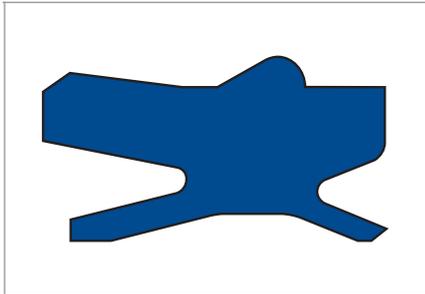


MERKEL COMBINATION SEAL AU NIPSL



FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal.
→ Technical Manual. The Merkel Combination Seal AU NIPSL is pressed into the housing from outside. The bead on the outside diameter snaps into the circlip groove and fixes the seal in the housing.

PRODUCT DESCRIPTION

Combination wiper seal without metal reinforcement with special pneumatic sealing edge.

PRODUCT ADVANTAGES

- Combination seal with minimal space requirements, which seals inwards and wipes outwards
- The component needs no additional element (circlip) for axial fixing within the housing
- Long service life
- Robust design

APPLICATION

- Rod seal e.g. for ISO cylinders

MATERIAL

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	≤1,2 MPa
Temperature T	-30 ... +90 °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

$t_p (25\% R_{max}) = 50 \dots 75\%$

→ Technical Manual.