

Rodless Cylinder With Magnetic Sliding Series Magnetic Slide code : series magnetic slide

The magnetic-slide rodless cylinder operates pneumatically and is equipped with a piston and a slide with magnets. The slide runs freely along the liner, following the piston movements, thanks to the magnetic coupling force between the two. If an axial force exceeding the magnetic coupling force is applied to the slide, it disengages. It is therefore important to operate within the pressure, force and speed ranges shown in the catalogue. The load is fixed onto the slide using four threaded holes. The cylinder is secured at the ends by means of nuts, flanges and brackets. This solution is recommended when there is limited space for assembly, there must be no air leaks or impurities must be prevented from entering. Available with three bores Ø 16-20-25, in the basic or swinging versions, with adjustable pneumatic cushioning or non-adjustable cushioning. Designed for use with magnetic sensors.

COMPONENTS

- ☐ SLIDE: anodized aluminium alloy
- ☐ WIPER RING: polyurethane
- ☐ TIE ROD: stainless steel, thick-chromed
- ☐ BARREL: AISI 304 stainless steel
- ☐ HEAD: anodized aluminium alloy
- ☐ CUSHIONING GASKET: NBR
- ☐ NEEDLE: OT 58 with needle-out movement
- ☐ safety system, even when fully open
- ☐ HEAD NUT: OT 58 nickel-plated
- ☐ HALF-PISTON: aluminium alloy
- ☐ PISTON GASKET: polyurethane
- ☐ BUFFER: NBR
- ☐ INT/EXT MAGNETS: neodymium
- ☐ INT/EXT GUIDES: thermoplastic resin
- ☐ with lubricating additive
- ☐ GREASE NIPPLE: steel
- ☐ Static O-rings: NBR

