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 wiping lip to ensure any dirt is wiped off properly.

⇨ Pressure from the trailing side has to be avoided.

Application

Reciprocation rods in hydraulic cylinders, plungers.

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]	
L < 10mm	+ 0.2	
L ≥10mm	+ 0.3	
ø NA	H11	
ø 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
W50

26.Mar.2008