



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.
- ⇒ Additional sealing on the housing face.
- ⇒ Sharp wiping lip to ensure any dirt is wiped off properly.
- ⇒ Secondary lip for stabilizing and reducing the residual oil film.
- ⇒ Pressure from the trailing side has to be avoided.

Application

Reciprocation rods in hydraulic cylinders, plungers, rolling mills.
Max. pressure 0 bar, max. speed 2 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]	
L1	+ 0.2	
L2	- 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

Mining Seal
W51