

# 2PXL

## 2 jaws self-centering grippers Ø250

### 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 IP40
- Highest rigidity and Repeatability: 0,04 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.

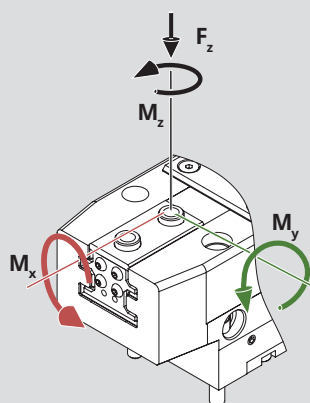
| SMW-Autoblok TYPE | Id. No.  | Clamping force (daN) at 6 bar | Spring force min. (daN) | U (mm) jaw stroke | Air volume (cm³) | Pressure (bar) min./max. | Opening/ Closing time (s) at 6 bar | Weight (Kg) | Workpiece weight recommended (Kg) | e (mm) min. /max. | R1 (mm) min. /max. | R2 (mm) min. /max. |
|-------------------|----------|-------------------------------|-------------------------|-------------------|------------------|--------------------------|------------------------------------|-------------|-----------------------------------|-------------------|--------------------|--------------------|
| 2PXL-N 250        | 77901877 | 800                           | -----                   | 17                | 651              | 2/8                      | 0,5/0,5                            | 8,4         | 40,0                              | 46,75/63,75       | 122/139            | 37/54              |
| 2PXL-NSE 250      | 77902077 | 1100                          | 300                     | 17                | 1251             | 4/6,5                    | 0,7/0,4                            | 10,7        | 40,0                              | 46,75/63,75       | 122/139            | 37/54              |
| 2PXL-NSI 250      | 77901177 | 1135                          | 300                     | 17                | 1278             | 4/6,5                    | 0,4/0,7                            | 10,7        | 40,0                              | 46,75/63,75       | 122/139            | 37/54              |
| 2PXL-L 250        | 77901977 | 530                           | -----                   | 30                | 651              | 2/8                      | 0,5/0,5                            | 8,2         | 26,5                              | 46,75/76,75       | 109/139            | 37/67              |
| 2PXL-LSE 250      | 77902177 | 730                           | 200                     | 30                | 1251             | 4/6,5                    | 0,7/0,4                            | 10,5        | 26,5                              | 46,75/76,75       | 109/139            | 37/67              |
| 2PXL-LSI 250      | 77901277 | 755                           | 200                     | 30                | 1278             | 4/6,5                    | 0,4/0,7                            | 10,5        | 26,5                              | 46,75/76,75       | 109/139            | 37/67              |

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

# 2PXL



| DIAGRAM DATA                                               |        |
|------------------------------------------------------------|--------|
| GRIPPING FORCE CALCULATED AT                               | 6 bar  |
| MAX. RECOMMENDED TOP JAWS HEIGHT                           | 290 mm |
| MAX. TOP JAWS WEIGHT                                       | 9,2 kg |
| I.D. CLAMPING (of the gripping force shown in the diagram) | +3%    |
| USE CONNECTING SCREWS CLASS                                | 12.9   |



- $M_x$  max. 270 Nm\*  
■  $M_y$  max. 255 Nm\*  
■  $M_z$  max. 220 Nm\*  
■  $F$  max. 8750 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.

