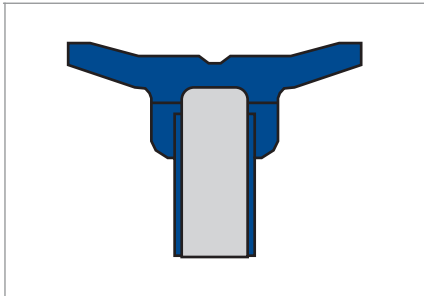


# MERKEL COMPLETE PISTON TDUOP WITH VENTING PASSAGES



## PRODUCT DESCRIPTION

Merkel complete piston with steel base plate and vulcanised sealing lips with special pneumatic sealing edges. The design with radial venting passages on the front sides facilitates reliable pressure application at the end of the stroke.

## PRODUCT ADVANTAGES

- Ready to fit complete piston to which pressure can be applied on both sides with integrated guide
- Easily fastened to the piston rod without additional sealing components
- Long service life
- Low start friction due to optimised sealing lip geometry and supported by additional venting passages
- Constant good sealing behaviour over a wide pressure range (to 1,2 MPa)
- Simply provisioning

## APPLICATION

- Pneumatic cylinder without request

## MATERIAL

### Seal

Material	Code	Hardness
NBR rubber	72 NBR 708	72 Shore A

### Base plate

Material	Code	Hardness
mild steel according to DIN 1624	–	–

FKM on enquiry.

## 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

## FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal. → Technical Manual. The Merkel Complete Piston TDUOP with Venting Passages 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.