

Wiper Ring

XSWR13_E2

Function:

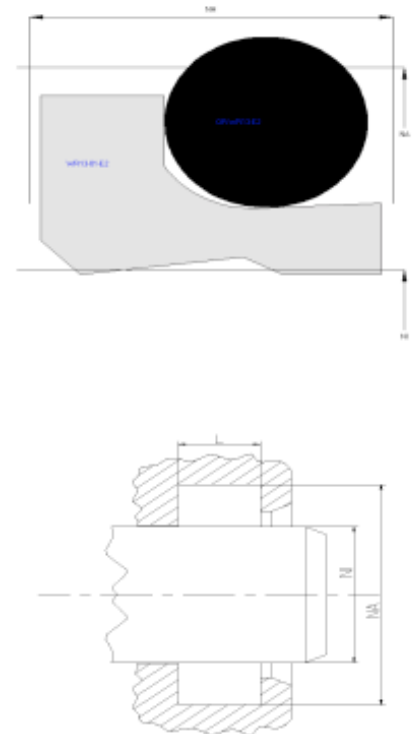
Wipers are designed to keep dust, dirt, sand and others off the rod and the sealing and guiding elements, avoiding abrasive damage caused by external contamination.

Features:

- The profile is designed with two geometric different lips for wiping off any dirt on the rod and to reduce the residual oil film on the medium side.
- The wiper consists of a PTFE wiping part and an O-Ring as preload element, maintaining contact pressure on the rod.
- Due to the use of an O-Ring the wiper is able to compensate deflections of the rod.
- Bigger O-Ring compared to WR13.
- Mainly used in combination with rod seal RS09B.
- Pressure should be limited to 15bar.
- For housings acc. to ISO 6195 Type D.

Application:

Reciprocation rods in hydraulic cylinders, swivelling and coiling rods, plungers.



Seal housing recommendation:

Tolerances	[mm]	
L < 10 mm	+ 0.2	
L ≥ 10 mm	+ 0.3	
Ø NA	H11	
Ø NI	f 8	

Surface roughness	Rtmax [µ]	Ra [µ]
Bottom of groove	≤ 6.3	≤ 1.6
Face of groove	≤ 15	≤ 3

Sliding surface	Rtmax [µ]	Ra [µ]
PU, elastomeres	≤ 2.5	≤ 0.1 - 0.5
PTFE	≤ 2	≤ 0.05 - 0.3

Installation:

Snap-in installation for wipers bigger 25mm otherwise a partite groove is recommended. A large insertion chamfer needs to be provided (angle 20-30°).