



### **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 interference on the OD which provides a good static fit, preventing the entry of humidity and other contamination via the outside diameter.
- ⇒ The design of the wiper lip supports the recirculation of the remaining oil film into the cylinder, whilst the exclusion of contamination is guaranteed.

### **Application**

Reciprocation rods in hydraulic cylinders, plungers.  
Max. pressure 0 bar, max. speed 4 m/s.

### **Installation**

Snap-in installation.  
When the cylinder can not be dismantled, the wiper can also be installed in cut version.  
In this case the diameter should be increased by 2-3%.

#### **Seal housing recommendation**

<b>Tolerances</b>	<b>[mm]</b>	
L < 10mm	+ 0.2	
L ≥ 10mm	+ 0.3	
∅ NA	H11	
∅ NI	f 8	
<b>Surface roughness</b>	<b>Rtmax [μ]</b>	<b>Ra [μ]</b>
Bottom of groove	≤ 6.3	≤ 1.6
Face of groove	≤ 15	≤ 3
<b>Sliding surface</b>	<b>Rtmax [μ]</b>	<b>Ra [μ]</b>
PU, elastomeres	≤ 2.5	≤ 0.1-0.5
PTFE	≤ 2	≤ 0.05-0.3

#### **Profile description**

***Wiper Ring***  
***WR02***