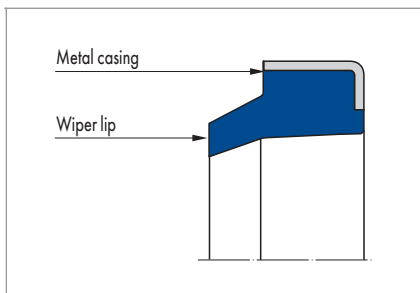


## MERKEL WIPER AS



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