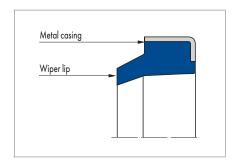
MERKEL WIPER AS



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

Running speed v

Material	Code	Hardness
unalloyed steel	-	-

2 m/s

OPERATING CONDITIONS

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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	≤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
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.

