

M2-PB

Multiple fixture
with 2 chucks

Multiple chucks on fixture, pneumatic Ø 130 - 315 mm

- 2 or 3 jaws (PB-D / PB-M)
- 3 jaws (PB-C)



Application/customer benefits

- For milling machines / machining centers to clamp and machine multiple pieces

M2-PB: Multiple fixture with 2 chucks type PB-D, PB-C or PB-M

Technical features

- The basic model needs separate circuits to operate the chucks singularly
1st option: SAB safety unit with non-return valve for every chuck.
2nd option: single non-return valve to operate all chucks simultaneously, with coupling unit to repressurize the fixtures after the storage of the pallets.
3rd option: every chuck can be equipped with a spring loaded clamping unit (internal or external clamping), to hold the workpieces during the pallet transfer.

Standard equipment

Multiple chucks on fixture
1 set of soft blank top jaws and
1 set T-nuts with bolts
(PB-C excluded)

Ordering example

Multiple chucks on fixture M2-PBC 250
(3 jaws)

Technical data

SMW-AUTOBLOK Type		M2-PB 130	M2-PB 165	M2-PB 210	M2-PB 250	M2-PB 315
Chucks radial jaw stroke	mm	3.2	3.6	4.4	5	6.3
Chucks radial jaw stroke PBL-D2 (2 jaws)*	mm	6	6.8	8.4	9.7	12
Actuating cylinder piston area	cm²	82	143	236	358	548
Max. operating pressure	bar	7	7	7	7	7
Chucks gripping force at 6 bar	kN	14	24	42	64	98
Chucks gripping force at 6 bar PBL-D2 (2 jaws)*	kN	9	16	26	39	60
Weight (without top jaws)	kg	29.5	49	83	121	172
Id. No. M2-PB-D 3 jaws		77272513	77272516	77272521	77272525	77272531
Id. No. M2-PB-C 3 jaws		-	77277916	77277921	77277925	77277931
Id. No. M2-PBL-D 2 jaws		77272713	77272716	77272721	77272725	77272731

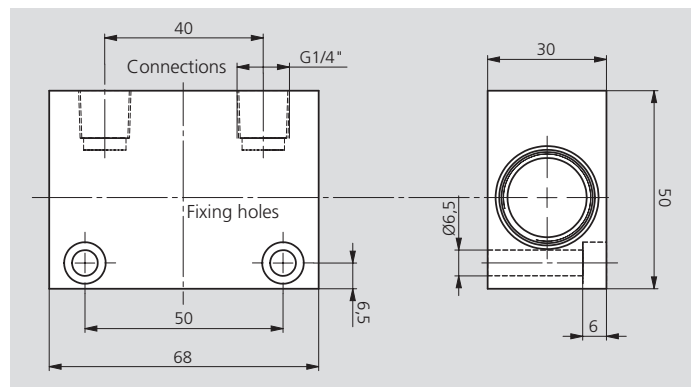
* The PBL-D 2-jaw fixture is available with serrated master jaws (inch or metric) and long stroke only.

Option for the M2-PB fixture

Safety unit that maintains a constant pressure inside the cylinder which maintains a steady clamping force even in case of a drop or lack of line pressure.

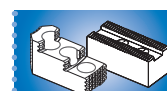
SAB

Safety unit with double non-return valve
Id. No. 27581620

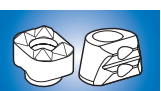


JAWS-CATALOG

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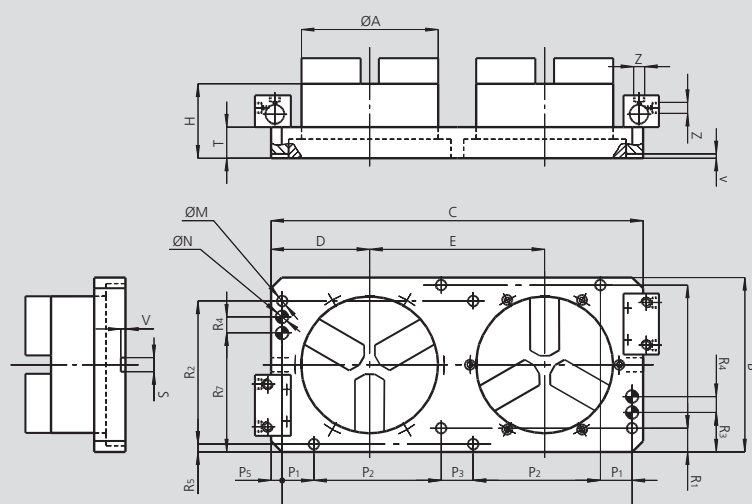
SMW-AUTOBLOK
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Subject to technical changes.
For more detailed information please ask our customer service.

M2-PB dimensions

SMW-AUTOBLOK Type			M2-PB 130	M2-PB 165	M2-PB 210	M2-PB 250	M2-PB 315
Chuck diameter	A	mm	135	170	215	260	315
	B	mm	198	224	274	324	374
	C	mm	400	460	585	660	780
	D	mm	107.5	131	155	175	205
	E	mm	185	223	275	310	370
	H	mm	89	100	117	127	141
Fixing holes diameter	M	mm	17	17	17	17	17
Reference pin holes	N H8	mm	20	20	20	20	20
	P1	mm	-	50	50	50	50
	P2	mm	150	150	200	250	300
	P3	mm	50	50	50	-	-
	P5	mm	25	17.5	17.5	30	40
	P6	mm	350	460	550	600	700
	R1	mm	24	37	37	37	37
	R2	mm	150	175	225	275	325
	R3	mm	24	62	62	62	62
	R4	mm	-	25	25	25	25
	R5	mm	24	12	12	12	12
	R7	mm	174	137	187	237	287
	S	mm	14	18	18	18	18
	T	mm	39	44	49	54	54
	V	mm	6	6	6	6	6
Pneumatic connections	Z	inch	R1/4"	R1/4"	R1/4"	R1/4"	R1/4"