,4	171,4	171,4
	P	18	-	-	14	20	-	-	-
	P1	-	14	14,5	-	-	16	16	27,5
	R	28	28	28	39,5	39,5	39,5	39,5	51
	S	6	-	-	6	6	-	-	-
Pressure sleeve thread / thread depth	T	M66 x 1,5 / 8			M90 x 1,5 / 8				M114 x 2 / 11
	U	54			77				99
	W	62,5			83				107
Max. speed	r.p.m.	6000	6000	6000	5000	5000	5000	5000	4000
Max. actuating force	daN	2500	2500	2500	3000	3000	3000	3000	3500
Max. gripping force	daN	5400	5400	5400	6500	6500	6500	6500	7300
Weight without collets	kg	6,1	7,7	7,8	13,6	14,2	14,1	18,1	20,8
Rec. actuating cylinders	Type	VNK-T2 102-46			VNK-T2 150-67				VNK-T2 200-86
Speed	r.p.m.	7000			5500				4000

KSZ-MB

Collet chuck

■ Ordering review

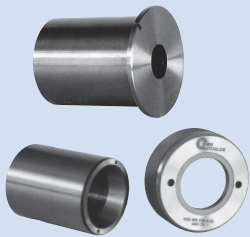
Supply range: Chuck and mounting bolts



Spindle mounting	Size	KSZ-MB 40	KSZ-MB 60	KSZ-MB 80 - 193 E
Centering rim standard		Z140 088174	Z170 088175	Z220* 091209*
Centering rim large		-	Z220 088176	-
A 05		088180	-	-
A 06		088179	088178	-
A 08		-	088177	091209*

* **Attention:** KSZ-MB 80-193E with standard centering rim (Id. No. 091209) has outside centering 220 mm (and also inside taper A8).

Accessories for KSZ-MB



Accessories	Size	KSZ-MB 40	KSZ-MB 60	KSZ-MB 80
Blank adapter		0363960	0360810	
Reduction for smaller collets (comprising pressure sleeve and cap nut)		KSZ-MB size 40 to size 26 0360720 / 0361792	KSZ-MB size 60 to size 40 0360121 / 0361360	KSZ-MB size 80 to size 40 0362082 / 0360135
		-	-	KSZ-MB size 80 to size 60 0362081 / 0360134

Collets for KSZ-MB 40

Steel collets DIN 6343 series 173 E with axial and radial grooves

ROUND*

Ø	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
Id.-No.	012961	012962	012963	012964	012965	012966	012967	012968	012969	012970	012971	012972	012973
Ø	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5
Id.-No.	012974	012975	012976	012977	012978	012979	012980	012981	012982	012983	012984	012985	012986
Ø	16	16.5	17	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22
Id.-No.	012987	012988	012989	012990	012991	012992	012993	012994	012995	012996	012997	012998	012999
Ø	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	28.5
Id.-No.	013000	013001	013002	013003	013004	013005	013006	013007	013008	013009	013010	013011	013012
Ø	29	29.5	30	30.5	31	31.5	32	32.5	33	33.5	34	34.5	35
Id.-No.	013013	013014	013015	013016	013017	013018	013019	013020	013021	013022	013023	013024	013025
Ø	35.5	36	36.5	37	37.5	38	38.5	39	39.5	40	40.5	41	41.5
Id.-No.	013026	013027	013028	013029	013030	013031	013032	013033	013034	013035	013036	013037	013038
Ø	42												
Id.-No.	013039												

HEXAGONAL with axial and radial grooves**

Hexagon	6	7	8	9	10	11	12	13	14	15	16	17	19
Id. No.	013040	013041	013042	013043	013044	013045	013046	013047	013048	013049	013050	013051	013052
Hexagon	20	21	22	24	26	27	28	30	31	32	36		
Id. No.	016428	016429	013053	013054	016430	013055	016431	013056	016432	013057	013058		

SQUARE with axial and radial grooves**

Square	6	7	8	9	10	11	12	13	14	15	16	18	20
Id. No.	013059	013060	013061	013062	013063	013064	013065	013066	013067	013068	013069	013070	013071
Square	22	25	28										
Id. No.	013072	013073	013074										

Rubberflex collets series 36 (recommended for raw part clamping)

ROUND

Ø	7-9	9-11	11-13	13-15	15-17	17-19	19-21	21-23	23-25	25-27	27-29	29-31	31-33
Id. No.	013076	013077	013078	013079	013080	013081	013082	013093	013083	013084	013085	013086	013087
Ø	33-35	35-37	37-39	39-41	41-43								
Id. No.	013088	013089	013090	013091	013092								

* Concentricity according to DIN 6343.

** Concentricity has to be agreed.

Collets for KSZ-MB 60

Steel collets DIN 6343 series 185 E with axial and radial grooves
ROUND*

Ø	4	5	6	7	8	9	10	11	12	13	14	15	16
Id. No.	013112	013113	013114	013115	013116	013117	013118	013119	013120	013121	013122	013123	013124
Ø	17	18	19	20	21	22	23	24	25	26	27	28	29
Id. No.	013125	013126	013127	013128	013129	013130	013131	013132	013133	016434	013134	013135	013136
Ø	30	31	32	33	34	35	36	37	38	39	40	41	42
Id. No.	013137	013138	013139	013140	013141	013142	013143	013144	016435	013145	013146	013147	013148
Ø	43	44	45	46	47	48	49	50	51	52	53	54	55
Id. No.	013149	013150	013151	013152	013153	013154	013155	013156	013157	013158	013159	013160	013161
Ø	56	57	58	59	60								
Id. No.	013162	013163	013164	013165	013166								

HEXAGONAL** with axial and radial grooves

⬡	8	9	10	11	12	13	14	15	16	17	19	22	24
Id. No.	013167	013168	013169	013170	013171	013172	013173	013174	013175	013176	013177	013178	013179
⬡	27	30	32	36	41	50							
Id. No.	013180	013181	013182	013183	019312	019592							

SQUARE** with axial and radial grooves

□	7	8	9	10	11	12	13	14	15	16	17	18	20
Id. No.	013184	013185	013186	013187	013188	013189	013190	013191	013192	013193	019110	013194	013195
□	22	25	28	30	32	35	36	40					
Id. No.	013196	013197	013198	013199	013200	019111	013201	017800					

Rubberflex collets series 52 (recommended for raw part clamping)
ROUND

Ø	35-37	37-39	39-41	41-43	43-45	45-47	47-49	49-51	51-53	53-55	55-57	57-59	59-61
Id. No.	013203	013204	013205	013206	013207	013208	013209	013210	013211	013212	013213	013214	013215

Collets for KSZ-MB 80

Steel collets DIN 6343 series 193 E with axial and radial grooves
ROUND*

Ø	20	21	22	23	24	25	26	27	28	29	30	31	32
Id. No.	013237	013238	013239	013240	013241	013242	013243	013244	013245	013246	013247	013248	013249
Ø	33	34	35	36	37	38	39	40	41	42	43	44	45
Id. No.	013250	013251	013252	013253	013254	013255	013256	013257	013258	013259	013260	013261	013262
Ø	46	47	48	49	50	51	52	53	54	55	56	57	58
Id. No.	013263	013264	013265	013266	013267	013268	013269	013270	013271	013272	013273	013274	013275
Ø	59	60	61	62	63	64	65	66	67	68	69	70	71
Id. No.	013276	013277	013278	013279	013280	013281	013282	013283	013284	013285	013286	013287	013288
Ø	72	73	74	75	76	77	78	79	80				
Id. No.	013289	013290	013291	013292	013293	013294	013295	013296	013297				

Further collets are available on request.

* Concentricity according to DIN 6343.

** Concentricity has to be agreed.

- With axial pull-down
- With free through hole



Application/customer benefits

- Maximum tool accessibility thanks to compact external geometry
- Minimal clamping device weight for easy handling
- Ideally suited for bar feeder machines
- Long service life thanks to case-hardened components
- Reliable protection against chip nesting thanks to internal sealing lip
- Wide range of standard collets available
- Flexible use for raw and finished part diameters

Technical features

- With axial pull-down
- Manual lubrication

Standard equipment

Collet chuck
with bolt

Ordering example

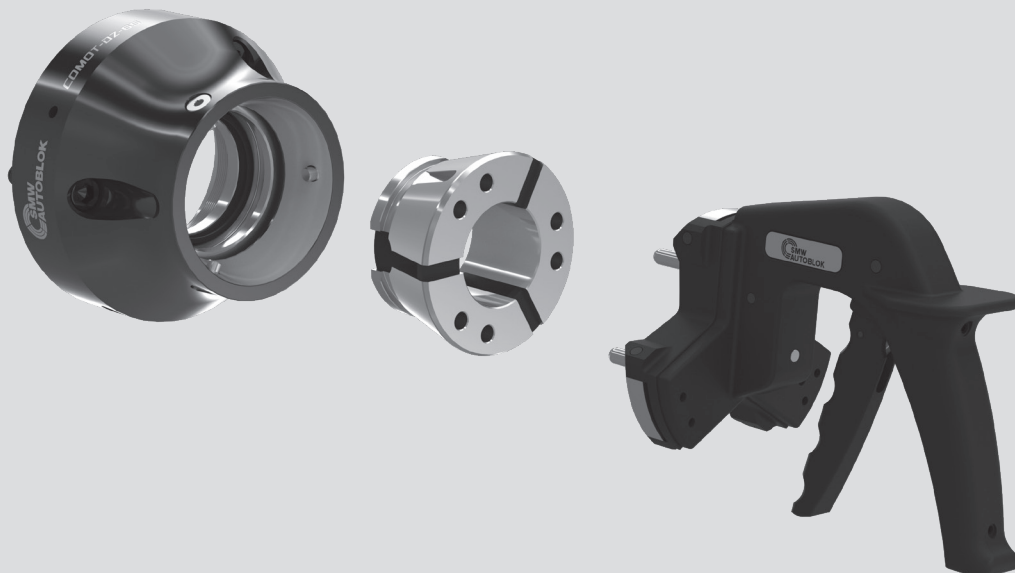
COMOT-DZ-65-Z170

Application Examples

Collet chuck COMOT-DZ 65 with collet



Collet chuck COMOT-DZ 65 with clamping collet removed with manual changing unit

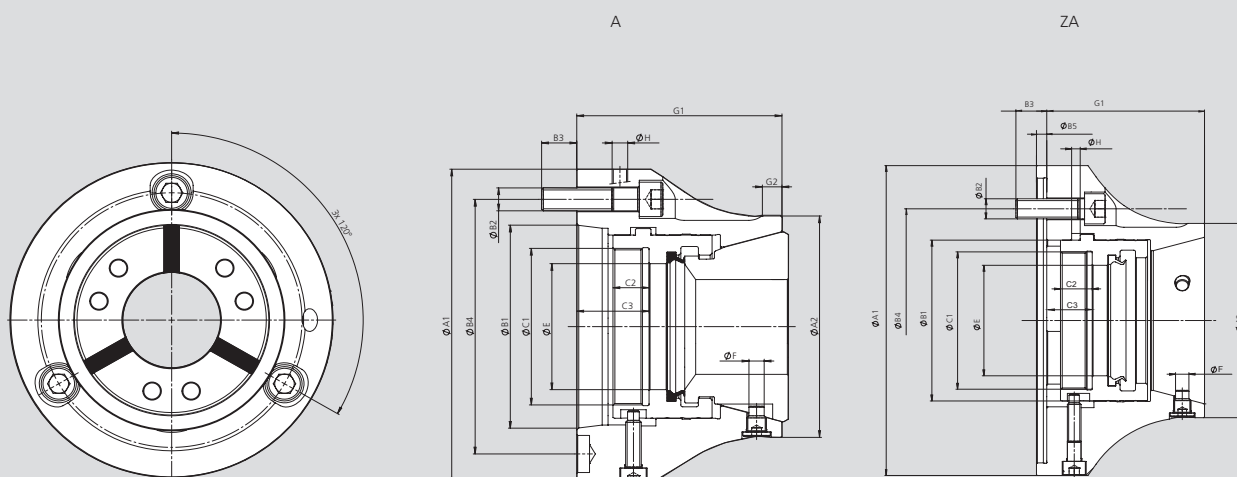


Collet chuck

- With axial pull-down
- With free through hole

COMOT-DZ

Compact collet chuck



*** In open position (right end position).

Use only with protective sleeve or workpiece stop!

SMW-AUTOBLOK Type		COMOT-DZ-42		COMOT-DZ 52		COMOT-DZ-65		COMOT-DZ 80	
Id-No. COMOT**		9710210005	9710210140	9710310005	9710310140	9710410006	9710410170	9710510008	9710510220
Spindle size		A05	Z140	A05	Z140	A06	Z170	A08	Z220
A1	mm	133	150	133	150	165	185	210	235
A2	mm	96		96		116		135	
B1	mm	104,8		104,8		133,4		171,4	
B2	3 x 120°	3 x M10		3 x M10		3 x M12		3 x M16	
B3	mm	15		15		18		22	23
B4	mm	A05	Z140	A05	Z140	A06	Z140	A08	Z220
B5	mm	-	5	-	5	-	6	-	6
C1	mm	M62 x 1,5		M62 x 1,5		M82 x 1,5		M102 x 1,5	
C2	mm	17		17		18,5		18	
C3***	mm	36,5	22,5	36,5	22,5	39,5	26,5	41	31
E	mm	43		53		66		82	
F	mm	5,8		5,8		7,8		7,8	
G1	mm	86	72	89	75	105	92	100	90
G2	mm	20		20		10		20	
H	3 x 120°	M6		M6		M8		M10	

SMW-Autoblok Type		COMOT-DZ-42		COMOT-DZ 52		COMOT-DZ-65		COMOT-DZ 80	
Axial stroke	mm	4,5		4,5		5		5	
Loading clearance in Ø*	mm	0,8		0,8		0,8		0,8	
Reserve stroke in Ø*	mm	1		1		1		1	
Max. Actuating force	kN	35		40		45		55	
Max. Clamping force radial	kN	80		90		105		115	
Max. Speed rpm	1/min	7000		7000		6000		6000	
Weight	kg	4,1	3,8	4,05	3,749	8,1	8,4	10,208	11,307

* From nominal collet dia.

** No use of intermediate flange necessary!

- With axial pull-down
- For axial stops front/center with air system control
- Adaptation options



Application/customer benefits

- Highest manufacturing precision – for exact dimensional accuracy and consistent repeatability
- Stable clamping force thanks to axial pull-down against workpiece stop (front/center) – for low-vibration machining
- Sealed against the ingress of chips and cooling lubricant
- Wide range of standard collets available
- Use of attachment mandrels from the "Connect" series
- Use of high-precision collets

Technical features

- With axial pull-down
- With radial fine adjustment for aligning the clamping device on the flange (4x 90°) prepared for air system control (central or frontal)
- Manual lubrication

Standard equipment

Collet chuck
with bolts
with basic workstop (central M12)
with protection sleeve (with through-hole)

Ordering example

COMOT-AZ-65-Z170

Application Examples

Collet chuck COMOT-AZ with standard collet for O.D. Clamping



Vulcanized standard collet



Collet chuck COMOT-AZ* with extension mandrel EMX-F-CO „Connect“ for I.D. Clamping



*For the mandrels please see the page of the mandrels EMX-F-CO

Connect chuck (quick-change, no manual alignment required)



Collet chuck COMOT-AZ with premium adapter PA* for high-precision O.D. Clamping



*For the premium adapters please see the page of PA-Comot

Clamping with slotted high-precision collet

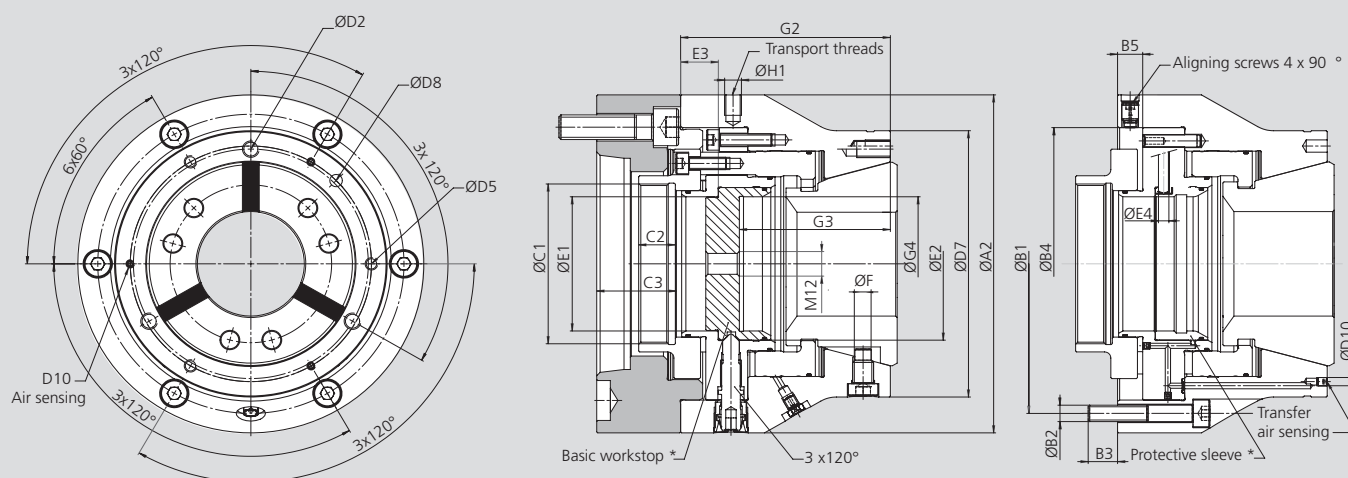


Collet chuck

- With axial pull-down
- For axial stops front/center with air system control
- Adaptation options

COMOT-AZ

Versatile collet chuck



*** In open position (right end position).

Use only with protective sleeve or workpiece stop!

SMW-AUTOBLOK Type		COMOT-AZ-42	COMOT-AZ-52	COMOT-AZ-65	COMOT-AZ-80	COMOT-AZ-100
Id-No. COMOT without flange**		9700210000	9700310000	9700410000	9700510000	9700610000
A2	mm	144	152	165	200	230
B1	mm	126	134	146	176	208
B2 6 x 60°	mm	6 x M8	6 x M8	6 x M8	6 x M8	6 x M10
B3		12	12	14	15	19,5
B4 0,01	mm	110	118	133	158	185
B5	mm	12	12	12	11	12
C1	mm	M54 x 1,5	M64 x 1,5	M78 x 1,5	M90 x 2,0	M115 x 2
C2		17	17	17,5	17,5	24
C3***	mm	37	38	40	41	55
D2 Thread / depth / Pitch circle	3 x 120°	M8 / 16 / 93	M8 / 16 / 93	M8 / 16 / 112	M8 / 16 / 132	M8 / 16 / 162
D5 Thread / depth / Pitch circle	3 x 120°	M6 / 12 / 95	M6 / 12 / 95	M6 / 12 / 115	M8 / 12 / 132	M8 / 18 / 162
D7 -0,02 / -0,05		110	110	130	150	180
D8 Thread / depth / Pitch circle (H7)	mm	Ø6 / 10 / 95	Ø6 / 10 / 95	Ø6 / 10 / 115	Ø6 / 10 / 132	Ø6 / 10 / 162
D10 Thread / pitch circle	3 x 120°	M4 / 95	M4 / 95	M4 / 115	M4 / 135	M4 / 165
E1		43	52,5	65,5	80,5	101
E2 H7	mm	49,5	61	74,5	89,5	111,5
E3	mm	17	17	18	17	18
E4 Orientation for workstop	mm	5	5	5	5	5
F	mm	5,8	5,8	7,8	7,8	7,8
G2	mm	88	91	100	100	115
G3	mm	61	64	72	73	102
G4	mm	42,5	53	65,5	80,5	90
H1	3 x 120°	M8	M8	M8	M10	M10
SMW-AUTOBLOK Type		COMOT-AZ-42	COMOT-AZ-52	COMOT-AZ-65	COMOT-AZ-80	COMOT-AZ-100
Axial stroke	mm	5,5	5,5	5,5	5,5	8
Loading clearance in Ø*	mm	0,8	0,8	0,8	0,8	2
Reserve stroke in Ø*	mm	1	1	1	1	1,5
Max. Actuating force	KN	35	40	45	55	65
Max. Clamping force radial	KN	80	90	105	115	150
Max. Speed rpm	1/min	7000	7000	6000	6000	5000
Weight without collets	kg	6,9	7,719	9,2	14,453	19,8

* from nominal collet dia.

** Id. No. COMOT with flanges see the page of the flanges

- Without axial pull-down
- For axial stops front/center with air system control



Application/customer benefits

- Highest manufacturing precision – for exact dimensional accuracy and consistent repeatability
- Position-neutral clamping – for tension-free transfer between main and counter spindle
- Sealed against the ingress of chips and cooling lubricant
- Wide range of standard collets available
- Can be used with front/central stop or with free passage

Technical features

- Without axial pull-down
- With radial fine adjustment for aligning the clamping device on the flange (4x 90°)
- Prepared for air system control (central or frontal)
- Manual lubrication

Standard equipment

Collet chuck
with bolts
with basic workstop (central M12)
with protection sleeve (with free through-hole)

Ordering example

COMOT-NZ-65-Z170

Application Examples

COMOT-NZ 65 collet chuck with collet

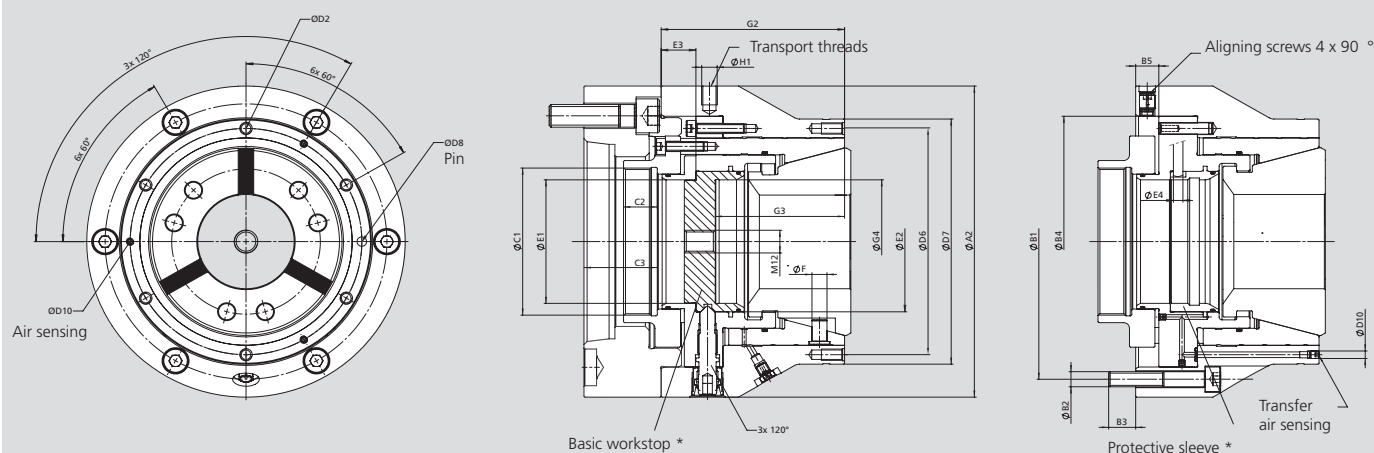


Clamping with standard collet



- Without axial pull-down
- For axial stops front/center with air system control

Position-neutral collet chuck



***In open position (left end position).

Use only with protective sleeve or workpiece stop!

SMW-AUTOBLOK Type		COMOT-NZ-42	COMOT-NZ-52	COMOT-NZ-65	COMOT-NZ-80	COMOT-NZ-100
Id-No. COMOT without flange**		9720210000	9720310000	9720410000	9720510000	9720610000
A2	mm	144	152	165	200	230
B1	mm	126	134	146	178	208
B2	6 x 60°	mm	6 x M8	6 x M8	6 x M10	6 x M10
B3		15	15	14	15	20
B4	+0,01	mm	110	118	133	158
B5		mm	12	12	12	12
C1		mm	M54 x 1,5	M64 x 1,5	M78 x 1,5	M90 x 2
C2			17	17	17,5	24
C3***	mm	33,5	34	35,5	35,5	47
D2	Thread / depth / Pitch circle	6 x 60°	M6 / 12	M6 / 12	M6 / 12	M8 / 16
D6			98	98	120	144
D7	-0,02 / -0,05	mm	110	110	130	158
D8	H7	mm	Ø5 / 10 / 98	Ø5 / 10 / 98	Ø5 / 10 / 120	Ø5 / 10 / 144
D10	Thread / pitch circle	3 x 120°	M4 / 98	M4 / 98	M4 / 120	M4 / 144
E1		mm	43	52,5	65,5	80,5
E2	H7	mm	49,5	61	74,5	89,5
E3		mm	17	17	18	18
E4		mm	4	5	5	5
F		mm	5,8	5,8	7,8	7,8
G2		mm	85	88	95	100
G3		mm	58	61	67	72
G4		mm	42,5	53	65,5	80,5
H1	3 x 120°		M8	M8	M10	M10

SMW-AUTOBLOK Type		COMOT-NZ-42	COMOT-NZ-52	COMOT-NZ-65	COMOT-NZ-80	COMOT-NZ-100
Axial stroke	mm	4,5	4,5	4,5	4,5	8
Loading clearance in Ø*	mm	0,8	0,8	0,8	0,8	1,5
Reserve stroke in Ø*	mm	1	1	1	1	1,5
Max. Actuating force	kN	35	40	45	55	65
Max. Clamping force radial	kN	80	90	105	115	150
Max. Speed rpm	1/min	7000	7000	6000	6000	5000
Weight	kg	7,001	7,724	9,664	15,479	21,493

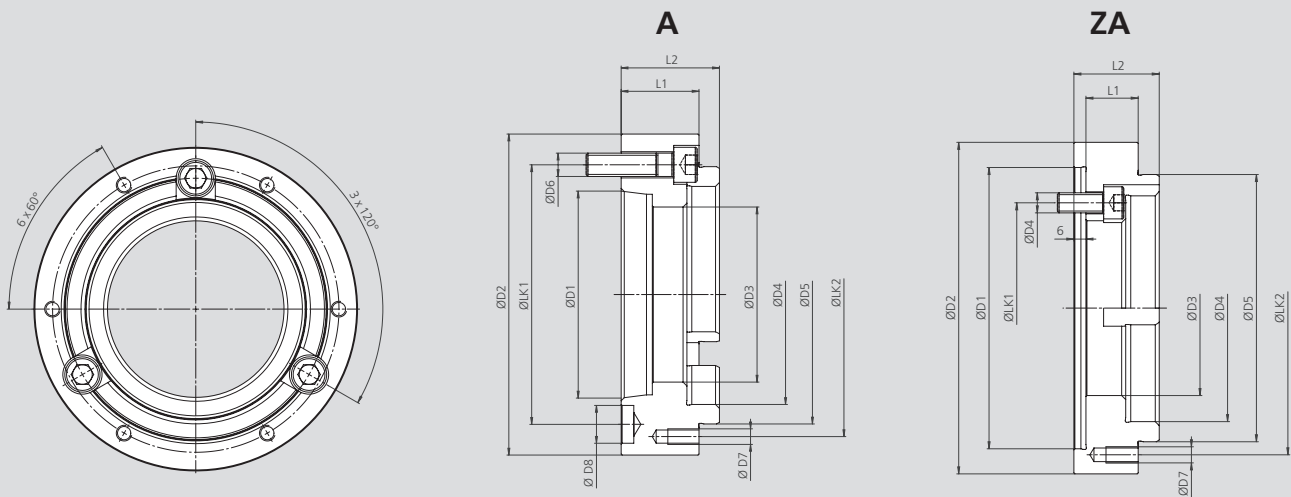
* from nominal collet dia.

**Id. No. COMOT with flanges see the page of the flanges

Connection

Adapter flanges

- Suitable for COMOT AZ / NZ
- Flanges for machine spindles DIN 55026 / ISO-A 702-1/ ISO-A 702-4



Subject to technical changes.
For more detailed information please ask our customer service.

Technical data

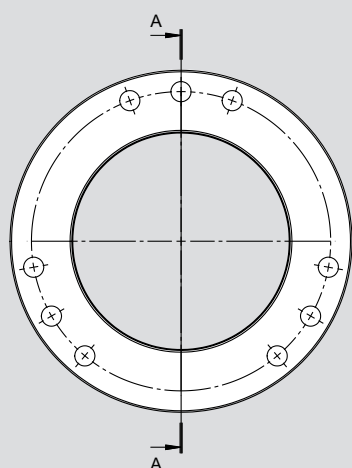
SMW-AUTOBLOK Type	Spindle noses		Id. No.	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	D5 (mm)	LK1 (mm)	D6 (mm)	LK2 (mm)	D7 (mm)	D8 (mm)	L1 (mm)	L2 (mm)
	ISO 702-1 (A)	ISO 702-4 (ZA)													
COMOT 42	A04	-	9700220004	82,6	144	62	90	110	82,6	3 x M10	126	6 x M8	14,7	35	45,5
	A05	-	9700220005	82,563	144	65	90	110	104,8	3 x M10	126	6 x M8	16,3	38	48,5
	A06	-	9700220006	106,375	165	65	90	110	133,4	3 x M12	126	6 x M8	19,45	38	48,5
	-	Z140	9700220140	140	150	65	90	110	104,8	3 x M10	126	6 x M8	-	24	40,5
	-	-	9700220170	170	180	65	90	110	133,4	3 x M12	126	6 x M8	-	24	40,5
COMOT 52	A05	-	9700320005	118	152	73	98	118	104,8	3 x M10	134	6 x M8	16,3	31,8	48,5
	A06	-	9700320006	106,375	165	73	98	118	133,4	3 x M12	134	6 x M8	19,45	31,8	48,5
	-	Z140	9700320140	140	152	73	98	118	104,8	3 x M10	134	6 x M8	-	24	40,5
	-	Z170	9700320170	170	180	73	98	118	133,4	3 x M12	134	6 x M8	-	24	40,5
COMOT 65	A05	-	9700420005	82,563	165	90	113	133	104,8	3 x M10	146	6 x M8	16,3	40	50,5
	A06	-	9700420006	106,375	165	90	113	133	133,4	3 x M12	146	6 x M8	19,45	40	50,5
	A08	-	9700420008	139,719	210	90	113	133	171,4	3 x M16	146	6 x M8	24,2	40	50,5
	-	Z140	9700420140	140	165	87	113	133	104,8	3 x M10	146	6 x M8	-	26	42,5
	-	Z170	9700420170	170	180	90	113	133	133,4	3 x M12	146	6 x M8	-	26	42,5
	-	Z220	9700420220	220	230	90	113	133	171,4	3 x M16	146	6 x M8	-	26	42,5
COMOT 80	A06	-	9700520006	106,375	200	107	134	158	133,4	3 x M12	176	6 x M10	13,5	43	53,5
	A08	-	9700520008	171,4	210	107	134	158	139,179	3 x M16	178	6 x M10	24,2	45	55,5
	A11	-	9700520011	196,869	280	107	134	158	235	3 x M20	235	6 x M10	29,4	45	55,5
	-	Z170	9700520170	170	200	106	134	158	133,4	3 x M12	176	6 x M10	-	30	46,5
	-	Z220	9700520220	220	230	106	134	158	171,4	3 x M16	178	6 x M10	-	30	46,5
COMOT 100	A6	-	9700620006	106,375	230	103	163	185	133,4	3 x M12	208	6 x M10	19,45	59	70
	A8	-	9700620008	139,719	230	130	163	185	171,4	3 x M16	208	6 x M10	24,2	54	65
	A11	-	9700620011	196,869	280	130	163	185	235	3 x M20	208	6 x M10	29,4	56	67
	-	Z170	9700620170	170	230	130	163	185	133,4	3 x M12	208	6 x M10	-	59	76
	-	Z220	9700620220	220	235	130	163	185	171,4	3 x M16	208	6 x M10	-	45	62

Odering overview (chuck with flange)

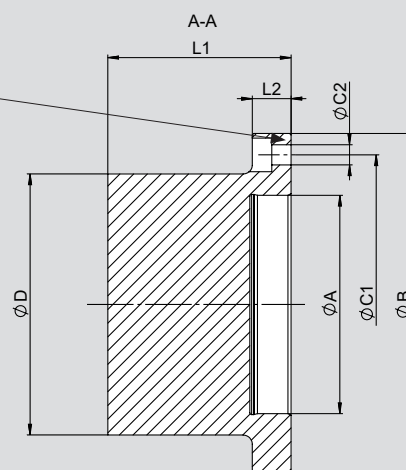
SMW-AUTOBLOK Typ	COMOT- AZ-42	COMOT- NZ-42	COMOT- AZ-52	COMOT- NZ-52	COMOT- AZ-65	COMOT- NZ-65	COMOT- AZ-80	COMOT- NZ-80	COMOT- AZ-100	COMOT- NZ-100
Id-No. chuck*	9700210000	9720210000	9700310000	9720310000	9700410000	9720410000	9700510000	9720510000	9700610000	9720610000
A04	9700200004	-	-	-	-	-	-	-	-	-
A05	9700200005	9720200005	9700300005	9720300005	9700400005	9720400005	-	-	-	-
A06	9700200006	9720200006	9700300006	9720300006	9700400006	9720400006	9700500006	9720500006	9700600006	9720600006
A08	-	-	-	-	9700400008	9720400008	9700500008	9720500008	9700600008	9720600008
A11	-	-	-	-	-	-	-	-	9700600011	9720600011
Z140	9700200140	9720200140	9700300140	9720300140	9700400140	9720400140	-	-	-	-
Z170	9700200170	9720200170	-	-	9700400170	9720400170	9700500170	9720500170	9700600170	9720600170
Z220	-	-	-	-	9700400220	9720400220	9700500220	9720500220	9700600220	9720600220

*without flange

- For COMOT-AZ
- For COMOT-NZ



Stroke limit for chuck.
Must not be reworked.



Subject to technical changes.
For more detailed information please ask our customer service.

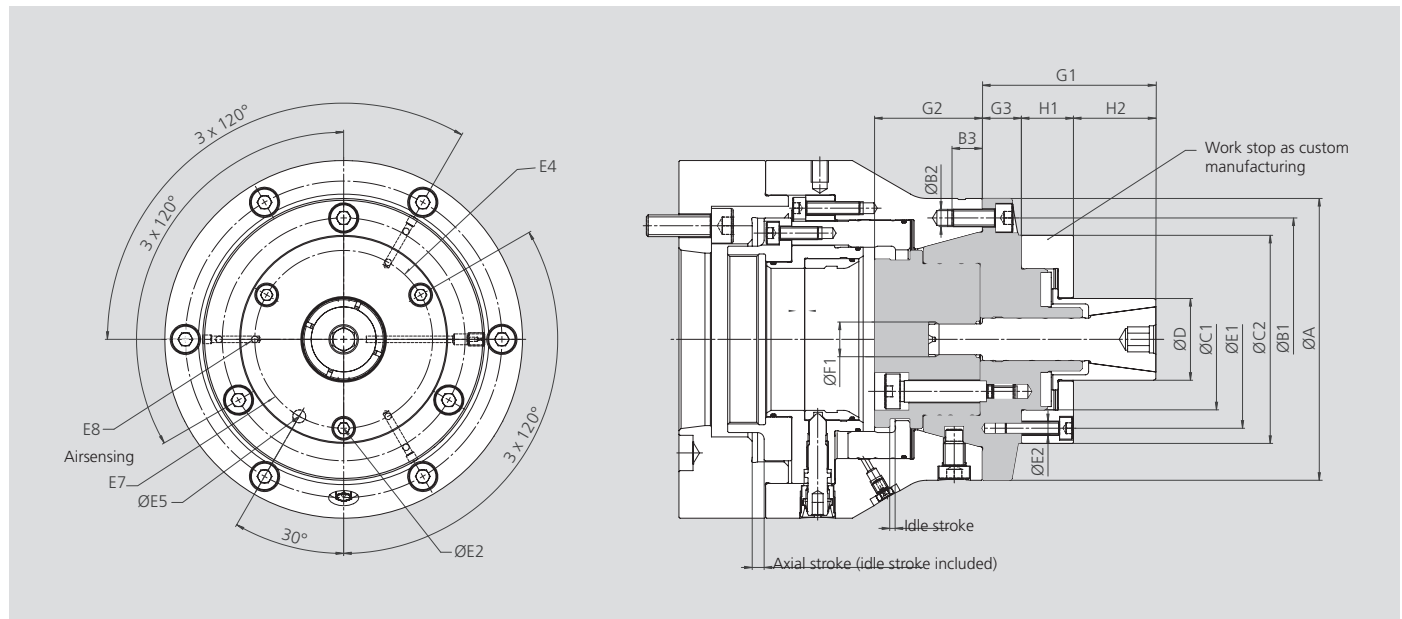
Technical data

SMW-AUTOBLOK Type	Id.-No.	A (mm)	B (mm)	C1 (mm)	C2 (mm)	D (mm)	L1 (mm)	L2 (mm)
COMOT-AZ-42	9700220000	48,5 ^{H7}	87	73	9 x 6,6	60,5	60	12,7
COMOT-NZ-42	9720220000	48,5 ^{H7}	88	78	9 x 5,5	61	60	13,7
COMOT-AZ-52	9700320000	58,5 ^{H7}	96	82	9 x 6,6	70	58	12,7
COMOT-NZ-52	9720320000	58,5 ^{H7}	96	86,4	9 x 5,5	70,5	58	13,7
COMOT-AZ-65	9700420000	71,5 ^{H7}	112	98	9 x 6,6	85,5	60	12,7
COMOT-NZ-65	9720420000	71,5 ^{H7}	112	101	9 x 5,5	86	60	13,7
COMOT-AZ-80	9700520000	87 ^{H7}	132	114,5	9 x 9	98,5	65	14
COMOT-NZ-80	9720520000	87 ^{H7}	133	119,5	6,6 x 5,5	102	65	16
COMOT-AZ-100	9700620000	109 ^{H7}	162	143	9 x 9	125,5	70	15
COMOT-NZ-100	9720620000	109 ^{H7}	162	147,5	9 x 6,6	126	70	15

The blank has been machined on the clamping side.
Material: 1.7225 (42CrMo4) tempered

- Quick change
- Without axial pull-down

EMX-F-CO for COMOT-AZ



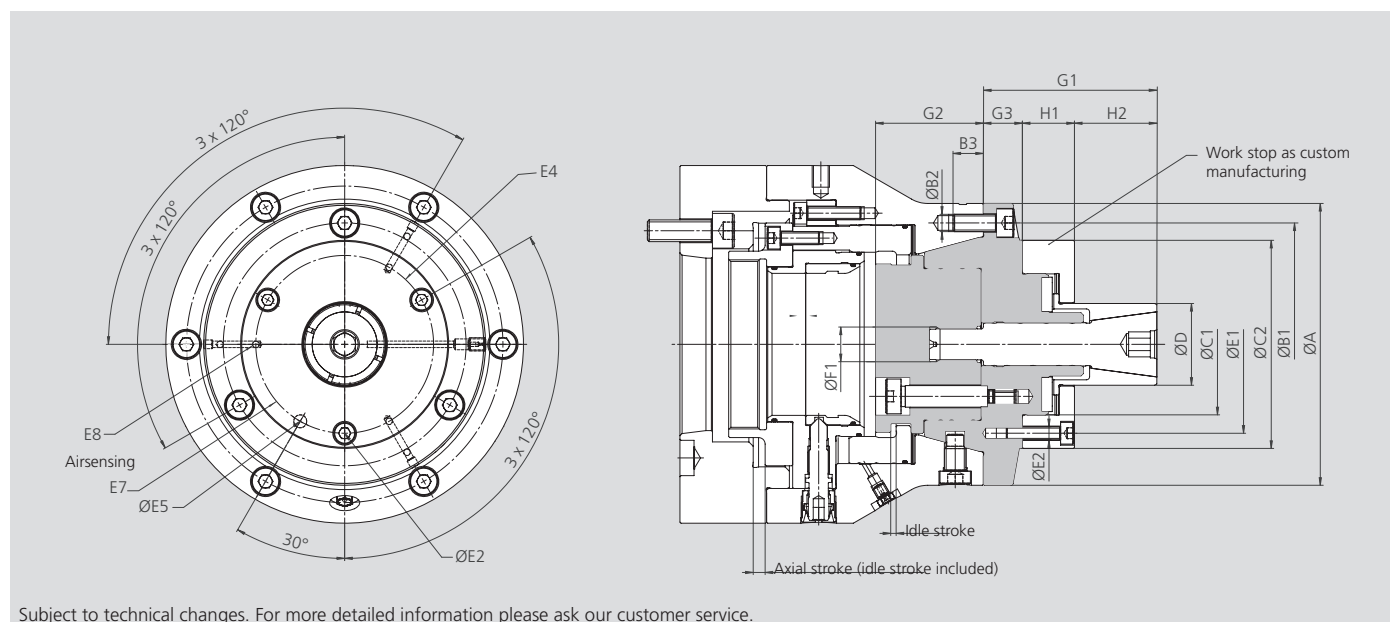
SMW-AUTOBLOK Chuck type	COMOT-AZ-42			COMOT-AZ-52			COMOT-AZ-65				
SMW-AUTOBLOK Mandrel type	EMX-F-1- CO-42	EMX-F-2- CO-42	EMX-F-3- CO-42	EMX-F-1- CO-52	EMX-F-2- CO-52	EMX-F-3- CO-52	EMX-F-0- CO-65	EMX-F-1- CO-65	EMX-F-2- CO-65	EMX-F-3- CO-65	EMX-F-4- CO-65
Id. No.	9700251100	9700251200	9700251300	9700351100	9700351200	9700351300	9700451000	9700451100	9700451200	9700451300	9700451400
A	110			110			130				
B1	93			93			112				
B2	3 x M8			3 x M8			3 x M8				
B3	12,6			12,6			13,6	12,6			
C1	42	52	65	42	52	65	38	42	52	65	88
C2	110			110			130				
D Clamping range	20 - 30	28 - 40	35 - 55	20 - 30	28 - 40	35 - 55	14-21,5	20 - 30	28 - 40	35 - 55	50 - 75
E1	65 / 93	75 / 93	90	65 / 93	75 / 93	90	65 / 112	65 / 112	75 / 112	90 / 112	112
E2 3 x 120°/depth/pitch circle Ø E1	M6 / 12		M6 / 16	M6 / 12		M6 / 16	M6 / 12				M8
E4	65	75	90	65	75	90	65	65	75	90	112
E5 H7/depth/pitch circle Ø E4	Ø 6 / 12			Ø 6 / 12			Ø 6 / 12				
E7	65	75	90	65	75	90	65	65	75	90	115
E8 3 x 120°/pitch circle Ø E7	Ø3			Ø3			Ø3				
F1	M10 x 1	M14 x 1,5	M16 x 1,5	M10 x 1	M14 x 1,5	M16 x 1,5	M8 x 1	M10 x 1	M14 x 1,5	M16 x 1,5	M16 x 1,5
G1	61	68	76	62,2	69,2	77	53	61	68	76	93
G2 Unclamped position	39	39,6	39	40,2	40,8	40,2	49,8	49,5	50,4	49,8	49,8
G3	16			16			15	16			
H1 min.	18	18	22	16	16	16	23* 14**	18	18	22	25
H2 max.	27	34	38	21	23	26	15* 23**	27	34	38	52
SMW-AUTOBLOK Chuck type	COMOT-AZ-42			COMOT-AZ-52			COMOT-AZ-65				
Axial stroke chuck	5,5			5,5			5,5				
Idle stroke	2,5	3,1	2,5	2,5	3,1	2,5	2,5	2,5	3,1	2,5	2,5
Axial stroke mandrel	3	2,4	3	3	2,4	3	3	3	2,4	3	3
Expansion in Ø	0,6	0,6	0,8	0,6	0,6	0,8	0,5	0,6	0,6	0,8	0,8
Max. Actuating force in kN	12	20	25	12	20	25	8	12	20	25	25
Max. Clamping force radial in kN	61	90	113	61	90	113	42	61	90	113	113
Max. Speed r.p.m.	5000			4000			4000				

Note: For taper and clamping sleeves, see EMX-F sleeve clamping mandrel.
The retaining plates of the EMX-F are not compatible with the EMX-F-CO.
A specific stop for the EMX-F-CO replaces the retaining plate and must be ordered separately.

*Up to clamping diameter Ø15,5.
**From clamping diameter Ø16.

- Quick change
- Without axial pull-down

EMX-F-CO for COMOT-AZ



Subject to technical changes. For more detailed information please ask our customer service.

SMW-AUTOBLOK Chuck type	COMOT-AZ-80				COMOT-AZ-100				
SMW-AUTOBLOK Mandrel type	EMX-F1- CO-80	EMX-F2- CO-80	EMX-F3- CO-80	EMX-F4- CO-80	EMX-F1- CO-100	EMX-F2- CO-100	EMX-F3- CO-100	EMX-F4- CO-100	EMX-F5- CO-100
Id. No.	9700551100	9700551200	9700551300	9700551400	9700651100	9700651200	9700651300	9700651400	9700651500
A	150				180				
B1	132				162				
B2	3 x M8				6 x M8				
B3	12,6				12,6				
C1	42	52	65	88	42	52	65	88	112
C2	114,5				130			180	
D Clamping range	20 - 30	28 - 40	35 - 55	50 - 75	20 - 30	28 - 40	35 - 55	50 - 75	70 - 95
E1	65/112/132	75/112/132	90/112/132	112/132	65/112	75/112	90/112	112/162	162
E2 3 x 120°/depth/pitch circle Ø E1	M6 / 12				M6 / 12			M8 / 16	
E4	65	75	90	104	65	75	90	112	135
E5 H7/depth/pitch circle Ø E4	Ø 6 / 12				Ø 6 / 12				
E7	65	75	90	104	65	75	90	112	135
E8 3 x 120°/pitch circle Ø E7	Ø 3				Ø 3				
F1	M10 x 1	M14 x 1,5	M16 x 1,5	M16 x 1,5	M10 x 1	M14 x 1,5	M16 x 1,5	M16 x 1,5	M20 x 1,5
G1	61	68	76	93	65	72	80	93	115
G2 Unclamped position	49,8	50,4	49,8	49,8	57	57,6	57	57	55
G3	16	16			20	20	20	16	16
H1 min.	18	18	22	25	18	18	22	25	30
H2 max.	27	34	38	52	27	34	38	52	69

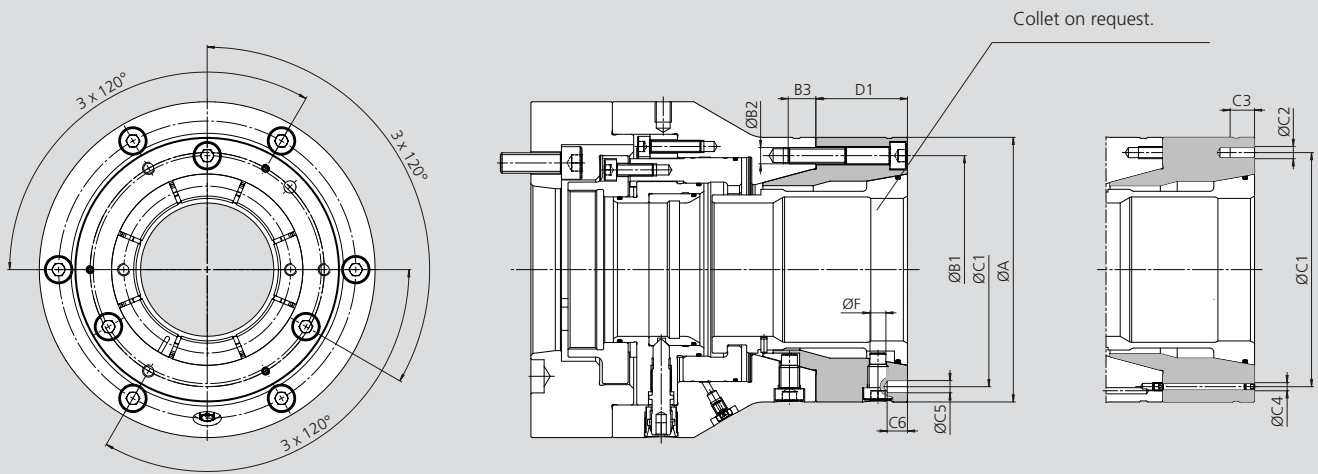
SMW-AUTOBLOK Chuck type	COMOT-AZ-80				COMOT-AZ-100				
Axial stroke chuck	5,5				8				
Idle stroke	2,5	3,1	2,5	2,5	5	5,6	5	5	3
Axial stroke mandrel	3	2,4	3	3	3	2,4	3	3	5
Expansion in Ø	0,6	0,6	0,8	0,8	0,6	0,6	0,8	0,8	1,2
Max. Actuating force in kN	12	20	25	25	12	20	25	25	30
Max. Clamping force radial in kN	61	90	113	113	61	90	113	113	159
Max. Speed r.p.m.	4000				3500				

Adaptation

Premium adapter for COMOT collet chucks

- Suitable for COMOT-AZ
- Quick change
- For mounting high-precision collets

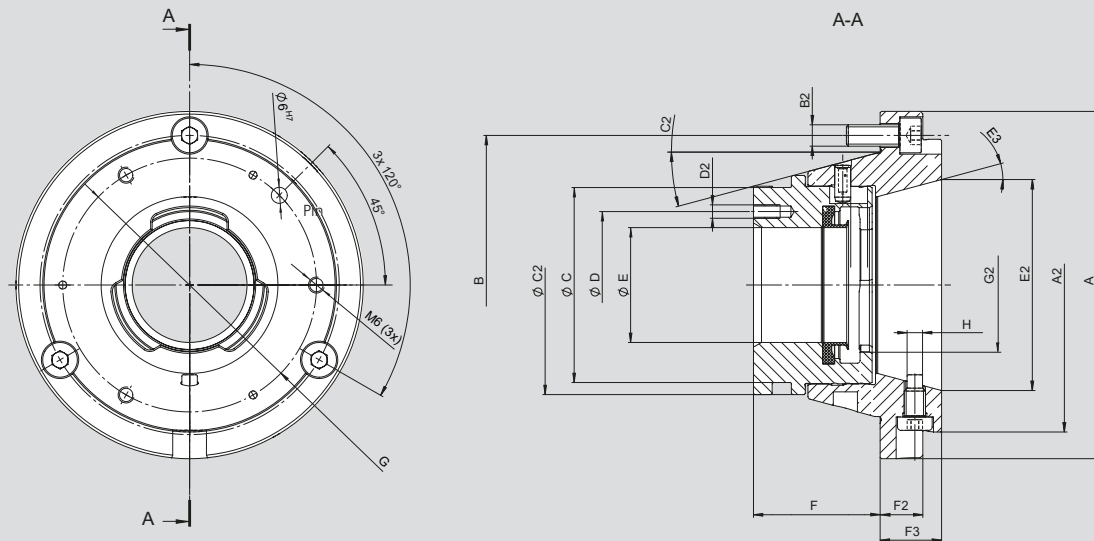
Accuracy attachment PA COMOT



Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Chuck-Type			COMOT-AZ-65	COMOT-AZ-100
Premium adapter-Type			PA-65	PA-100
Id. No. Premium adapter			9700430000	9700630000
A	-0,02 / -0,05	mm	130	180
B1		mm	112	162
B2	3 x 120°		3 x M8	6 x M8
B3		mm	13,6	13,6
C1		mm	115	162
C2	3 x 120°		3 x M6	6 x M6
C3		mm	12	12
C4	3 x 120°		3 x M4	3 x M4
C5	H7	mm	6	6
C6		mm	10	10
D1		mm	45	55
F		mm	7,8	7,8

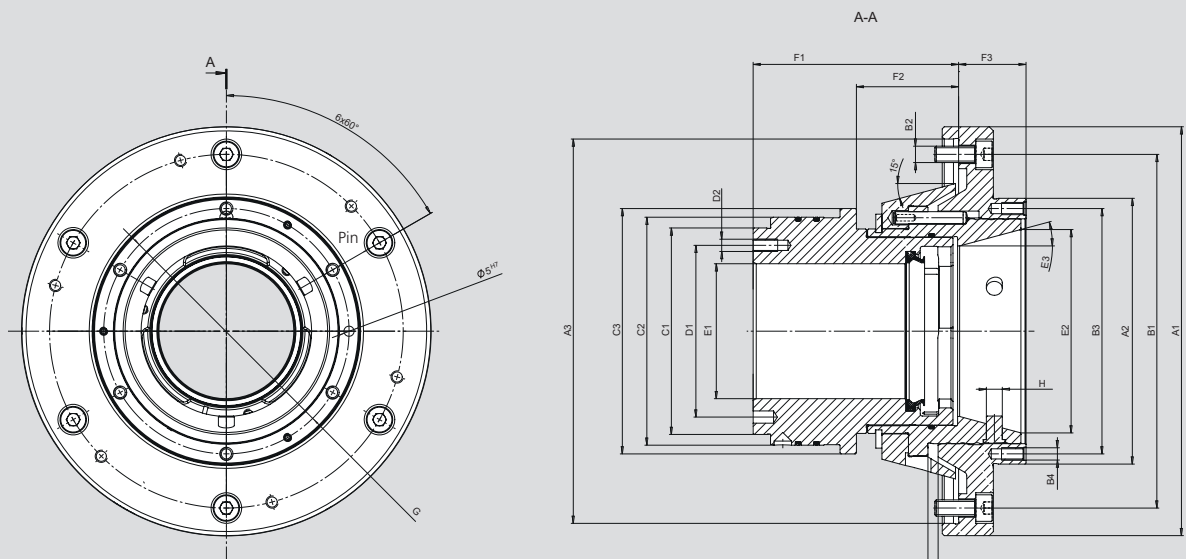
■ Suitable for COMOT-AZ



Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Type		RA-AZ 65/42	RA-AZ 100/65
Id-No.		9700440000	9700640000
A	mm	130	180
A2	mm	110	162
B	mm	112	144
B2	mm	3 x M8	3 x M8
C	mm	73	120
C2	mm	82 / 15 °	109,5 / 15 °
D	mm	55	80
D2	mm	3 x M5	3 x M6
E	mm	43	66
E2	mm	79	99,5
E3	mm	15°	15°
F	mm	47,4	54,5
F2	mm	16	17
F3	mm	23	38
G Air sensing	mm	95	115
G2	mm	50	75
H	3 x 120°	5,8	7,8

SMW-AUTOBLOK Type		RA-AZ 65/42	RA-AZ 100/65
Axial stroke	mm	6,3	7,8
Loading clearance in Ø*	mm	0,8	0,8
Reserve stroke in Ø*	mm	1	1
Max. Actuating force	kN	35	45
Max. Clamping force radial	kN	80	105
Max. Speed rpm	1/min	6000	5000
Weight	kg	2,8	7,3



Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Type		RA-NZ 100/65
Id-No.		9720644000
A	mm	200
A2	mm	130 ^{-0,02 -0,05}
A3	mm	188
B	mm	173
B2	mm	6 x M8
B3	mm	120
B4	mm	6 x M6
C	mm	101
C2	mm	111,5
C3	mm	120
D	mm	84
D2	mm	3 x M6
E	mm	66
E2	mm	99,5
E3 Air sensing	mm	15°
F	mm	100,5
F2	mm	50
F3	mm	33
G	mm	120
H	mm	7,8

SMW-AUTOBLOK Type		9720644000
Axial stroke	mm	5
Loading clearance in Ø*	mm	0,8
Reserve stroke in Ø*	mm	1
Max. Actuating force	kN	45
Max. Clamping force radial	kN	105
Max. Speed rpm	1/min	5000
Weight	kg	9,4

Notes

- For standard collets
- Manual actuated

Application/customer benefits

- Highest clamping forces and rigidity for best machining quality
- Maximum economy due to quick change of collets and fast mounting
- High flexibility due to the use of standard collets
- Ideal for 5-axis machining due to the compact design
- Sensitive adjustment of the clamping force

Technical features

- Manual actuated by fast clamping function (clamping wrench SW 12)
- Repeatability ≤ 0.01 mm
- Pull-down effect
- Workpiece stop optional
- Horizontal or vertical mounting
- Threads for mounting a front stop

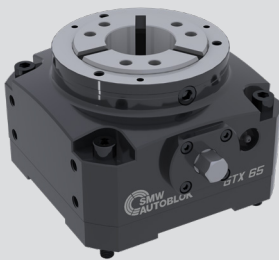
Standard equipment

Stationary chuck with clamping wrench



Application Examples

Stationary chuck GTX with standard collet for O.D. Clamping



Clamping with standard collet



Stationary chuck GTX with premium adapter PA for O.D. Clamping



Clamping with slotted high-precision collet



Stationary chuck GTX with extension mandrel EMX-F-CO „Connect“ for I.D. Clamping



Clamping with extension mandrel „Connect“



-

Technical drawing of a basic workstop. The drawing shows a cross-section of the workstop with various dimensions and labels. The dimensions are: $\phi E3$, $\phi H1$, $\phi H2$, $H3$, $\phi 25^{+0.021}_{-0.016}$, $\phi E2$, $\phi B4$, $\phi 16^{+0.017}_{-0.013}$ (labeled as $\phi 16$), and $\phi 16^{+0.017}_{-0.013}$ (labeled as $\phi 16$). The labels are: "Basic workstop" and "For the use of positioning key multislot".

SMW-AUTOBLOK 41

Collets

Ordering review

- Standard collets for COMOT collet chucks and GTX stationary clamping chucks
- Standard collets length 42 mm

Size 42

ROUND

with axial and radial grooves (Δ smooth, $\Delta\Delta$ radial grooves)*

$\emptyset$	4 Δ	5 Δ	6 Δ	7 Δ	8 $\Delta\Delta$	9 $\Delta\Delta$	10 $\Delta\Delta$	11	12	13	14	15	16
Id. No.	192173	192174	192175	192176	192177	192178	192179	192180	192181	192182	192183	192184	192185
$\emptyset$	17	18	19	20	21	22	23	24	25	26	27	28	29
Id. No.	192186	192187	192188	192189	192190	192191	192192	192193	192194	192195	192196	192197	192198
$\emptyset$	30	31	32	33	34	35	36	37	38	39	40	41	42
Id. No.	192199	192200	192201	192202	192203	192204	192205	192206	192207	192208	192209	192210	192211

Collets in 0,5 mm increments on request.

ROUND

with smooth clamping surface*

$\emptyset$	4	5	6	7	8	9	10	11	12	13	14	15	16
Id. No.	192173	192174	192175	192176	192135	192136	192137	192138	192139	192140	192141	192142	192143
$\emptyset$	17	18	19	20	21	22	23	24	25	26	27	28	29
Id. No.	193144	192807	193145	192808	193146	193147	193148	193149	193150	193151	193152	193153	193154
$\emptyset$	30	31	32	33	34	35	36	37	38	39	40	41	42
Id. No.	193155	193156	193083	193157	193158	193159	193160	193161	193162	193163	193164	193165	193219

Collets in 0,5 mm increments on request.

SQUARE**

$\square$	7 Δ	8 $\Delta\Delta$	9 $\Delta\Delta$	10 $\Delta\Delta$	11 $\Delta\Delta$	12 $\Delta\Delta$	13 $\Delta\Delta$	14 $\Delta\Delta$	15 $\Delta\Delta$	16 $\Delta\Delta$	17 $\Delta\Delta$	18 $\Delta\Delta$	19 $\Delta\Delta$
Id. No.	192212	192213	192214	192215	192216	192217	192218	192219	192220	192221	192222	192223	192224
$\square$	20 $\Delta\Delta$	21 $\Delta\Delta$	22 $\Delta\Delta$	23 $\Delta\Delta$	24 $\Delta\Delta$	25 $\Delta\Delta$	26 $\Delta\Delta$	27 $\Delta\Delta$	28 $\Delta\Delta$	29 $\Delta\Delta$	30 $\Delta\Delta$		
Id. No.	192225	192226	192227	192228	192229	192230	192231	192232	192233	192234	192235		

HEXAGONAL**

$\hexagon$	7 Δ	8 $\Delta\Delta$	9 $\Delta\Delta$	10 $\Delta\Delta$	11 $\Delta\Delta$	12 $\Delta\Delta$	13 $\Delta\Delta$	14 $\Delta\Delta$	15 $\Delta\Delta$	16 $\Delta\Delta$	17 $\Delta\Delta$	18 $\Delta\Delta$	19 $\Delta\Delta$
Id. No.	192236	192237	192238	192239	192240	192241	192242	192243	192244	192245	192246	192247	192248
$\hexagon$	20 $\Delta\Delta$	21 $\Delta\Delta$	22 $\Delta\Delta$	23 $\Delta\Delta$	24 $\Delta\Delta$	25 $\Delta\Delta$	26 $\Delta\Delta$	27 $\Delta\Delta$	28 $\Delta\Delta$	29 $\Delta\Delta$	30 $\Delta\Delta$	31 $\Delta\Delta$	32 $\Delta\Delta$
Id. No.	192249	192250	192251	192252	192253	192254	192255	192256	192257	192258	192259	192260	192261

ROUND

Soft steel collets (pre-bored)

$\emptyset$	5	15	30										
Id. No.	192262	192263	192264										

Boring ring for soft collets size 42

Id. No.	193399												
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* Concentricity similar DIN 6343.

** Concentricity has to be agreed.

Changing unit

	Size	Size 42
	Accessories	
	Manual	196842
	Pneumatic	192151

- Standard collets for COMOT collet chucks and GTX stationary clamping chucks
- Standard collets length 46 mm

Size 52

ROUND

with axial and radial grooves (△ smooth, △△ radial grooves)*

Ø	5△	6△	7△	8△△	9△△	10△△	11△△	12△△	13	14	15	16	17
Id. No.	9700360500	9700360600	9700360700	9700370800	9700370900	9700371000	9700371100	9700371200	9700371300	9700371400	9700371500	9700371600	9700371700
Ø	18	19	20	21	22	23	24	25	26	27	28	29	30
Id. No.	9700371800	9700371900	9700372000	9700372100	9700372200	9700372200	9700372300	9700372400	9700372500	9700372700	9700372800	9700372900	9700373000
Ø	31	32	33	34	35	36	37	38	39	40	41	42	43
Id. No.	9700373100	9700373200	9700373300	9700373400	9700373500	9700373600	9700373700	9700373800	9700373900	9700374000	9700374100	9700374200	9700374300
Ø	44	45	46	47	48	49	50	51	52				
Id. No.	9700374400	9700374500	9700374600	9700374700	9700374800	9700374900	9700375000	9700375100	9700375200				

Collets in 0,5 mm increments on request.

ROUND

with smooth clamping surface*

Ø	5	6	7	8	9	10	11	12	13	14	15	16	17
Id. No.	9700360500	9700360600	9700360700	9700360800	9700360900	9700361000	9700361100	9700361200	9700361300	9700361400	9700361500	9700361600	9700361700
Ø	18	19	20	21	22	23	24	25	26	27	28	29	30
Id. No.	9700361800	9700361900	9700362000	9700362100	9700362200	9700362300	9700362400	9700362500	9700362600	9700362700	9700362800	9700362900	9700363000
Ø	31	32	33	34	35	36	37	38	39	40	41	42	43
Id. No.	9700363100	9700363200	9700363300	9700363400	9700363500	9700363600	9700363700	9700363800	9700363900	9700364000	9700364100	9700364200	9700364300
Ø	44	45	46	47	48	49	50	51	52				
Id. No.	9700364400	9700364500	9700364600	9700364700	9700364800	9700364900	9700365000	9700365100	9700365200				

Collets in 0,5 mm increments on request.

ROUND

Soft steel collets (pre-bored)

Ø	8	15	30										
Id. No.	9700360008	9700360015	9700360030										

Boring ring for soft clamping collets size 52

Id. No.	9700360000												
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Changing unit

Accessories	Size	Size 52
	Manual	9700310010
	Pneumatic	9700310011

Collets

Ordering review

- Standard collets for COMOT collet chucks and GTX stationary clamping chucks
- Standard collets length 53 mm

Size 65

ROUND

with axial and radial grooves ($\triangle$ smooth, $\triangle\triangle$ radial grooves)*

$\emptyset$	5 $\triangle$	6 $\triangle$	7 $\triangle$	8 $\triangle\triangle$	9 $\triangle\triangle$	10 $\triangle\triangle$	11	12	13	14	15	16	17
Id. No.	192265	192266	192267	192268	192269	192270	192271	192272	192273	192274	192275	192276	192277
$\emptyset$	18	19	20	21	22	23	24	25	26	27	28	29	30
Id. No.	192278	192279	192280	192281	192282	192283	192284	192285	192286	192287	192288	192289	192290
$\emptyset$	31	32	33	34	35	36	37	38	39	40	41	42	43
Id. No.	192291	192292	192293	192294	192295	192296	192297	192298	192299	192300	192301	192302	192303
$\emptyset$	44	45	46	47	48	49	50	51	52	53	54	55	56
Id. No.	192304	192305	192306	192307	192308	192309	192310	192311	192312	192313	192314	192315	192316
$\emptyset$	57	58	59	60	61	62	63	64	65				
Id. No.	192317	192318	192319	192320	192321	192322	192323	192324	192325				

Collets in 0,5 mm increments on request.

ROUND

with smooth clamping surface*

$\emptyset$	5	6	7	8	9	10	11	12	13	14	15	16	17
Id. No.	192265	192266	192267	193172	193173	192682	193174	192787	193175	193176	193177	193169	193178
$\emptyset$	18	19	20	21	22	23	24	25	26	27	28	29	30
Id. No.	193179	193180	193181	193182	192683	193183	193170	193065	193184	193066	193068	193069	193070
$\emptyset$	31	32	33	34	35	36	37	38	39	40	41	42	43
Id. No.	193185	192684	193186	193187	193188	193189	193190	193191	193192	192685	193193	193194	193171
$\emptyset$	44	45	46	47	48	49	50	51	52	53	54	55	56
Id. No.	193196	193197	193198	193199	193200	193201	193202	193203	193204	193205	193206	193207	193208
$\emptyset$	57	58	59	60	61	62	63	64	65				
Id. No.	193195	193209	193210	193211	193212	193213	193214	193215	193216				

Collets in 0,5 mm increments on request.

SQUARE**

$\square$	8 $\triangle\triangle$	9 $\triangle\triangle$	10 $\triangle\triangle$	11 $\triangle\triangle$	12 $\triangle\triangle$	13 $\triangle\triangle$	14 $\triangle\triangle$	15 $\triangle\triangle$	16 $\triangle\triangle$	17 $\triangle\triangle$	18 $\triangle\triangle$	19 $\triangle\triangle$	20 $\triangle\triangle$
Id. No.	192326	192327	192328	192329	192330	192331	192332	192333	192334	192335	192336	192337	192338
$\square$	21 $\triangle\triangle$	22 $\triangle\triangle$	23 $\triangle\triangle$	24 $\triangle\triangle$	25 $\triangle\triangle$	26 $\triangle\triangle$	27 $\triangle\triangle$	28 $\triangle\triangle$	29 $\triangle\triangle$	30 $\triangle\triangle$	31 $\triangle\triangle$	32 $\triangle\triangle$	33 $\triangle\triangle$
Id. No.	192339	192340	192341	192342	192343	192344	192345	192346	192347	192348	192349	192350	192351
$\square$	34 $\triangle\triangle$	35 $\triangle\triangle$	36 $\triangle\triangle$	37 $\triangle\triangle$	38 $\triangle\triangle$	39 $\triangle\triangle$	40 $\triangle\triangle$	41 $\triangle\triangle$	42 $\triangle\triangle$	43 $\triangle\triangle$	44 $\triangle\triangle$	45 $\triangle\triangle$	46 $\triangle\triangle$
Id. No.	192352	192353	192354	192355	192356	192357	192358	192359	192360	192361	192362	192363	192364

HEXAGONAL**

$\hexagon$	10 $\triangle\triangle$	11 $\triangle\triangle$	12 $\triangle\triangle$	13 $\triangle\triangle$	14 $\triangle\triangle$	15 $\triangle\triangle$	16 $\triangle\triangle$	17 $\triangle\triangle$	18 $\triangle\triangle$	19 $\triangle\triangle$	20 $\triangle\triangle$	21 $\triangle\triangle$	22 $\triangle\triangle$
Id. No.	192365	192366	192367	192368	192369	192370	192371	192372	192373	192374	192375	192376	192377
$\hexagon$	23 $\triangle\triangle$	24 $\triangle\triangle$	25 $\triangle\triangle$	26 $\triangle\triangle$	27 $\triangle\triangle$	28 $\triangle\triangle$	29 $\triangle\triangle$	30 $\triangle\triangle$	31 $\triangle\triangle$	32 $\triangle\triangle$	33 $\triangle\triangle$	34 $\triangle\triangle$	35 $\triangle\triangle$
Id. No.	192378	192379	192380	192381	192382	192383	192384	192385	192386	192387	192388	192389	192390
$\hexagon$	36 $\triangle\triangle$	37 $\triangle\triangle$	38 $\triangle\triangle$	39 $\triangle\triangle$	40 $\triangle\triangle$	41 $\triangle\triangle$	42 $\triangle\triangle$	43 $\triangle\triangle$	44 $\triangle\triangle$	45 $\triangle\triangle$	46 $\triangle\triangle$	47 $\triangle\triangle$	48 $\triangle\triangle$
Id. No.	192391	192392	192393	192394	192395	192396	192397	192398	192399	192400	192401	192402	192403
$\hexagon$	49 $\triangle\triangle$	50 $\triangle\triangle$											
Id. No.	192404	192405											

ROUND

Soft steel collets (pre-bored)

$\emptyset$	8	20	40										
Id. No.	192406	192407	192408										

Boring ring for soft collets size 65

Id. No.	193400												
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* Concentricity similar DIN 6343.

** Concentricity has to be agreed.

Changing unit

	Size	Size 65
	Accessories	
	Manual	196844
	Pneumatic	192153

- Standard collets for COMOT collet chucks and GTX stationary clamping chucks
- Standard collets length 53 mm

Ordering review

Size 80

ROUND

with axial and radial grooves (△△ radial grooves)*

Ø	8 △△	9 △△	10 △△	11 △△	12 △△	13	14	15	16	17	18	19	20
Id. No.	9700570800	9700570900	9700571000	9700571100	9700571200	9700571300	9700571400	9700571500	9700571600	9700571700	9700571800	9700571900	9700572000
Ø	21	22	23	24	25	26	27	28	29	30	31	32	33
Id. No.	9700572100	9700572200	9700572300	9700572400	9700572500	9700572600	9700572700	9700572800	9700572900	9700573000	9700573100	9700573200	9700573300
Ø	34	35	36	37	38	39	40	41	42	43	44	45	46
Id. No.	9700573400	9700573500	9700573600	9700573700	9700573800	9700573900	9700574000	9700574100	9700574200	9700574300	9700574400	9700574500	9700574600
Ø	47	48	49	50	51	52	53	54	55	56	57	58	59
Id. No.	9700574700	9700574800	9700574900	9700575000	9700575100	9700575200	9700575300	9700575400	9700575500	9700575600	9700575700	9700575800	9700575900
Ø	60	61	62	63	64	65	66	67	68	69	70	71	72
Id. No.	9700576000	9700576100	9700576200	9700576300	9700576400	9700576500	9700576600	9700576700	9700576800	9700576900	9700577000	9700577100	9700577200
Ø	73	74	75	76	77	78	79	80					
Id. No.	9700577300	9700577400	9700577500	9700577600	9700577700	9700577800	9700577900	9700578000					

ROUND

with smooth clamping surface*

Ø	8	9	10	11	12	13	14	15	16	17	18	19	20
Id. No.	9700560800	9700560900	9700561000	9700561100	9700561200	9700561300	9700561400	9700561500	9700561600	9700561700	9700561800	9700561900	9700562000
Ø	21	22	23	24	25	26	27	28	29	30	31	32	33
Id. No.	9700562100	9700562200	9700562300	9700562400	9700562500	9700562600	9700562700	9700562800	9700562900	9700563000	9700563100	9700563200	9700563300
Ø	34	35	36	37	38	39	40	41	42	43	44	45	46
Id. No.	9700563400	9700563500	9700563600	9700563700	9700563800	9700563900	9700564000	9700564100	9700564200	9700564300	9700564400	9700564500	9700564600
Ø	47	48	49	50	51	52	53	54	55	56	57	58	59
Id. No.	9700564700	9700564800	9700564900	9700565000	9700565100	9700565200	9700565300	9700565400	9700565500	9700565600	9700565700	9700565800	9700565900
Ø	60	61	62	63	64	65	66	67	68	69	70	71	72
Id. No.	9700566000	9700566100	9700566200	9700566300	9700566400	9700566500	9700566600	9700566700	9700566800	9700566900	9700567000	9700567100	9700567200
Ø	73	74	75	76	77	78	79	80					
Id. No.	9700567300	9700567400	9700567500	9700567600	9700567700	9700567800	9700567900	9700568000					

ROUND

Soft steel collets (pre-bored)

Ø	8	20	40	60					
Id. No.	9700560008	9700560020	9700560040	9700560060					

Boring ring for soft collets size 80

Id. No.	9700560000								
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Changing unit

	Accessories	Size	Size 80
	Manuell		9700510010
	Pneumatic		9700510011

Collets

Ordering review

- Standard collets for COMOT collet chucks and GTX stationary clamping blocks
- Standard collets length 59 mm

Size 100

ROUND

with axial and radial grooves*

Ø	42	43	44	45	46	47	48	49	50	51	52	53	54
Id. No.	195081	195082	195083	195084	195085	195086	195087	195088	195089	195090	195091	195092	195093
Ø	55	56	57	58	59	60	61	62	63	64	65	66	67
Id. No.	195094	195095	195096	195097	195098	195099	195100	195101	195102	195103	195104	195105	195106
Ø	68	69	70	71	72	73	74	75	76	77	78	79	80
Id. No.	195107	195108	195109	195110	195111	195112	195113	195114	195115	195116	195117	195118	195119
Ø	81	82	83	84	85	86	87	88	89	90	91	92	93
Id. No.	195120	195121	195122	195123	195124	195125	195126	195127	195128	195129	195130	195131	195132
Ø	94	95	96	97	98	99	100						
Id. No.	195133	195134	195135	195136	195137	195138	194742						

ROUND

with smooth clamping surface*

Ø	42	43	44	45	46	47	48	49	50	51	52	53	54
Id. No.	195141	195142	195143	195144	195145	195146	195147	195148	195149	195150	195151	195152	195153
Ø	55	56	57	58	59	60	61	62	63	64	65	66	67
Id. No.	195154	195155	195156	195157	195158	195159	195160	195161	195162	195163	195164	195165	195166
Ø	68	69	70	71	72	73	74	75	76	77	78	79	80
Id. No.	195167	195168	195169	195170	195171	195172	195173	195174	195175	195176	195177	195178	195179
Ø	81	82	83	84	85	86	87	88	89	90	91	92	93
Id. No.	195180	195181	195182	195183	195184	195185	195186	195187	195188	194743	195189	195190	195191
Ø	94	95	96	97	98	99	100						
Id. No.	195192	195193	195194	195195	195196	195197	195198						

* Concentricity similar DIN 6343.

ROUND

Soft steel collets (pre-bored)

Ø	45	65	90						
Id. No.	195930	203541	203541						

Boring ring for soft collets size 100

Id. No.	195924								
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Changing unit

	Size	Size 80
	Accessories	
	Pneumatic	194744

- Lubrication kit for oil lubrication
- Lubricating oil RENOLIN CLP 320 SUPER
- Piston press including mouthpiece

**Important for maintenance and safe operation,
to be ordered with the chuck**

Lubrication kit for oil lubrication



SMW-AUTOBLOK Type	Id. No.
Oil lubrication grease set • 1x piston press • 1x RENOLIN lubricating oil	213568
Lubricating oil RENOLIN CLP 320 SUPER – 1 liter	202532
Piston press including mouthpiece for funnel grease nipples according to DIN 3405	210040
Mouthpiece suitable for piston press for cone grease nipples according to DIN 71412	213901

Notes

Notes



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