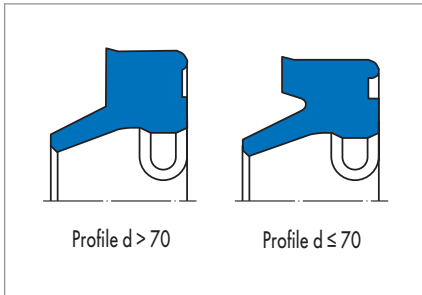


Merkel Wiper PU 6



Product description

Single-acting PUR wiper with static sealing edge on the outside diameter.

Product advantages

Dirt wiper with bearing segments on the heel of the wiper and lightly rounded wiper lip

- No ingress of dirt and water spray via outside diameter
- Reliably wipes away dirt
- Leaves a residual film of oil on retracting rod
- No twisting and pressure build-up between seal and wiper
- Highly wear-resistant

Application

- Mining
- Earth moving equipment
- Presses
- Injection moulding machines
- Support cylinders

Material

Material	Code	Hardness
Polyurethane	95 AU V149	95 Shore A

Operating conditions

Running speed v	2 m/s
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Medium/ Temperature	95 AU V149
Hydraulic oils HL, HLP	-30 °C ... +110 °C
HFA fluids	+5 °C ... +50 °C
HFB fluids	+5 °C ... +50 °C
HFC fluids	-30 °C ... +40 °C
HFD fluids	-

Medium/ Temperature	95 AU V149
Water	+5 °C ... +50 °C
HETG (rapeseed oil)	-30 °C ... +60 °C
HEES (synthetic ester)	-30 °C ... +80 °C
HEPG (glycol)	-30 °C ... +50 °C
Mineral greases	-30 °C ... +110 °C

Design notes

Please observe our general design notes in → Technical Manual.

Surface quality

Peak-to-valley heights	R_a	R_{max}
Sliding surface	* μm	* μm
Groove base	$\leq 1,6 \mu\text{m}$	$\leq 6,3 \mu\text{m}$
Groove flanks	$\leq 3,0 \mu\text{m}$	$\leq 15,0 \mu\text{m}$

* Surface roughness of the sliding surface to suit the sealing component used.

Tolerances

Nominal $\varnothing d$	D	D_1
12 ... 200 mm	H10	

The tolerance for the $\varnothing d$ is defined by the buffer seal.

Fitting & installation

Careful fitting is a prerequisite for the correct function of the Merkel Wiper PU 6. Generally, wipers can be quickly and easily fitted by deforming into a kidney shape. → Technical Manual.

Lead-in chamfers

Length and angle are to be designed to suit the rod seal used.