



Application/customer benefits

- Compact, lightweight design and high gripping force thanks to optimized oval piston geometry
- Gripping force retention (LSI/LSE, NSE/NSI)
- ID and OD clamping
- Side or rear feeding
- Compatible with commercially available grippers

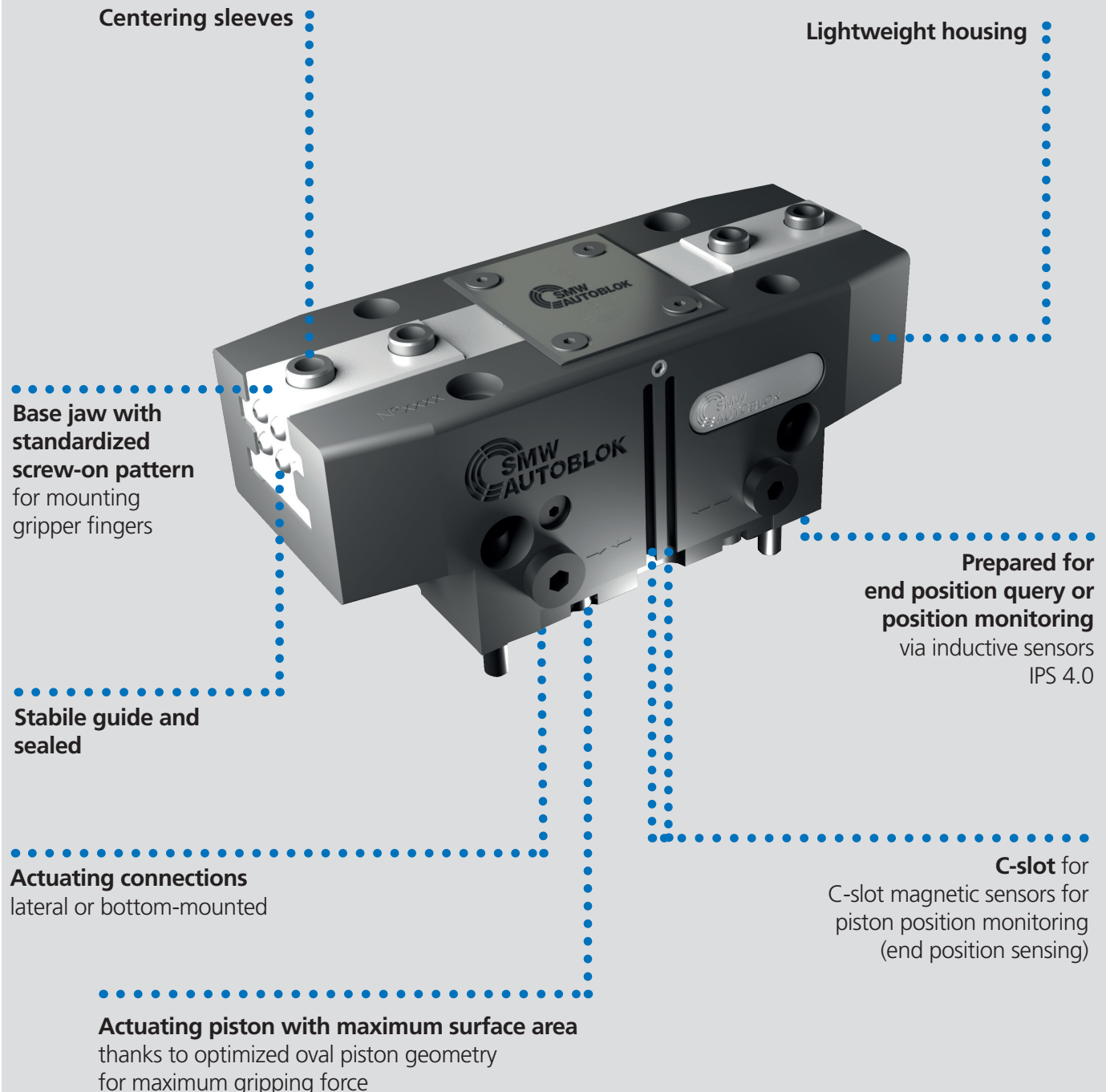
Technical features

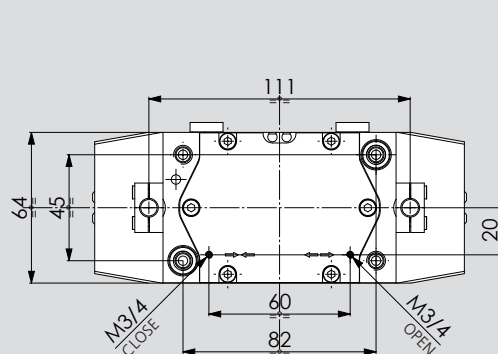
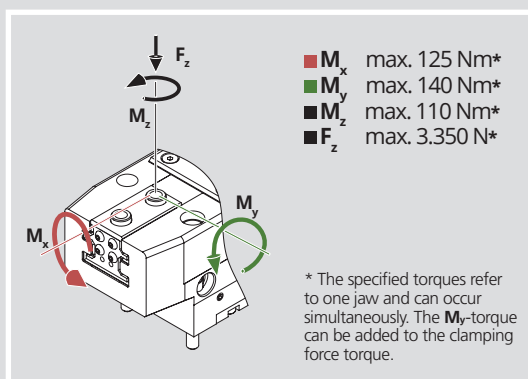
- Aluminum housing
- Protection class: IP64
- Functional parts heat-treated for high precision and long life
- Highest rigidity and repeatability: 0,02 mm
- Prepared for Air purge
- Optional: Sensor package for gripping position / end position monitoring (IPS 4.0)

Standard equipment

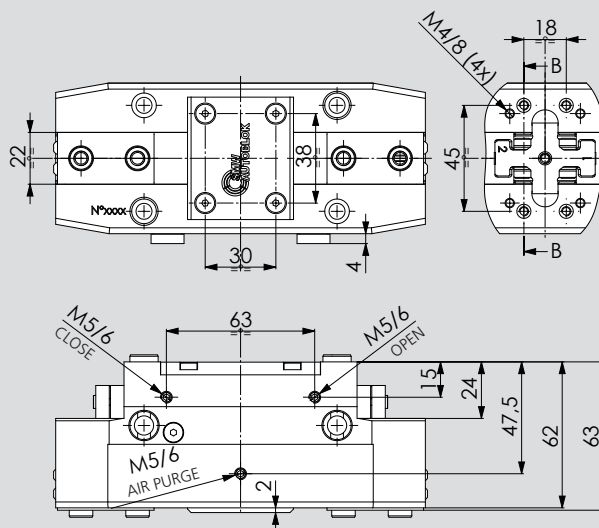
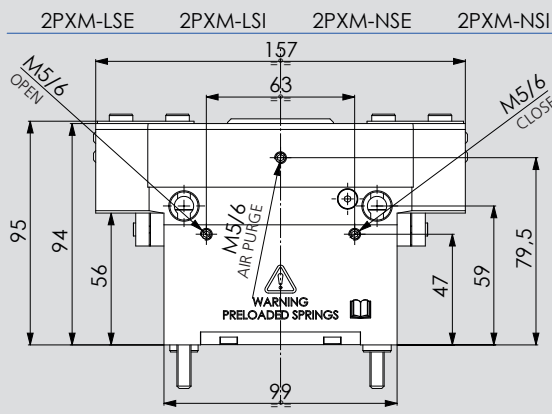
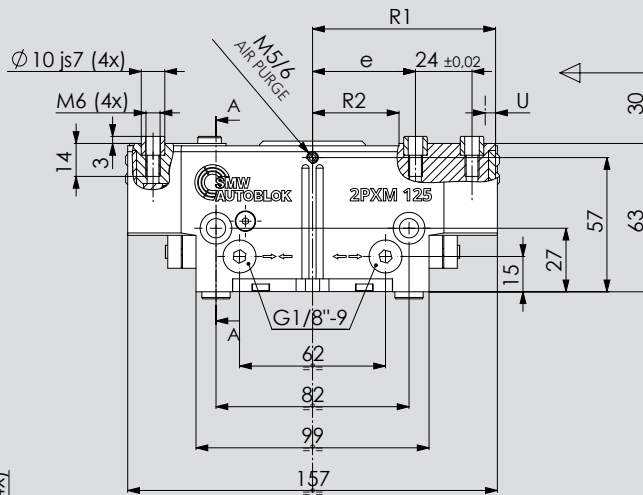
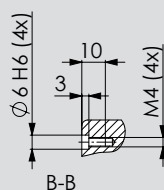
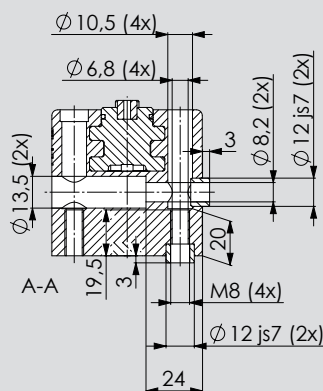
Gripper with centering sleeves and mounting bolts (without gripper fingers and sensors)

2PXM





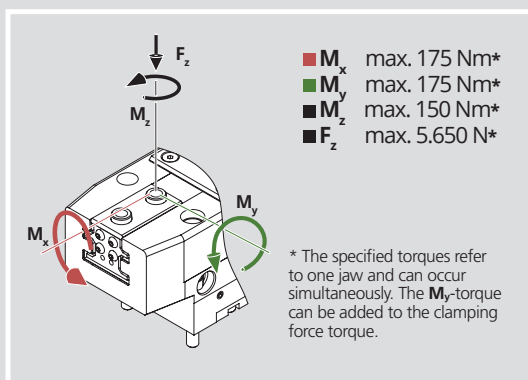
Maximal zulässige Temperatur bei Verwendung von Proximityschalter
 maximal allowed temperature using proximities is 60°C
 +10°C +70°C



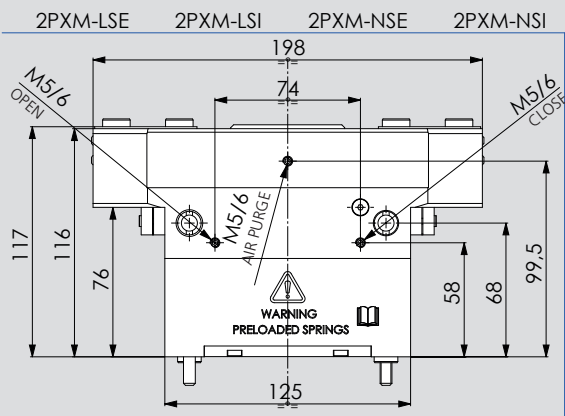
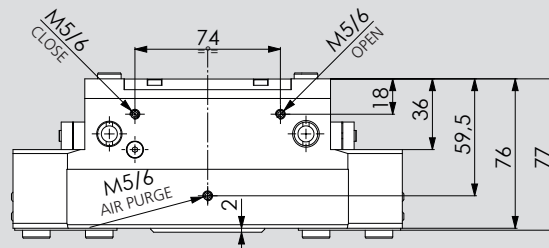
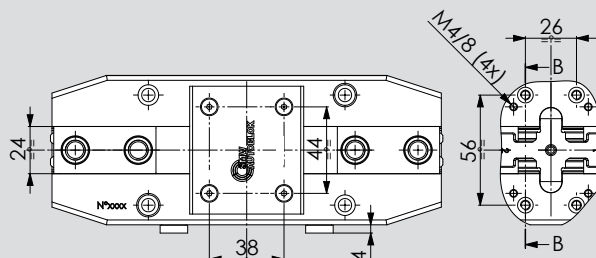
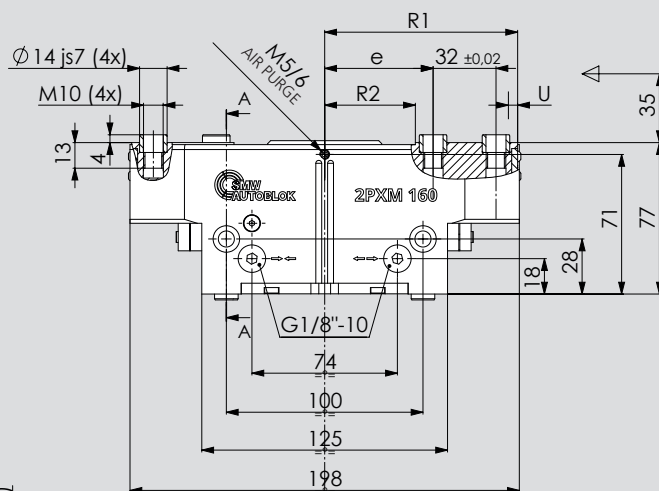
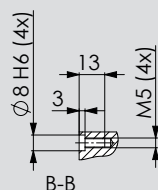
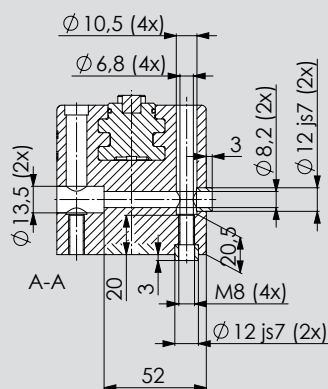
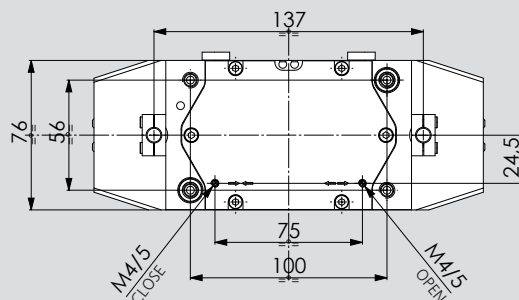
Subject to technical changes.
 For more detailed information please ask our customer service.

Type	Id. No.	Gripping force (N) at 6 bar	Spring force min. (N)	U (mm) jaw stroke	Air volume (cm³)	Pressure (bar) min./max.	Opening / Closing time (s) at 6 bar	Weight (Kg)	Recommended Workpiece weight (Kg)	e (mm) min./max.	R1 (mm) min./max.	R2 (mm) min./max.
2PXM-N 125	77901864	2.800	-----	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	3.900	1.100	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	4.070	1.100	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	1.320	-----	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	1.840	520	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	1.920	520	13	157	4/6,5	0,08/0,12	2	7,0	30,5/43,5	64,5/77,5	23,5/36,5

LSI/LSE, NSE/NSI = gripping force retention (E = external clamping, I = internal clamping), L = long stroke, N = normal stroke



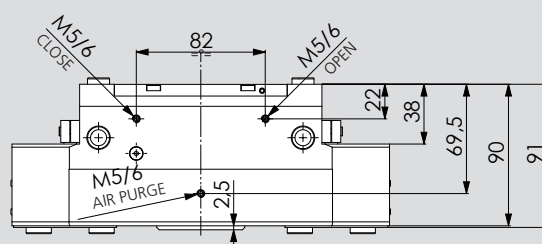
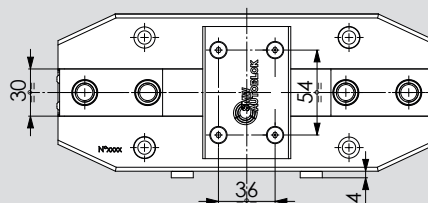
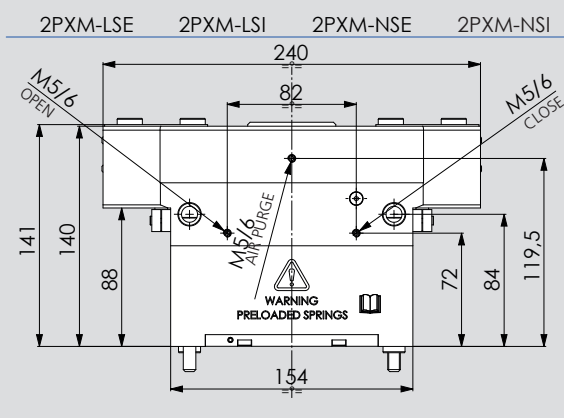
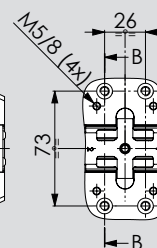
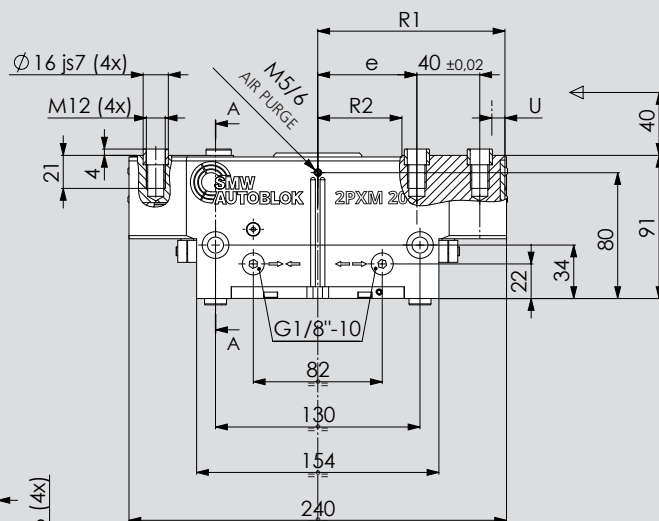
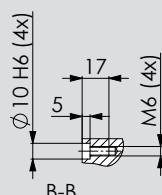
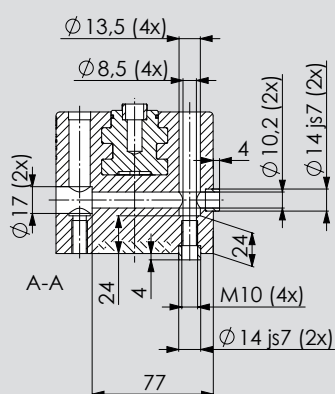
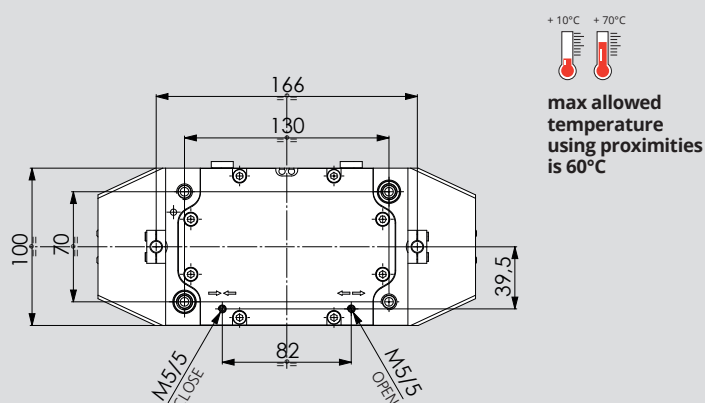
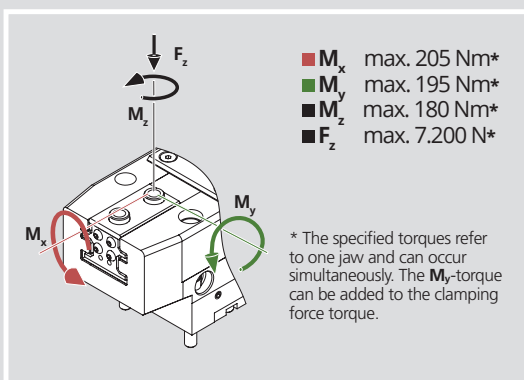
max allowed temperature using proximities is 60°C



Subject to technical changes.
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Type	Id. No.	Gripping force (N) at 6 bar	Spring force min. (N)	U (mm) jaw stroke	Air volume (cm³)	Pressure (bar) min./max.	Opening / Closing time (s) at 6 bar	Weight (Kg)	Recommended Workpiece weight (Kg)	e (mm) min./max.	R1 (mm) min./max.	R2 (mm) min./max.
2PXM-N 160	77901868	4.560	-----	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	6.510	1.950	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	6.850	1.950	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	2.150	-----	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	3.070	920	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	3.240	920	16	330,5	4/6,5	0,11/0,22	3,7	11,0	38,5/54,5	82/98	29,5/45,5

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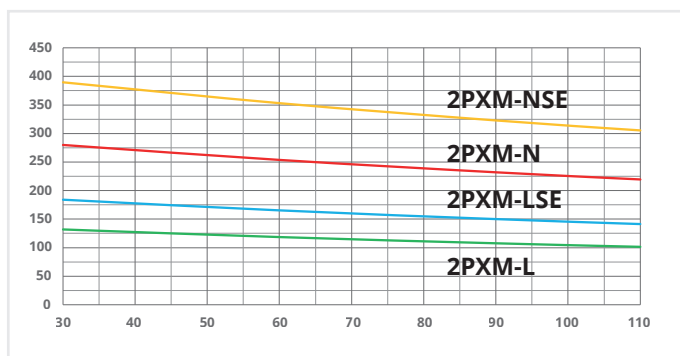


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Type	Id. No.	Gripping force (N) at 6 bar	Spring force min. (N)	U (mm) jaw stroke	Air volume (cm³)	Pressure (bar) min./max.	Opening / Closing time (s) at 6 bar	Weight (Kg)	Recommended Workpiece weight (Kg)	e (mm) min./max.	R1 (mm) min./max.	R2 (mm) min./max.
2PXM-N 200	77901872	5.560	-----	14	373	2/8	0,3/0,3	5,8	28,0	38/52	105/119	28,5/42,5
2PXM-NSE 200	77902072	7.560	2.000	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	7.900	2.000	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	3.700	-----	25	373	2/8	0,3/0,3	5,8	18,5	38/63	94/119	28,5/53,5
2PXM-LSE 200	77902172	5.020	1.320	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	5.260	1.320	25	758	4/6,5	0,3/0,5	7,3	18,5	38/63	94/119	28,5/53,5

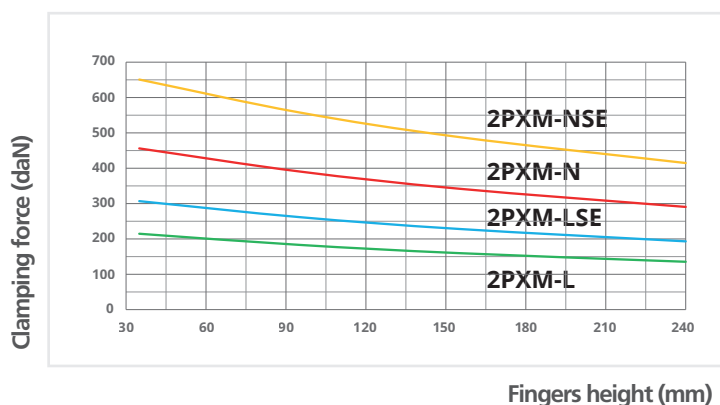
LSI/LSE, NSE/NSI = gripping force retention (E = external clamping, I = internal clamping), L = long stroke, N = normal stroke

CLAMPING FORCE DIAGRAM 2PXM 125



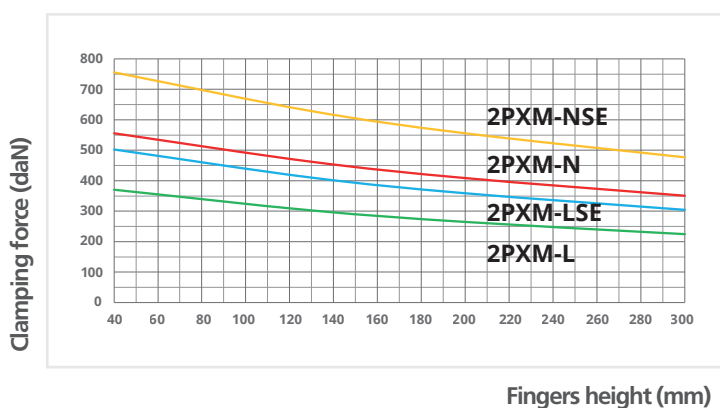
- Clamping force calculated at **6 bar**.
- Max. recommended fingers height: **200 mm**
- Max. fingers weight: **2,3 Kg**
- For I.D. clamping consider **+5%** of the clamping force shown in the diagram.
- Use connecting screws class **12.9**

CLAMPING FORCE DIAGRAM 2PXM 160



- Clamping force calculated at **6 bar**.
- Max. recommended fingers height: **240 mm**
- Max. fingers weight: **3,7 Kg**
- For I.D. clamping consider **+5%** of the clamping force shown in the diagram.
- Use connecting screws class **12.9**

CLAMPING FORCE DIAGRAM 2PXM 200



- Clamping force calculated at **6 bar**.
- Max. recommended fingers height: **300 mm**
- Max. fingers weight: **6,7 Kg**
- For I.D. clamping consider **+5%** of the clamping force shown in the diagram.
- Use connecting screws class **12.9**