



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 one sharp lip for wiping off any dirt on the rod. The residual oil film is recovered.
- ⇒ 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.
- ⇒ Good dry running properties.
- ⇒ No "stick-slip".
- ⇒ Pressure on the trailing side should be avoided.
- ⇒ For housings acc. to ISO 6195 Type D.

Application

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

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°).

Seal housing recommendation

Tolerances	[mm]	
L < 10mm	+ 0.2	
L ≥ 10mm	+ 0.3	
∅ NA	H11	
∅ 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

Profile description

Wiper Ring
WR14