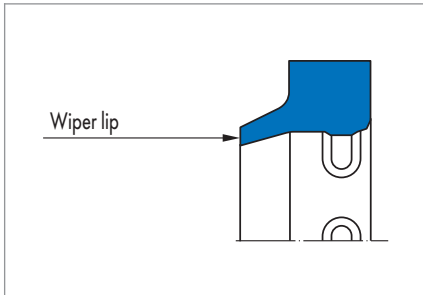


# Merkel Wiper P 6



## 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

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

## Operating conditions

Running speed $v$	2 m/s
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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	* $\mu\text{m}$	* $\mu\text{m}$
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	$D_1$
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.