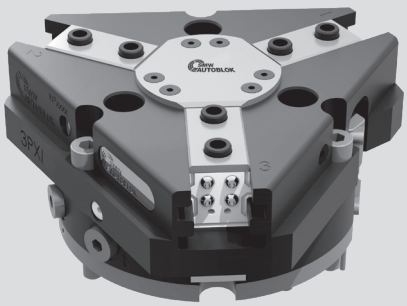
3PXL

Pneumatic gripper

Centric gripper

■ 3 finger centric



Application/customer benefits

- Compact and light design and high gripping force
- ID and OD clamping
- Integrated greasing system on base jaw (use SMW-AUTOBLOK K67 grease)

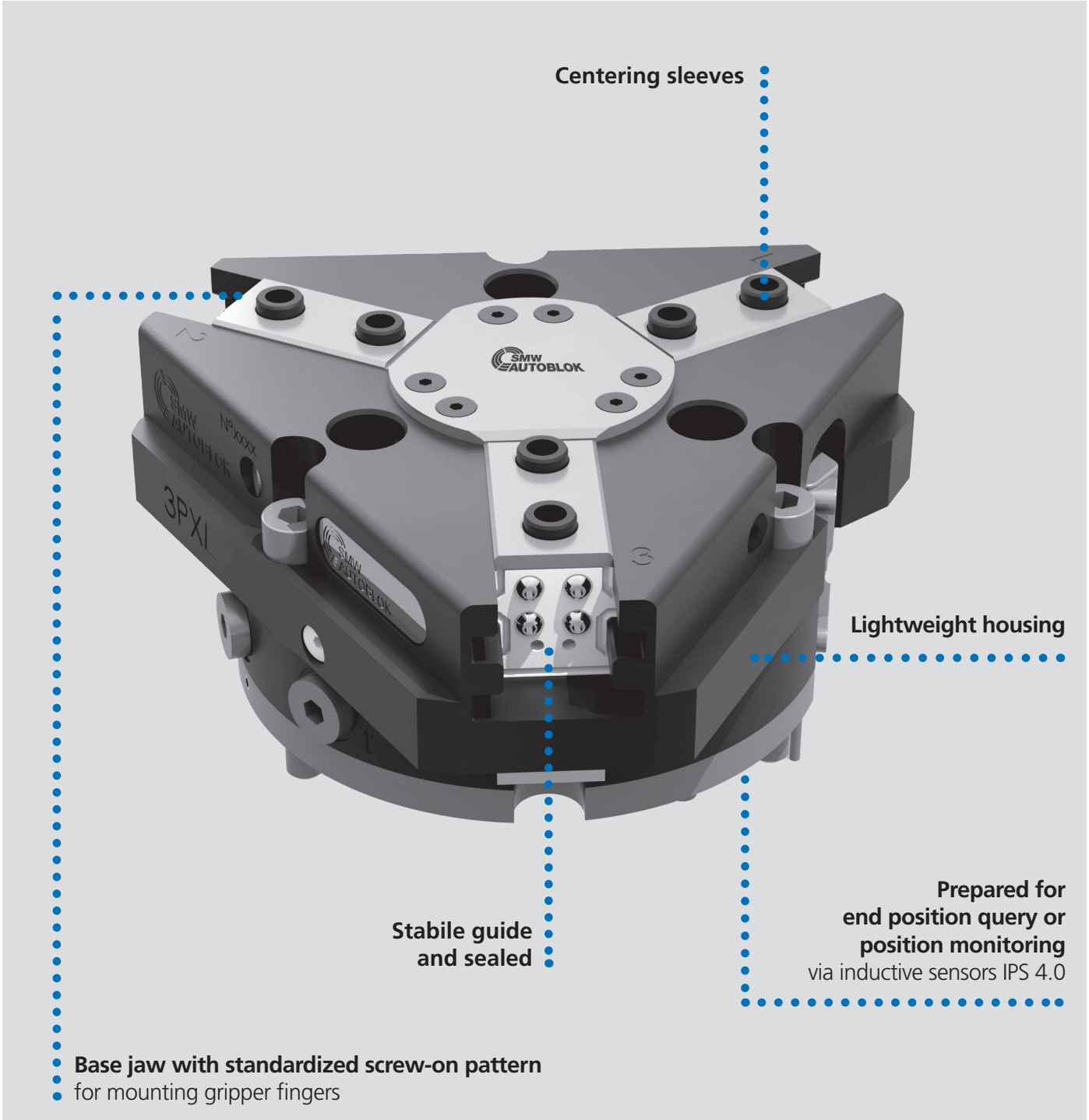
Technical features

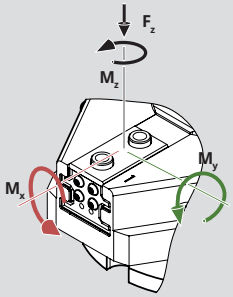
- Aluminum housing
- Sealed / Protection class: IP64
- Functional parts heat-treated for high precision and long life
- Highest rigidity and repeatability: 0,04 mm
- Air purge
- Optional: Spring workstop, Sensor package

Standard equipment

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

3PXL



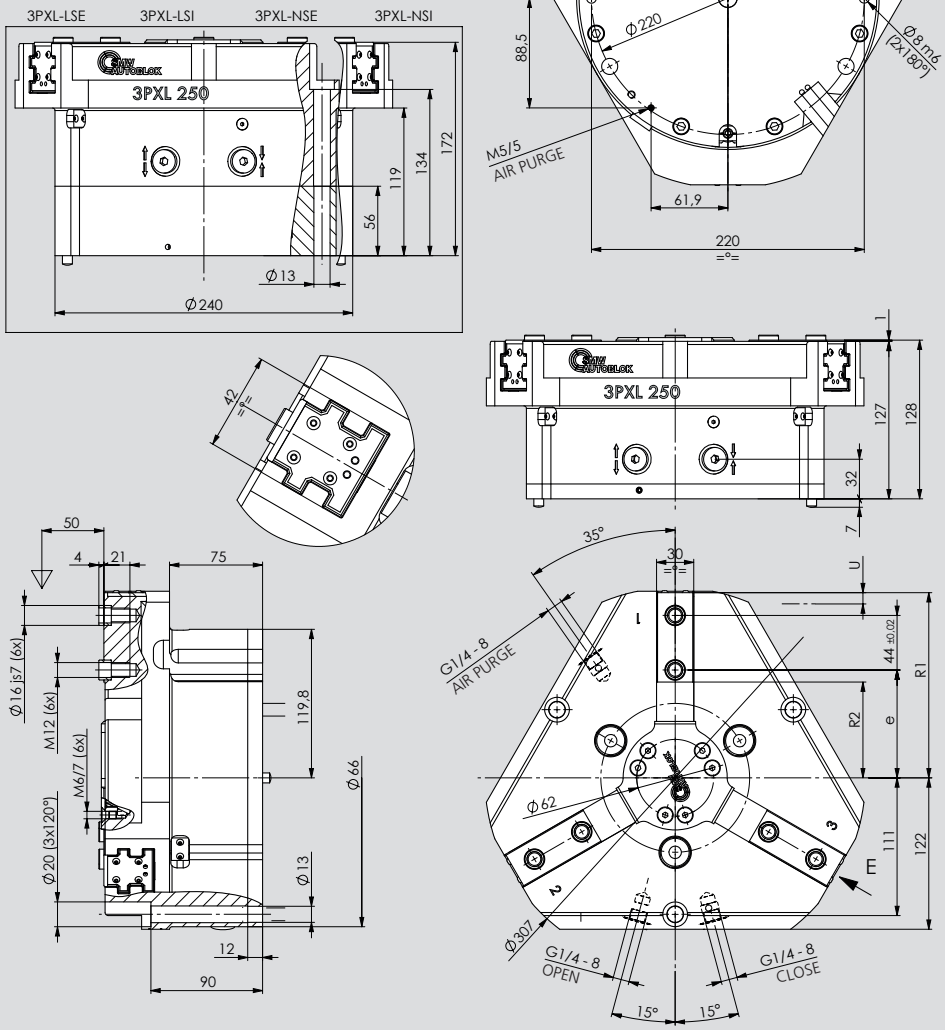


- M_x max. 265 Nm*
- M_y max. 255 Nm*
- M_z max. 190 Nm*
- F_z max. 6.800 N*

* The specified torques refer to one jaw and can occur simultaneously. The M_y-torque can be added to the clamping force torque.



max allowed temperature using proximities is 60°C

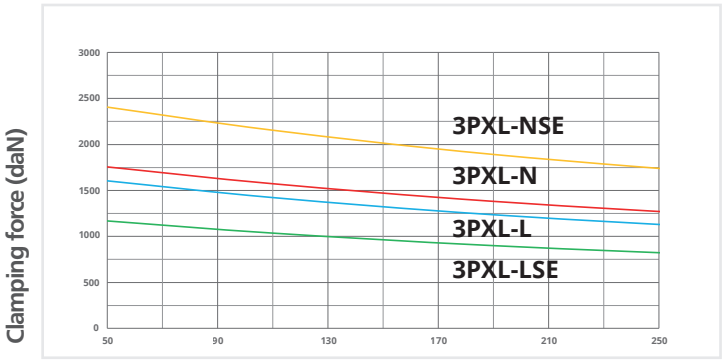


Subject to technical changes.
For more detailed information please ask our customer service.

Type	Id. No.	Gripping force (N) at 6 bar	Spring force min. (N)	U (mm) jaw stoke	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.
3PXL-N 250	77920426	17.550	-----	17	1496,5	2/8	1,23/1,23	17	87,5	57/74	132,5/149,5	47/64
3PXL-NSE 250	77920526	24.050	6.500	17	2571,5	4/6,5	2,05/1,08	21	87,5	57/74	132,5/149,5	47/64
3PXL-NSI 250	77920626	24.800	6.500	17	2616,5	4/6,5	1,08/2,05	21	87,5	57/74	132,5/149,5	47/64
3PXL-L 250	77920126	11.700	-----	30	1496,5	2/8	1,23/1,23	17	58,5	57/87	119,5/149,5	47/77
3PXL-LSE 250	77920226	16.050	4.350	30	2571,5	4/6,5	2,05/1,08	21	58,5	57/87	119,5/149,5	47/77
3PXL-LSI 250	77920326	16.550	4.350	30	2616,5	4/6,5	1,08/2,05	21	58,5	57/87	119,5/149,5	47/77

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

CLAMPING FORCE DIAGRAM 3PXL 250



- Clamping force calculated at **6 bar.**
- Max. recommended fingers height: **300 mm**
- Max. fingers weight: **8,5 Kg**
- For I.D. clamping consider **+3%** of the clamping force shown in the diagram.
- Use connecting screws class **12.9**