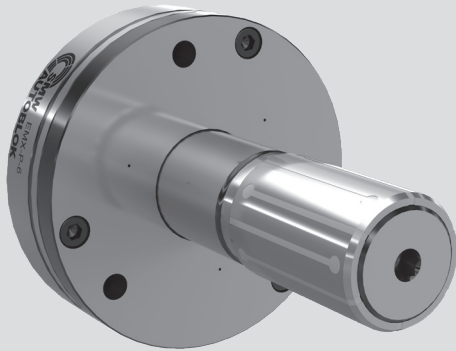


EMX-P

Expanding mandrel
Power operated

Expanding mandrels Ø 14.7 - 131.7 mm

- Size 1 - 11
- Highest concentricity
- Air sensing



Application/customer benefits

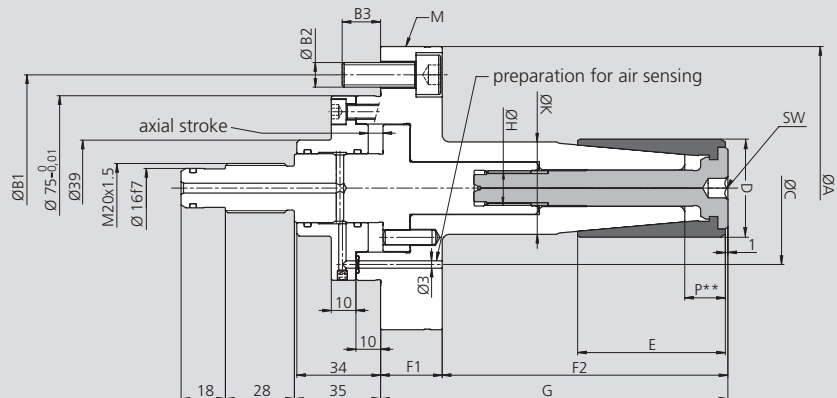
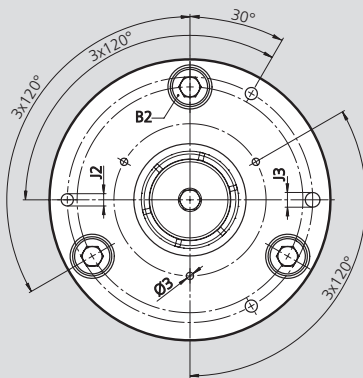
- For turning, milling, grinding and gear cutting operations
- High accuracy and torque transmission due to fixed arbor
- Axial pull down by axial movement of the clamping sleeve during actuation
- Quick set-up

Technical features

- Large expansibility 1 mm in diameter
- Power operated / 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 Id. No.	EMX-P-1 9310000	EMX-P-2 9320000	EMX-P-3 9330000	EMX-P-4 9340000	EMX-P-5 9350000	EMX-P-6 9360000	EMX-P-7 9370000	EMX-P-8 9380000	EMX-P-9 9390000	EMX-P-10 9300000	EMX-P-11 9310010
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 length	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	76	86	97	106	116	116	152	158	192	218	245
G	101	111	122	131	141	141	177	183	217	243	270
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	8	8	8	8	8
K	f8	22	27	29	32	35	38	42	50	60	73
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	26
WS (hex)	WS4	WS4	WS6	WS8	WS8	WS8	WS8	WS10	WS10	WS12	WS12

Technical data

SMW-AUTOBLOK Type Id. No.	EMX-P-1 9310000	EMX-P-2 9320000	EMX-P-3 9330000	EMX-P-4 9340000	EMX-P-5 9350000	EMX-P-6 9360000	EMX-P-7 9370000	EMX-P-8 9380000	EMX-P-9 9390000	EMX-P-10 9300000	EMX-P-11 9310010
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	15	35	75	100	120	150	200	250	275	320	500
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 nominal dimension.

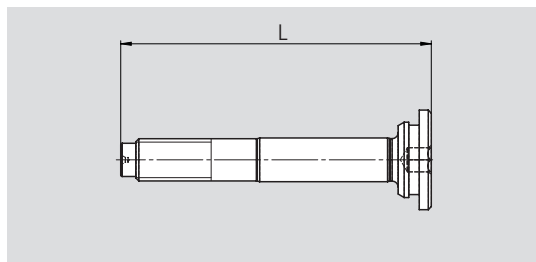
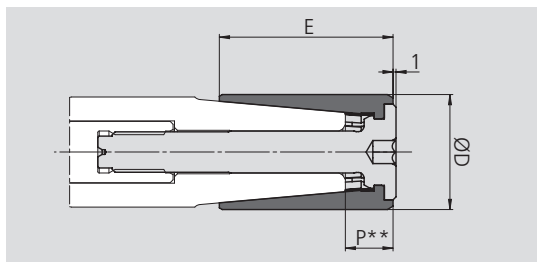
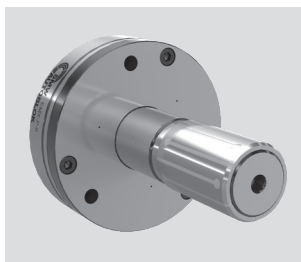
** Clamping on area P only is not allowed.

Expanding mandrels Ø 14.7 - 131.7 mm

EMX-P

Expanding mandrel
Power operated

■ Ordering review



For 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	9310000	14.7-19.7	14.7	35	1	12.7	9310147	9312000	76,5
			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	9320000	19.7-24.7	19.7	40	1	14.7	9320197	9322000	81
			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	9330000	24.7-29.7	24.7	46	1	14.7	9330247	9332000	87,5
			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	9340000	29.7-34.7	29.7	50	1	15.2	9340297	9342000	93
			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	9350000	34.7-39.7	34.7	60	1	15.7	9350347	9352000	103
			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	9360000	39.7-44.7	39.7	60	1	16.2	9360397	9362000	103
			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	9370000	44.7-54.7	44.7	80	1	18.2	9370447	9372000	117
			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	9380000	54.7-64.7	54.7	90	1	20.2	9380547	9382000	127
			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		
EMX-P-9	9390000	64.7-81.7	64.7	100	1	20.7	9390647	9392000	137
			65.7	100	1	20.7	9390657		
			66.7	100	1	20.7	9390667		
			67.7	100	1	20.7	9390677		
			68.7	100	1	20.7	9390687		
			69.7	100	1	20.7	9390697		
			70.7	100	1	20.7	9390707		
			71.7	100	1	20.7	9390717		
			72.7	100	1	20.7	9390727		
			73.7	100	1	20.7	9390737		
			74.7	100	1	20.7	9390747		
			75.7	100	1	20.7	9390757		
			76.7	100	1	20.7	9390767		
			77.7	100	1	20.7	9390777		
			78.7	100	1	20.7	9390787		
			79.7	100	1	20.7	9390797		
			80.7	100	1	20.7	9390807		

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

** Clamping on area P only is not allowed.

EMX-P

Expanding mandrel
Manual or power operated

Expanding mandrels Ø 14.7 - 131.7 mm

■ Ordering review

basic mandrel							Clamping sleeve* with actuating screw	actuation screw	
type	Id. No.	clamping range	ØD	E	expansibility	P**	Id.-No.	Id. No.	L
EMX-P-10	9300000	81.7-101.7	81.7	122	1	21.7	9300817	9302000	165
			82.7	122	1	21.7	9300827		
			83.7	122	1	21.7	9300837		
			84.7	122	1	21.7	9300847		
			85.7	122	1	21.7	9300857		
			86.7	122	1	21.7	9300867		
			87.7	122	1	21.7	9300877		
			88.7	122	1	21.7	9300887		
			89.7	122	1	21.7	9300897		
			90.7	122	1	21.7	9300907		
			91.7	122	1	21.7	9300917		
			92.7	122	1	21.7	9300927		
			93.7	122	1	21.7	9300937		
			94.7	122	1	21.7	9300947		
			95.7	122	1	21.7	9300957		
			96.7	122	1	21.7	9300967		
			97.7	122	1	21.7	9300977		
			98.7	122	1	21.7	9300987		
			99.7	122	1	21.7	9300997		
			100.7	122	1	21.7	9301007		
EMX-P-11	9310010	101.7-131.7	101.7	140	1	26.2	9311017	9312010	183
			102.7	140	1	26.2	9311027		
			103.7	140	1	26.2	9311037		
			104.7	140	1	26.2	9311047		
			105.7	140	1	26.2	9311057		
			106.7	140	1	26.2	9311067		
			107.7	140	1	26.2	9311077		
			108.7	140	1	26.2	9311087		
			109.7	140	1	26.2	9311097		
			110.7	140	1	26.2	9311107		
			111.7	140	1	26.2	9311117		
			112.7	140	1	26.2	9311127		
			113.7	140	1	26.2	9311137		
			114.7	140	1	26.2	9311147		
			115.7	140	1	26.2	9311157		
			116.7	140	1	26.2	9311167		
			117.7	140	1	26.2	9311177		
			118.7	140	1	26.2	9311187		
			119.7	140	1	26.2	9311197		
			120.7	140	1	26.2	9311207		
			121.7	140	1	26.2	9311217		
			122.7	140	1	26.2	9311227		
			123.7	140	1	26.2	9311237		
			124.7	140	1	26.2	9311247		
			125.7	140	1	26.2	9311257		
			126.7	140	1	26.2	9311267		
			127.7	140	1	26.2	9311277		
			128.7	140	1	26.2	9311287		
			129.7	140	1	26.2	9311297		
			130.7	140	1	26.2	9311307		

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

** Clamping on area P only is not allowed.