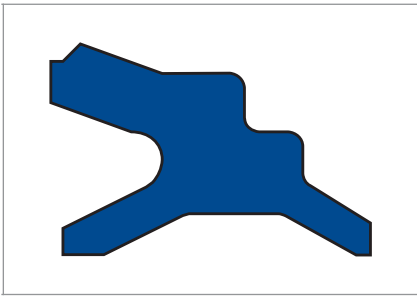


MERKEL COMBINATION SEAL NIPSL 300



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.