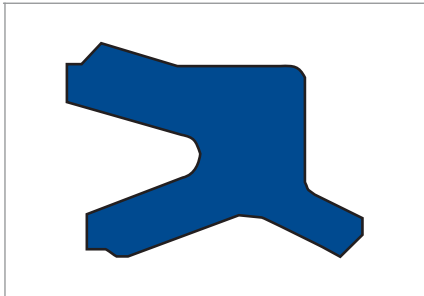


# MERKEL COMBINATION SEAL NIPSL 310



## FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal.  
→ Technical Manual. The Merkel Combination Seal NIPSL 310 for small cylinders can be snapped by hand into the housing grooves provided, with the piston rod removed

## PRODUCT DESCRIPTION

Compact 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)
- Compact cylinders

## MATERIAL

Material	Code	Hardness
Polyurethane	85 AU 20991	85 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 <sub>max</sub>	R <sub>p</sub> /R <sub>z</sub>
Rod	≤4 μm	- μm
Groove base	≤10 μm	<0,5 μm

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

→ Technical Manual.