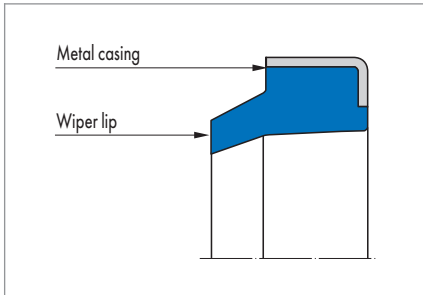


Merkel Wiper AS



Product description

Dirt wiper with metal housing; wiper lip protruding.

Product advantages

Single-acting wiper for the protection of cylinders against ingress of dirt, use in standardised housings, amongst others, according to ISO 6195 Type B.

Application

- Standard cylinders

Material

Wiper

Material	Code	Hardness
Nitrile rubber NBR	NBR	88 Shore A

Metal housing

Material	Code	Hardness
unalloyed steel	–	–

Operating conditions

Running speed v	2 m/s
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Medium/ Temperature	88 NBR
Hydraulic oils HL, HLP	–30 °C ... +100 °C
HFA fluids	+5 °C ... +60 °C
HFB fluids	+5 °C ... +60 °C
HFC fluids	–30 °C ... +60 °C
HFD fluids	–
Water	+5 °C ... +90 °C
HETG (rapeseed oil)	–30 °C ... +80 °C
HEES (synthetic ester)	–
HEPG (glycol)	–30 °C ... +60 °C
Mineral greases	–30 °C ... +100 °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
6 ... 400 mm	H8

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 AS. 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.