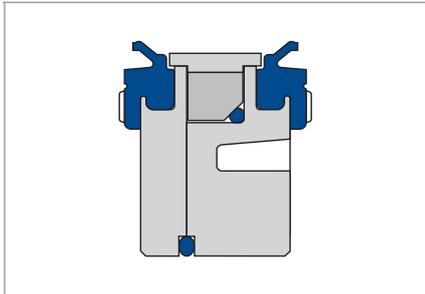


MERKEL COMPLETE PISTON PNEUKO M 210



PRODUCT DESCRIPTION

The compact, short, Merkel complete pneumatic piston Pneuko M consists of an aluminium body, guide strip, a magnet and the sealing body with a special sealing edge on the sealing lip and integrated buffers made of very wear resistant fluoro elastomer FKM for special applications.

PRODUCT ADVANTAGES

- Long service life
- Low start friction due to optimised sealing lip geometry and additional venting passages
- Constant good sealing behaviour over a wide pressure range (to 1,2 MPa)
- Running properties without tendency to tilt due to a guide strip optimised for the application
- Aluminium body brings weight saving and permits high energy absorption
- Easily fastened to the piston rod
- Integrated static seal
- Supplied suitable for storage and fitting in deep-drawn inserts
- Simple provisioning
- Integrated magnet for a position check using a sensor

APPLICATION

- Broad range of uses, only one piston for short stroke cylinders, compact cylinders, round cylinders and ISO cylinders

MATERIAL

Material	Code	Hardness
Fluoro elastomer	75 FKM 181327	75 Shore A

OPERATING CONDITIONS

Medium	Prepared, dried and de-oiled compressed air (after greasing for fitting)
Operating pressure p	≤1,2 MPa
Temperature T	-20 ... +100 °C
Running speed v	≤1,0 m/s

DESIGN NOTES

Surface quality

Peak-to-valley heights	R _{max}	R _p /R _z
Cylinder barrel	≤4 µm	<0,5 µm

tp (25% R_{max}) = 50 ... 70%

→ Technical Manual.

FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal. → Technical Manual. The Merkel Complete Piston Pneuko M 210 is fitted to shouldered end of the piston rod and fastened with washers and a nut. The threaded fitting is to be protected against loosening.

SPECIALITIES

Packaging note

Ordered amount	D _N	Packaged unit
≤100	32, 40 and 50	5 pcs. per box
≤100	63, 80 and 100	1 pcs. per box
>100	all	thermoformed trays