



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.
- ⇒ Sharp sealing edge for aggressive wiping.
- ⇒ The hump on the sealing lip enables better stability of the wiper.
- ⇒ 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

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
WR02D