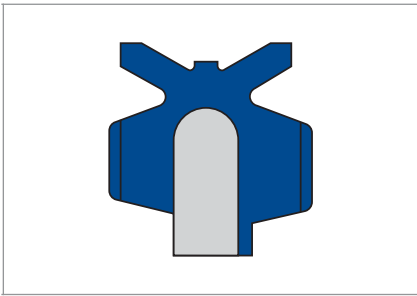


MERKEL COMPLETE PISTON NADUOP



PRODUCT DESCRIPTION

Short Merkel complete piston with steel base plate, vulcanised buffers and sealing lips with special pneumatic sealing edges. Ready to install Merkel complete piston with integrated guide that can be pressurised on both sides.

PRODUCT ADVANTAGES

- Vulcanised buffers for end-position damping of piston in the cylinder
- Radial venting passages for reliable pressure application at the end of the stroke

APPLICATION

- Pneumatic cylinders

MATERIAL

Seal

Material	Code	Hardness
Acrylonitrile-butadiene rubber	72 NBR 708	72 Shore A

Base plate

Material	Code	Hardness
mild steel according to DIN 1624	–	–

OPERATING CONDITIONS

Medium	Prepared, dried and de-oiled compressed air (after greasing for fitting)
Operating pressure p	≤1,0 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

t_p (25% R_{max}) = 50 ... 75%

→ Technical Manual.

FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal. → Technical Manual. The Merkel Complete Piston NADUOP 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.