

SNI 24

Description

Product group: Rod seal
Design: NI asymmetrical u-ring with inner main seal lip
Profile no.: 24
Specification: E suitable for one-sided pressure load
Seal material: NBR 90 3006



Operational application limits

Pressure (MPa): ≤ 16
Temperature (°C): -30 to +100
Running speed (m/s): ≤ 0.5

Media

Hydraulic oils acc. to DIN 51524 Part 1 – 3, lubricating oils, mineral oil based lubricating greases, highly non-flammable hydraulic fluids HFA, HFB, HFC acc. to VDMA 24317

Function

The SNI 24 u-ring is a single-acting rod seal with an asymmetrical cross section design. Due to the indented inner seal lip, the prestress is led inwards to strengthen the sealing function even with low pressures.

Installation

U-rings can be installed in both solid and split housings. Please note for a solid housing application a minimum width is necessary and suitable installation tools may be required.

Remarks

U-rings made of NBR are primarily used with low pressures as the seal lips are provided with radial prestress which is strengthened by the pressure of the system. Apart from applications in hydraulics, this NBR design can also be used in pneumatic applications. For special applications, different materials are also available.