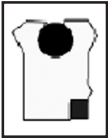


PU : ROD SEAL FOR HIGH PRESSURE HYDRAULIC APPLICATION



Features :

Rod Seal profile is a single acting U cup type seal with energize and anti extrusion polyamide ring for very high pressure and heavy duty application.

Composition :

Main seal Polyurethane.
Energizer O Ring NBR 70.
Anti extrusion ring Polyamide.

Properties :

High resistance to abrasion, Easy installation, Anti-extrusion ring prevent extrusion in high pressure conditions.

Application :

Mobile Hydraulics, Injection molding machines, Machine tools, Agricultural equipment, Construction machineries, Standard cylinders.

General Technical Data :

Working Pressure: Up to 400 Bar
Temperature range: -30 to 110°C
Surface Speed: 0.5 m/s.

Surface finish :

Roughness depth R max R a
Sliding surface = $\leq 2,5 \mu\text{m}$ 0,05-0,3 μm
Bottom of groove = $\leq 6,3 \mu\text{m}$ = $\leq 1,6 \mu\text{m}$
Sides of groove = $\leq 15 \mu\text{m}$ = $\leq 3 \mu\text{m}$

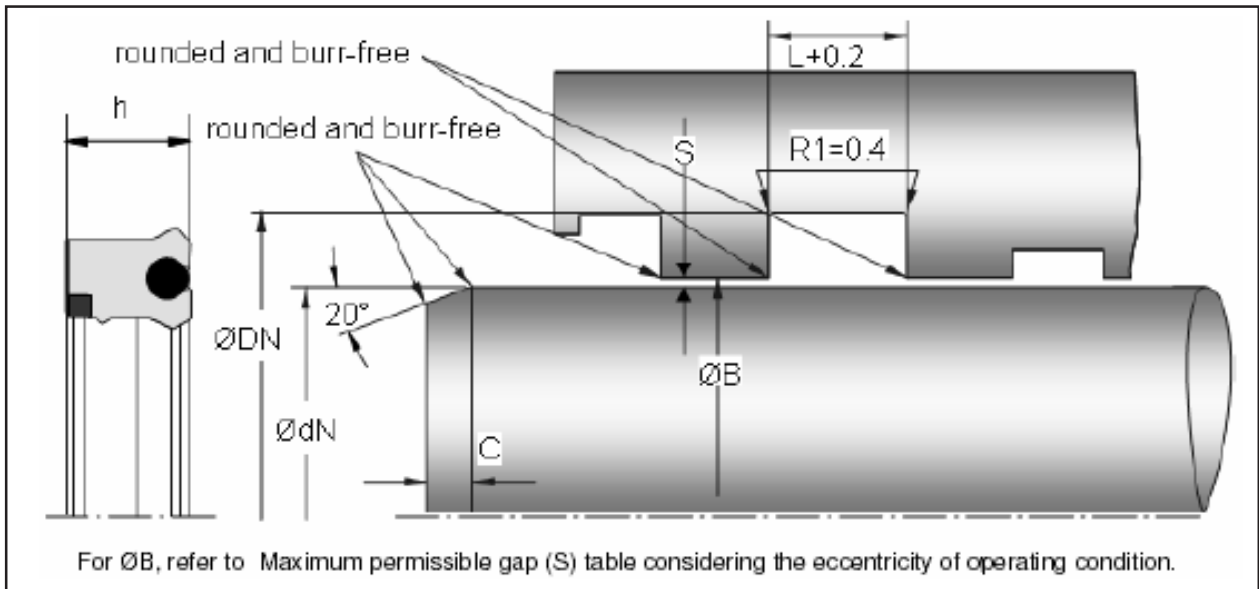
Extrusion Gap dimension :

The gap dimension on the non-pressurised side of the seal is decisive for sealing function. Figures show the maximum permissible gap all on one side using the maximum clearance \emptyset and min rod \emptyset .

Maximum permissible gap (S)
160 bar 260 bar 320 bar 400 bar
0.5 0.4 0.35 0.3

Minimum chamfer C :

DN - dN Up to 8 8.1 to10 10.1 to 15 15.1 to 20 20.1 to 25 25.1 and above
C 4.0 4.5 6.0 7.5 8.0 10.0



dN	DN	h	H+0.2
40.0	55.0	11.4	12.5
45.0	60.0	11.4	12.5
50.0	65.0	11.4	12.5
60.0	75.0	11.4	12.5
63.0	78.0	11.4	12.5
65.0	80.0	11.4	12.5
70.0	85.0	11.4	12.5

Note : Prices for above seals will be available on request.