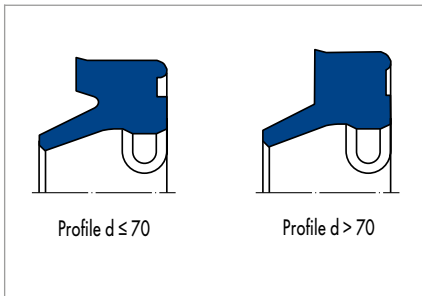


# MERKEL WIPER PU 6



## 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
-------------------	-------

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	* $\mu\text{m}$	* $\mu\text{m}$
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.