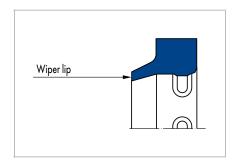
MERKEL WIPER P 6



PRODUCT DESCRIPTION

Single-acting elastomeric dirt wiper with bearing segments.

PRODUCT ADVANTAGES

NBR dirt wiper that is primarily used for large diameters.

- Good seating at the outside diameter
- Very good wiping action
- Wiper can be used for a wide temperature range
- No twisting in the housing and no pressure build-up between seal and wiper

APPLICATION

- Presses
- Steel hydraulics engineering
- Rolling mills

MATERIAL

Running speed v

Material	Code	Hardness
Nitrile rubber NBR	85 NBR B247	85 Shore A
Fluoro rubber FKM	85 NBR B247	85 Shore A

2 m/s

OPERATING CONDITIONS

Medium/ Temperature	85 NBR B247	85 FKM K664
Hydraulic oils HL, HLP	−30 °C +100 °C	−10 °C +200 °C
HFA fluids	+5 °C +60 °C	+5 °C +60 °C
HFB fluids	+5 °C +60 °C	+5 °C +60 °C
HFC fluids	−30 °C +60 °C	-
HFD fluids	-	+10 °C +200 °C
Water	+5 °C +100 °C	+5 °C +80 °C
HETG (rapeseed oil)	−30 °C +80 °C	−10 °C +80 °C
HEES (synthetic ester)	−30 °C +80 °C	−10 °C +100 °C
HEPG (glycol)	−30 °C +60 °C	−10 °C +80 °C
Mineral greases	−30 °C +100 °C	−10 °C +200 °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	≤1,6 µm	≤6,3 µm
Groove flanks	≤3,0 µm	≤15,0 µm

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

Tolerances

Nominal Ø d	D	D ₁
20 2900 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 P 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.

