

Rod Seal XSRS20

Function:

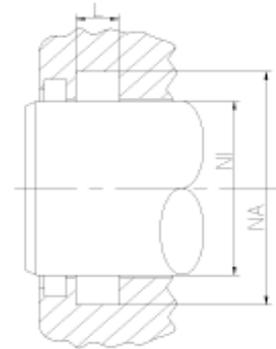
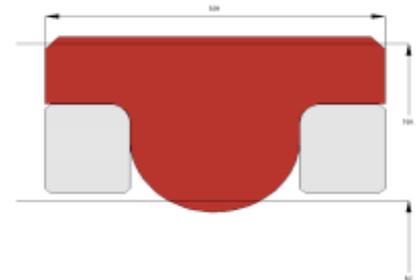
Rod seals are designed to seal the pressurized hydraulic fluid against the atmosphere, preventing leakage and pollution of the environment.

Features:

- Asymmetrical, double acting compact rod seal, designed with interference on the OD which provides a good static fit in the groove.
- Excellent static and dynamic sealing performance.
- Excellent performance in low pressure conditions.
- Negligible tendency to “stick-slip” effect.
- High break-away load after long standstills.
- Activated back-up rings reduce gap extrusion and prevent twisting of the seal in the groove.

Application:

Reciprocating rods in hydraulic cylinders, plungers.
Static and dynamic seals in hydraulic systems, replacement for O-Rings (no twisting or pumping).
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.