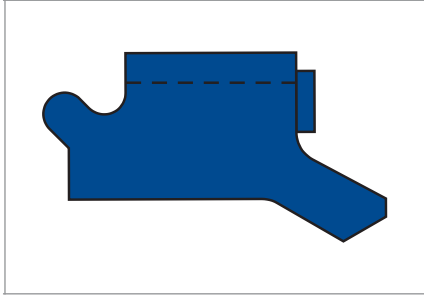


MERKEL DAMPER SEAL DIP



FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal.
→ Technical Manual. Merkel damper seals can be snapped by hand into the housing grooves provided.

PRODUCT DESCRIPTION

Merkel Damper Seal DIP with spacer lug and flow passages.

PRODUCT ADVANTAGES

- Integrated non-return valve function through axial seal, spacer lugs and flow passages
- Constant, reliable damping function due to automatic centring

APPLICATION

- Damper seal e.g. for ISO cylinders

MATERIAL

Material	Code	Hardness
Acrylonitrile-butadiene rubber	90 NBR 109	90 Shore A

OPERATING CONDITIONS

Medium	Prepared, dried and de-oiled compressed air (after greasing for fitting)
Operating pressure p	≤1,6 MPa
Temperature T	-30 ... +100 °C
Running speed v	≤1,0 m/s

DESIGN NOTES

Surface quality

Peak-to-valley heights	R _{max}	R _p /R _z
Rod	≤4 μm	<0,5 μm
Groove base	≤10 μm	<0,5 μm

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

→ Technical Manual.