M2-PB

Multiple fixture with 2 chucks

M4-PB

Multiple fixture with 4 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 in one setup

M2-PB: Multiple fixture with 2 chucks type PB-D, PB-C or PB-M
M4-PB: Multiple fixture with 4 chucks type PB-D, PB-C or PB-M

Technical features (more features on chucks see page 294)

- 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 chuck on fixture
1 set of soft blank top jaws per chuck (PB-C excluded)
Grease gun

Ordering example

Multiple chuck on fixture
M2-PBC 250 (3 jaws)
or
Multiple chuck on fixture
M4-PBD 165 (2 jaws)

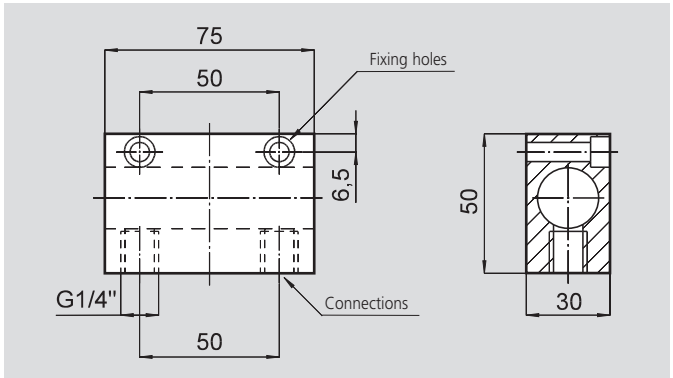
Technical data

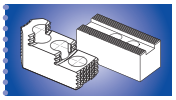
SMW-AUTOBLOK Type		M2-PB 130 M4-PB 130	M2-PB 165 M4-PB 165	M2-PB 210 M4-PB 210	M2-PB 250 M4-PB 250	M2-PB 315 M4-PB 315
Chucks radial jaw stroke	mm	3.2	3.6	4.4	5	6.3
Chucks radial jaw stroke PBL-D2 (2 jaws)*	mm	6	6.8	8.4	9.7	12
Actuating cylinder piston area	cm^2	82	143	236	358	548
Max. operating pressure	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
M2-PB. weight (without top jaws)	kg	29.5	49	83	121	172

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

Option for the M2-PB and M4-PB fixtures
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

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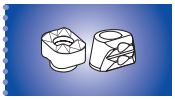
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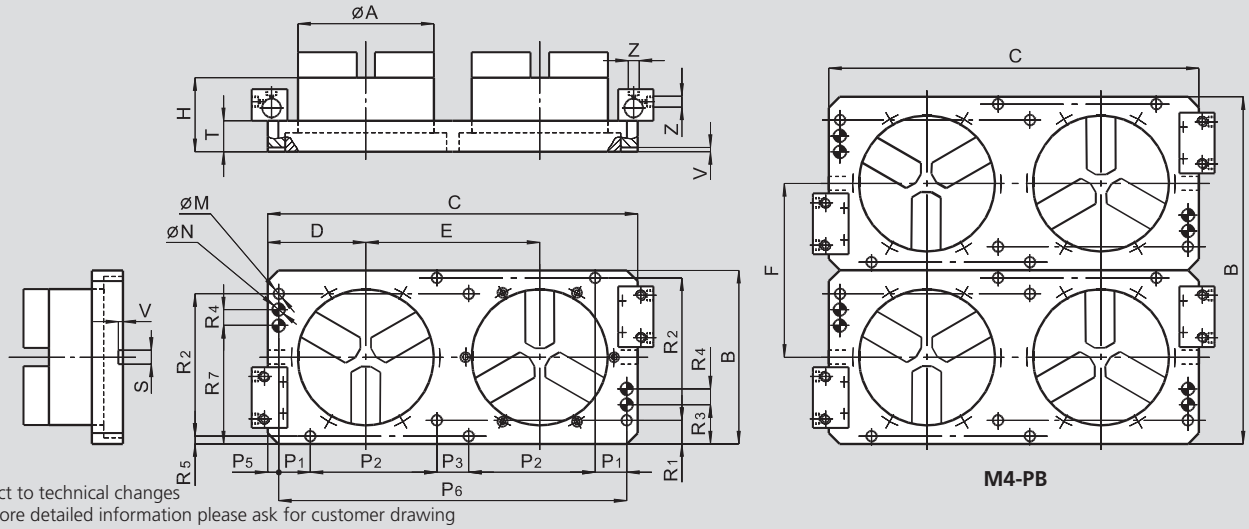
Multiple chucks on fixture, pneumatic
Ø 130 - 315 mm

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

M2-PB Multiple fixture with 2 chucks

M4-PB Multiple fixture with 4 chucks



M4-PB

Subject to technical changes
For more detailed information please ask for customer drawing

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"

M4-PB dimensions

SMW-AUTOBLOK Type			M4-PB 130	M4-PB 165	M4-PB 210	M4-PB 250	M4-PB 315
Chuck diameter	**A**	mm	135	170	215	260	315
	B	mm	398	449	549	649	749
	C	mm	400	460	585	660	780
	D	mm	107.5	131	155	175	205
	E	mm	185	223	275	310	370
	F	mm	200	225	275	325	375
	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"