



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.
- ⇒ Tight seat in the housing ensures that the wiper is held in place.
- ⇒ Prevention of corrosion in the seat due to the use of a retainer ring in hard plastics.
- ⇒ Not suitable for pressure from the trailing side.
- ⇒ For housings acc. to ISO 6195-1986 Type B.

Application

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

Installation

Press-in installation; separate installation of retainer ring and elastomer part possible.

Seal housing recommendation

Tolerances	[mm]	
L	+ 0.2	
∅ 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
WR03