

# Rod Seal XSR S04

## Function:

Rod seals are designed to seal the pressurized hydraulic fluid against the atmosphere, preventing leakage and pollution of the environment.

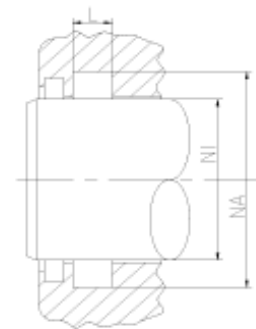
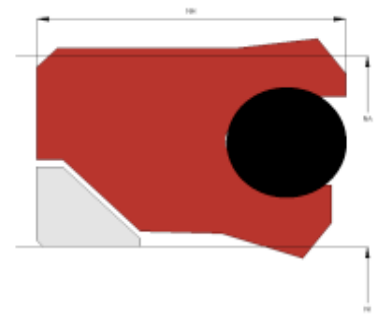
## Features:

- Asymmetrical, single acting rod seal, designed with interference on the OD which provides a good static fit in the groove.
- Dynamic sealing lip shorter than static lip to avoid drag pressure.
- Increased preload due to an additional O-Ring.
- Activated back-up ring prevents and reduces gap extrusion.
- Excellent static and dynamic sealing performance.
- Excellent performance in all pressure ranges.
- Used for short, pulsating strokes.
- No reverse leakage when changing direction.
- Recommended for positioning or holding under pressure.

## Application:

Reciprocating rods in hydraulic cylinders, plungers, push rods, fittings, etc.  
Switching or clamping functions.

Max. pressure 700 bar, max. speed 0.5 m/s.



## Seal housing recommendation:

Tolerances	[mm]	
L < 10mm	+0.2	
L ≥ 10mm	+0.3	
Ø NA	H10	
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

## Installation:

Snap-in installation