

2PXM

2 jaws self-centering grippers Size 125-160-200

ALUMINIUM

Pneumatics - Protected



Technical features

- Aluminium body to contain the gripper weight
- Functional parts heat-treated for high precision and long life
- Master jaws with calibrated bushings
- Protection class IP64
- Highest rigidity and Repeatability: 0,02 mm
- Prepared for Air purge

OPTIONAL

- Analogic stroke control sensor ON/OFF or continuous
- Magnetic stroke control sensor ON/OFF or continuous

Applications/Customer benefits

- Compact and light design
- OD and/or ID clamping
- Side or rear feeding
- Interchangeable with most existing universal grippers

Standard equipment

Grippers without top jaws and without sensors.
All bolts for the double mounting, all centering bushings and all interface OR included.

SMW-Autoblok TYPE	Id. No.	Clamping force (daN) at 6 bar	Spring force min. (daN)	U (mm) jaw stroke	Air volume (cm³)	Pressure (bar) min./max.	Opening/ Closing time (s) at 6 bar	Weight (Kg)	Workpiece weight recommended (Kg)	e (mm) min./max.	R1 (mm) min./max.	R2 (mm) min./max.
2PXM-N 125	77901864	280	-----	6	79	2/8	0,1/0,1	1,6	14,0	30,5/36,5	71,5/77,5	23,5/29,5
2PXM-NSE 125	77902064	390	110	6	151	4/6,5	0,12/0,08	2	14,0	30,5/36,5	71,5/77,5	23,5/29,5
2PXM-NSI 125	77901164	407	110	6	157	4/6,5	0,08/0,12	2	14,0	30,5/36,5	71,5/77,5	23,5/29,5
2PXM-L 125	77901964	132	-----	13	79	2/8	0,1/0,1	1,6	7,0	30,5/43,5	64,5/77,5	23,5/36,5
2PXM-LSE 125	77902164	184	52	13	151	4/6,5	0,12/0,08	2	7,0	30,5/43,5	64,5/77,5	23,5/36,5
2PXM-LSI 125	77901264	192	52	13	157	4/6,5	0,08/0,12	2	7,0	30,5/43,5	64,5/77,5	23,5/36,5
2PXM-N 160	77901868	456	-----	8	161	2/8	0,14/0,14	2,9	23,0	38,5/46,5	90/98	29,5/37,5
2PXM-NSE 160	77902068	651	195	8	318	4/6,5	0,22/0,11	3,7	23,0	38,5/46,5	90/98	29,5/37,5
2PXM-NSI 160	77901168	685	195	8	330,5	4/6,5	0,11/0,22	3,7	23,0	38,5/46,5	90/98	29,5/37,5
2PXM-L 160	77901968	215	-----	16	161	2/8	0,14/0,14	2,9	11,0	38,5/54,5	82/98	29,5/45,5
2PXM-LSE 160	77902168	307	92	16	318	4/6,5	0,22/0,11	3,7	11,0	38,5/54,5	82/98	29,5/45,5
2PXM-LSI 160	77901268	324	92	16	330,5	4/6,5	0,11/0,22	3,7	11,0	38,5/54,5	82/98	29,5/45,5
2PXM-N 200	77901872	556	-----	14	373	2/8	0,3/0,3	5,8	28,0	38/52	105/119	28,5/42,5
2PXM-NSE 200	77902072	756	200	14	733	4/6,5	0,5/0,3	7,3	28,0	38/52	105/119	28,5/42,5
2PXM-NSI 200	77901172	790	200	14	758	4/6,5	0,3/0,5	7,3	28,0	38/52	105/119	28,5/42,5
2PXM-L 200	77901972	370	-----	25	373	2/8	0,3/0,3	5,8	18,5	38/63	94/119	28,5/53,5
2PXM-LSE 200	77902172	502	132	25	733	4/6,5	0,5/0,3	7,3	18,5	38/63	94/119	28,5/53,5
2PXM-LSI 200	77901272	526	132	25	758	4/6,5	0,3/0,5	7,3	18,5	38/63	94/119	28,5/53,5

Note: 2PXM-N: Normal stroke 2PXM-L: Long stroke 2PXM-NSE: Normal stroke OD 2PXM-NSI: Normal stroke ID
2PXM-LSE: Long stroke OD 2PXM-LSI: Long stroke ID

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2PXM

■ 2PXM-N ■ 2PXM-NSE ■ 2PXM-L ■ 2PXM-LSE

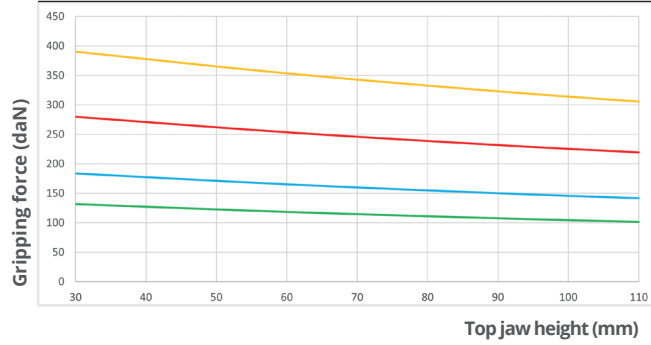
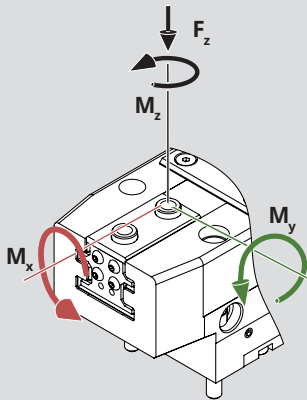


DIAGRAM DATA

GRIPPING FORCE CALCULATED AT	6 bar
MAX. RECOMMENDED TOP JAWS HEIGHT	110 mm
MAX. TOP JAWS WEIGHT	2,3 kg
I.D. CLAMPING (of the gripping force shown in the diagram)	+5%
USE CONNECTING SCREWS CLASS	12.9

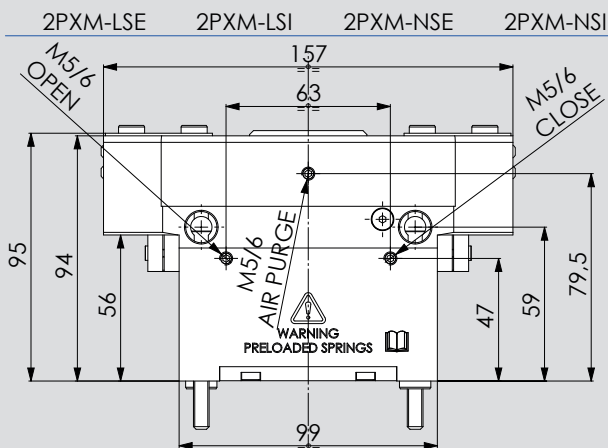
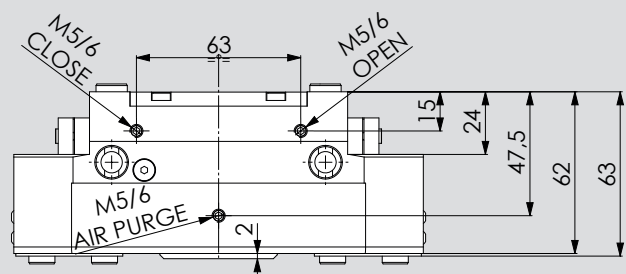
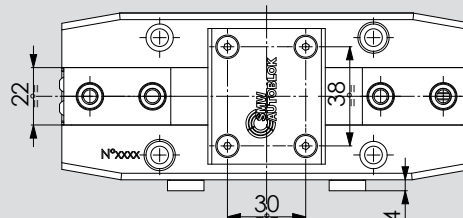
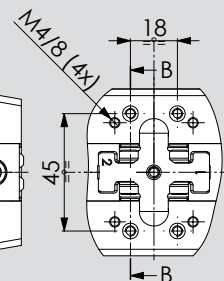
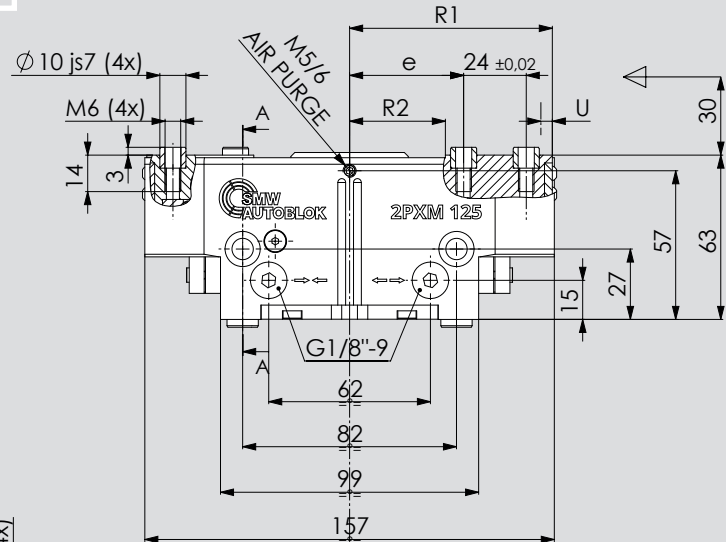
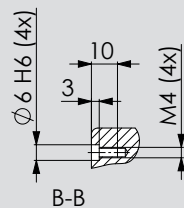
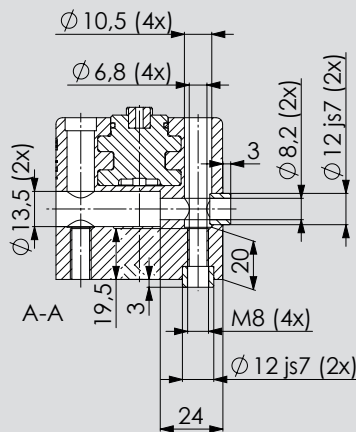
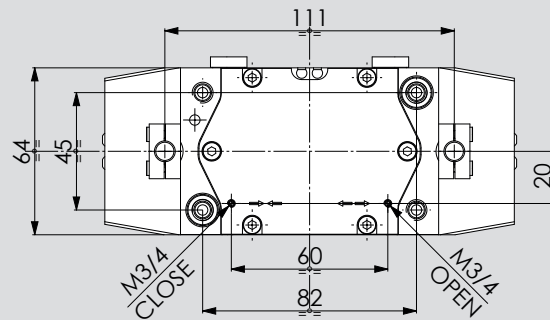


- M_x max. 125 Nm*
- M_y max. 140 Nm*
- M_z max. 110 Nm*
- F_z max. 3350 N*

*THE MOMENTS OF INERTIA INDICATED REFER TO ONE MASTER JAWS AND CAN BE OCCUR SIMULTANEOUSLY. THE M_y MOMENT CAN BE ADDED TO THE GRIPPING FORCE MOMENT.



max allowed temperature using proximities is 60°C



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2PXM

■ 2PXM-N ■ 2PXM-NSE ■ 2PXM-L ■ 2PXM-LSE

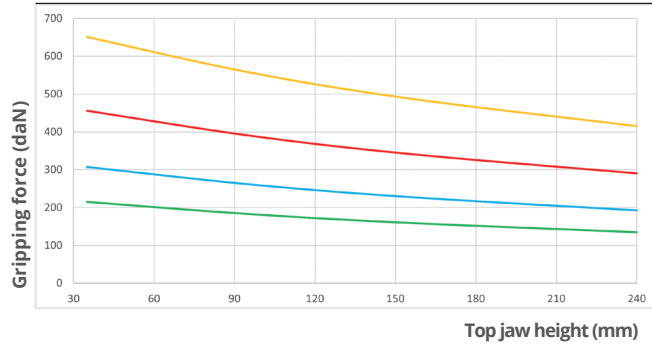
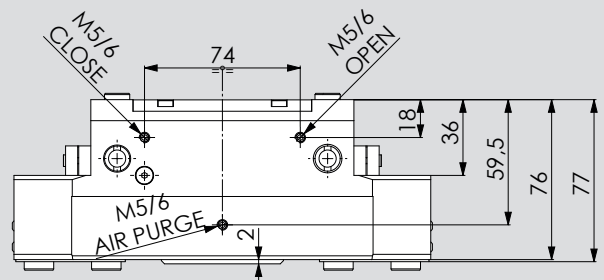
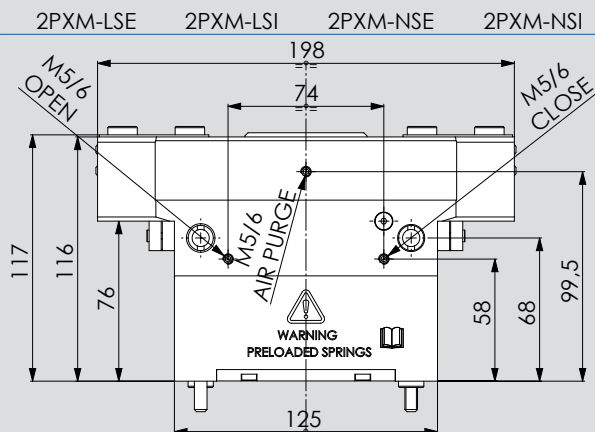
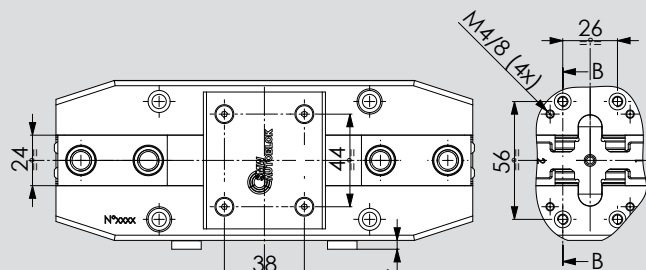
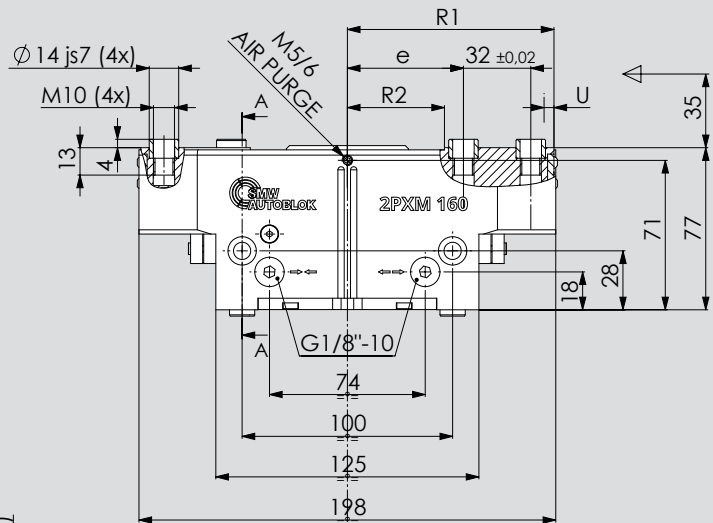
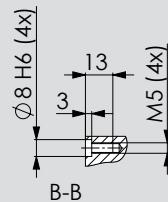
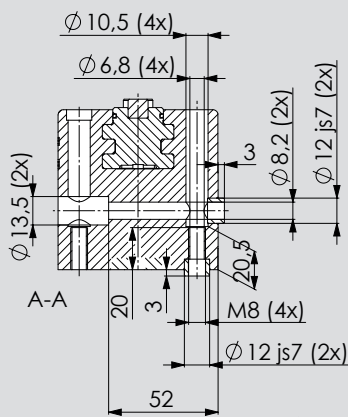
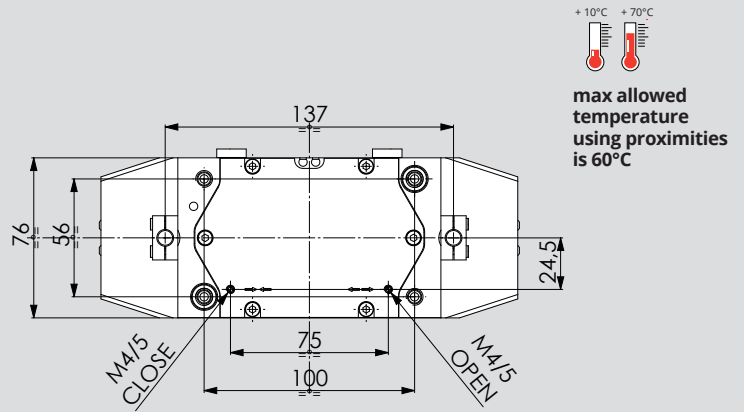
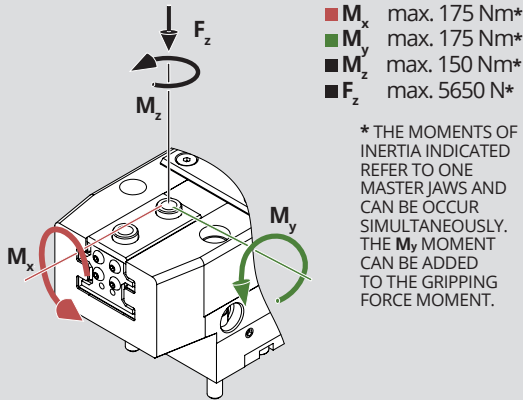


DIAGRAM DATA

GRIPPING FORCE CALCULATED AT	6 bar
MAX. RECOMMENDED TOP JAWS HEIGHT	240 mm
MAX. TOP JAWS WEIGHT	3,7 kg
I.D. CLAMPING (of the gripping force shown in the diagram)	+5%
USE CONNECTING SCREWS CLASS	12.9



200

2PXM

■ 2PXM-N ■ 2PXM-NSE ■ 2PXM-L ■ 2PXM-LSE

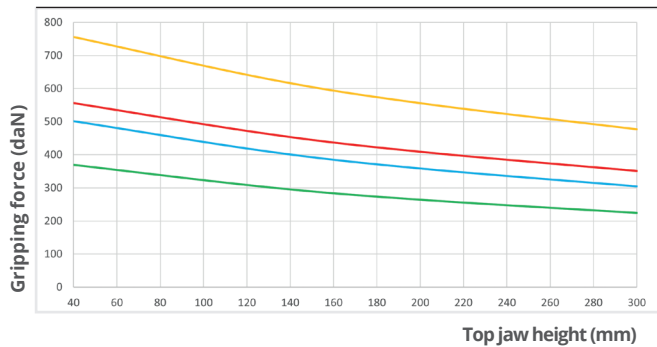
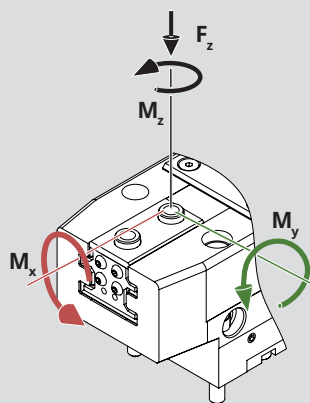


DIAGRAM DATA

GRIPPING FORCE CALCULATED AT	6 bar
MAX. RECOMMENDED TOP JAWS HEIGHT	300 mm
MAX. TOP JAWS WEIGHT	6,7 kg
I.D. CLAMPING (of the gripping force shown in the diagram)	+5%
USE CONNECTING SCREWS CLASS	12.9



- M_x max. 205 Nm*
- M_y max. 195 Nm*
- M_z max. 180 Nm*
- F_z max. 7200 N*

*THE MOMENTS OF INERTIA INDICATED REFER TO ONE MASTER JAWS AND CAN BE OCCUR SIMULTANEOUSLY. THE M_y MOMENT CAN BE ADDED TO THE GRIPPING FORCE MOMENT.

