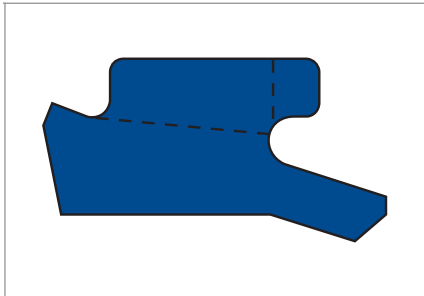


# MERKEL DAMPER SEAL AU DIP



## 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 AU DIP with spacer lug and flow passages.

## PRODUCT ADVANTAGES

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

## APPLICATION

- Damper seal e.g. for ISO cylinders

## MATERIAL

≤12 mm

Material	Code	Hardness
Polyurethane	85 AU 20991	85 Shore A

>12 mm

Material	Code	Hardness
Polyurethane	94 AU 925	94 Shore A

## OPERATING CONDITIONS

Medium	Prepared, dried and de-oiled compressed air (after greasing for fitting)
Operating pressure p	≤2,5 MPa
Temperature T	−30 ... +90 °C
Running speed v	≤1,0 m/s

## DESIGN NOTES

Surface quality

Peak-to-valley heights	R <sub>max</sub>	R <sub>p</sub> /R <sub>z</sub>
Rod	≤4 µm	<0,5 µm
Groove base	≤10 µm	– µm

tp (25% R<sub>max</sub>) = 50 ... 75%

→ Technical Manual.