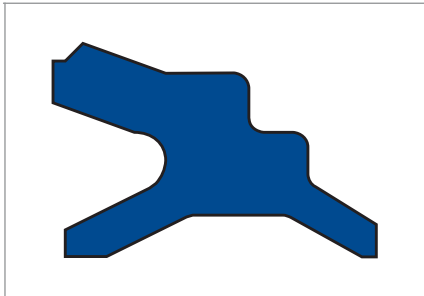


MERKEL COMBINATION SEAL NIPSL 300



FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal.
→ Technical Manual. The Merkel Combination Seal NIPSL 300 for small cylinders can be snapped by hand into the housing grooves provided, with the piston rod removed.

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 special pneumatic sealing edge gives very good tightness with low friction and maintains an effective lubricating film.
- Material with high wear resistance

APPLICATION

- Standard cylinders (small)

MATERIAL

Material	Code	Hardness
Polyurethane	85 AU 20991	85 Shore A
Polyurethane	90 AU 924	90 Shore A

OPERATING CONDITIONS

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

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

→ Technical Manual.