

Rod Seal XSR02C

Function:

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

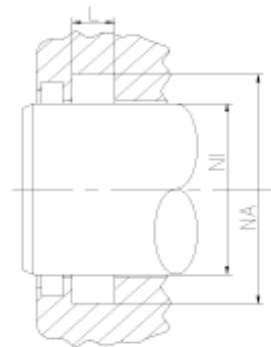
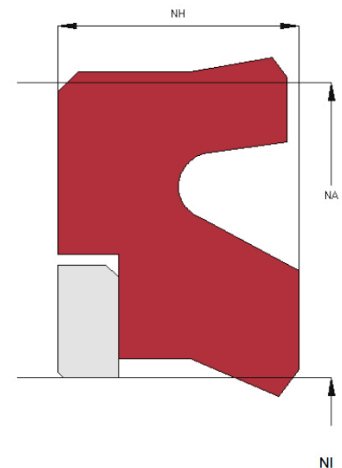
Features:

- Asymmetrical, single acting rod seal with anti extrusion ring, designed with interference on the OD which provides a good static fit in the groove.
- Primary seal in tandem arrangements of heavy duty applications.
- Thin and flexible static lip to enable pressure relief, built up between primary and secondary seal.
- Replacement for the primary O-Ring energised rod seals in tandem arrangements.
- Not recommended as single/main seal in sealing systems.
- Suitable for high pressure peaks at about 700 bar.
- Radial grooves on the sealing lip recommended to reduce any risk of „blow-by“.
- Useable for long stroke lengths.

Application:

Primary seal in tandem arrangements in hydraulic cylinders for construction machines, draulic excavators or earthmoving equipment.

Max. regular pressure 400 bar (peaks up to 700bar), max. speed 1 m/s, depending on material selection.



Seal housing recommendation:

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