



Function

Wipers are designed to keep dust, dirt, sand etc. out of the system and protect therefore the sealing and guiding elements from abrasive damage caused by external contamination.

Features

- ⇒ double wiper consisting out of a wiping lip for wiping off any dirt/dust of the rod and a sealing lip to reduce the residual oil film and improve the tightness.
- ⇒ The wiper consists of a PTFE profile ring and two O-Rings 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.
- ⇒ Mainly used in combination with rod seal RS09B.
- ⇒ Pressure should be limited to 15bar.

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
WR16