

Locating

Quick installation guide

LOCATING

Caution

Any maintenance operation may only be carried out by qualified and authorized personnel. For any reason, do not reach into the pivoting range of the clamping arms, when the clamps are in operation. Disconnect and lock out pneumatic and electric supply lines before operating on or around clamps.

A worksheet for the right sizing of the pin packages is available upon request. Visit our website for technical documents

<http://automotive.pneumax.it/>



Pressure operating range: from 2 to 8 bar/ from 30 to 115 psi.
Inline lubrication isn't required: if lubricated air is used, it is necessary to continue using lubricated air, as the oil in it may have removed the basic lubrication in the device.

Functional description

Retractable locating pin packages

When operated, the cylinder **extends and retracts the rod**.

Anti-rotation mechanism. A dual piston rod guiding grants positional **accuracy and repeatability**.



Retractable locating pin packages with CNOMO mounting pattern

When operated, the cylinder **extends and retracts the rod**.

Anti-rotation mechanism.

A dual piston rod guiding grants positional **accuracy and repeatability**. Please refer to the catalogue for the deviation values for different strokes and load.



High Performance retractable locating pin packages

Pneumatic tandem pin package with **large output force**. Pressure is applied to both pistons resulting in an approximately doubled piston output force of a corresponding piston diameter. Appreciable **saving in bulk** and weight due to the all-aluminium housing, which comprises the head cap. **Anti-rotation** mechanism. A dual piston rod guiding grants positional **accuracy and repeatability**.



Retractable locating pin packages with dual rods

When operated, the cylinder **extends and retracts the rods**, which could be **rotated by 180°**, thus achieving a **symmetrical rod orientation**. A dual piston rod guiding grants positional **accuracy and repeatability**. Make sure that the rods are doweled only on a single side to avoid any misalignment. Please refer to the catalogue for the deviation values for different strokes and load.



The clamp is warranted for 3 mln cycles in correct operating conditions

No lubrication.

No preventive maintenance.

The pin packages do not require any specific adjustment.

The rod alignment as well as the anti-rotation are set in the manufacturing department and do not require any adjustment on-site.

External cleaning with non-corrosive detergents is required: cleaning interval depends on the ambient conditions as well as on the frequency of use.



Pin package installation to the tool

The pin package can be installed by one of its three mounting surfaces, using dowels and screws according to its datasheet. The tightening torques to be set are:

M6 10 N m / 7.37 lb-ft

M8 25 N m / 18.43 lb-ft

Use the key support surfaces, where available.

Always use all the bores on the mounting pattern.

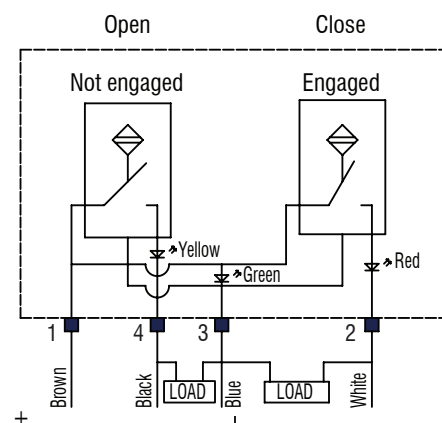
Electronic sensor

ES001 is used for all pin packages' sizes and series. Stepless adjustment of the connector: unscrew the tightening screw and set the connector in the required position, then secure the screw with 5 N m / 3.68 lb-ft.

To replace the sensor, remove the M5 screw and assemble a new one by tightening the same screw with 5 N m / 3.68 lb-ft.



Technical features	
Operating voltage	10-30 VDC
Voltage drop	≤ 2 V
Load current	≤ 100 mA
Current consumption	≤ 25 mA
Short-circuit protection	protected
Protection rating	IP68
Operating temperature	-0 °C +50 °C
Storage temperature	-25 °C +60 °C
Electromagnetic compatibility	EN 60947-5-2:2007 + A1:2012
Power supply indication	green LED
Open position indication	yellow LED
Closed position indication	red LED



Simplified diagram (PNP)