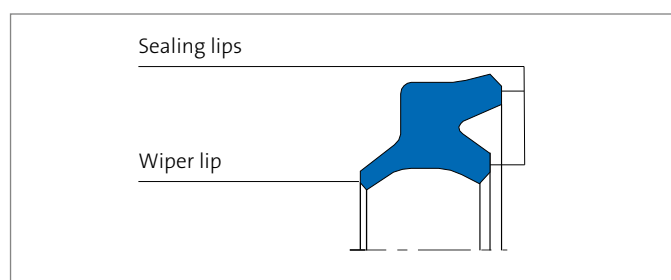


# MERKEL DOUBLE WIPER PU 11



**Merkel Double Wiper PU 11** is a wiper with two sealing lips and one wiper lip. The sealing edge of the wiper lip is slightly rounded.



## Applications

The Merkel double wiper P 11 is preferably used in conjunction with our Merkel Omegat OMS-MR rod seals. The Merkel PU 11 can cope with pressures of up to 1,6 MPa. If higher pressures may occur, we recommend a pressure-relief borehole between the seal and the wiper.

## Material

Material	Designation	Color
Polyurethane	95 AU V142	blue

## VALUE TO THE CUSTOMER

- Inwardly directed sealing lips provide the function of a lip seal
- Wiper lip with a slightly rounded sealing edge reliably wipes off dirt, and leaves a residual film of oil on the entering rod
- Improved performance of the complete sealing system regarding sealing effect, lifetime and friction behavior
- For standardized housings according to ISO 6195 Type C



## FEATURES AND BENEFITS

### Operating conditions

Material	95 AU V142
Hydraulic oils, HL, HLP	-30 ... +110 °C
HFA fluids	+5 ... +50 °C
HFB fluids	+5 ... +50 °C
HFC fluids	-30 ... +40 °C
HFD fluids	-
Water	+5 ... +50 °C
HETG (rape-seed oil)	-30 ... +60 °C
HEES (synth. ester)	-30 ... +80 °C
HEPG (glycol)	-30 ... +50 °C
Mineral greases	-30 ... +110 °C
Sliding speed	1 m/s

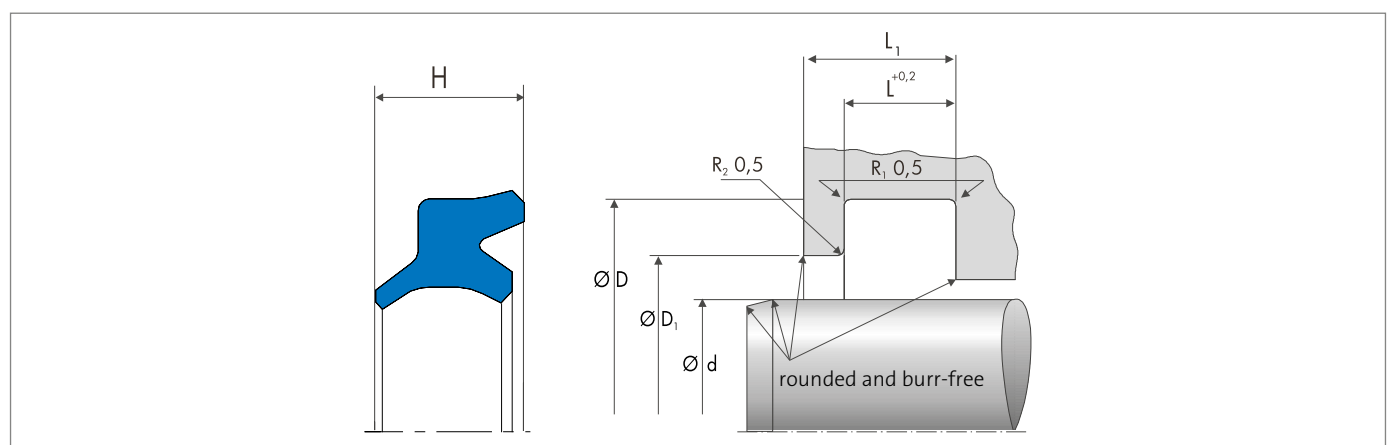
The figures given are maximum values and must not be applied simultaneously.

### Surface finish

Peak-to-valley heights	$R_a$	$R_{max}$
Sliding surface	*	*
Groove base	$\leq 1,6 \mu\text{m}$	$\leq 6,3 \mu\text{m}$
Groove sides	$\leq 3,0 \mu\text{m}$	$\leq 15,0 \mu\text{m}$

\* Surface roughness of the sliding surface to suit the sealing component used.

### Installation diagram



[www.fst.com](http://www.fst.com)

### Tolerance recommendation

Nominal- $\varnothing$ d [mm]	D	D <sub>1</sub>
12 ... 200	H11	H11

The tolerance for the diameter d is determined by the upstream seal.

### Design notes

Please note the general design-related remarks in our Technical Manual.

### Installation chamfers

Length and angle must be executed to suit the rod seal being used.

### Installation & assembly

Careful installation is essential if the stripper is to function flawlessly. The strippers can be quickly and easily installed by compressing them into a kidney shape. Please note the general remarks on the installation of hydraulic seals in our Technical Manual.