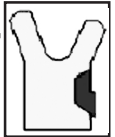


**PU: ROD SEAL FOR HYDRAULIC APPLICATION**



**Features :**

Rod seal profile is a single acting U cup type seal commonly in use.

**Composition :**

Main seal Polyurethane. Second seal ring PTFE+ Bronze

**Properties :**

High resistance to abrasion, Easy installation, Second seal ring take load in high pressure conditions.

**Application :**

Mobile Hydraulics, Injection molding machines, Machine tools, Agricultural equipment, 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 = ≤ 2,5 µm 0,05-0,3 µm

Bottom of groove = ≤ 6,3 µm = ≤ 1,6 µm

Sides of groove = ≤ 15 µm = ≤ 3 µm

**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 Ø and min rod Ø.

Maximum permissible gap (S)

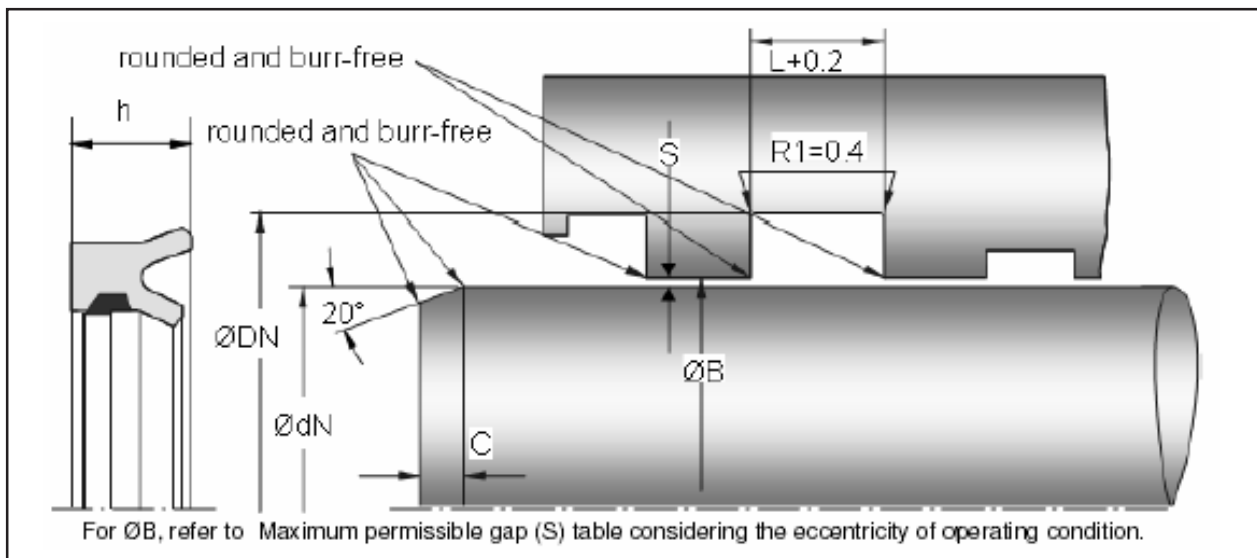
160 bar 260 bar 320 bar 400 bar

0.5 0.4 0.35 0.3

**Minimum chamfer C :**

DN - dN Up to 8 8.1 to 10 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 x DN x h x H+0.2	dN x DN x h x H+0.2	dN x DN x h x H+0.2	dN x DN x h x H+0.2	dN x DN x h x H+0.2	dN x DN x h x H+0.2
14 x 22 x 7 x 7.5	30 x 38 x 7 x 7.5	50 x 60 x 10 x 11	75 x 90 x 12 x 13	105 x 120 x 12 x 13	170 x 190 x 16 x 17
16 x 24 x 7 x 7.5	32 x 40 x 7 x 7.5	55 x 65 x 10 x 11	80 x 95 x 12 x 13	110 x 125 x 12 x 13	175 x 195 x 16 x 17
18 x 26 x 7 x 7.5	35 x 43 x 7 x 7.5	56 x 71 x 12 x 13	85 x 100 x 12 x 13	120 x 140 x 16 x 17	180 x 200 x 16 x 17
20 x 28 x 7 x 7.5	36 x 44 x 8 x 8.5	60 x 75 x 12 x 13	90 x 105 x 12 x 13	125 x 145 x 16 x 17	200 x 220 x 16 x 17
22 x 30 x 7 x 7.5	40 x 48 x 8 x 8.5	63 x 78 x 12 x 13	95 x 110 x 12 x 13	140 x 160 x 16 x 17	
25 x 33 x 7 x 7.5	42 x 50 x 8 x 8.5	65 x 80 x 12 x 13	100 x 115 x 12 x 13	150 x 170 x 16 x 17	
28 x 36 x 7 x 7.5	45 x 55 x 10 x 11	70 x 85 x 12 x 13	100 x 120 x 14 x 15	160 x 180 x 16 x 17	

**Note :**

Prices for above seals will be available on request.

dN - means Inner Dia of the Rod Seal.

DN - means Outer Dia of the Rod Seal.

h/H - means Hight (Thickness) of the Rod Seal.

**Gurudev Says :**

Hide your dissipation and express your love,  
Hide dissipation in your heart like the roots of a tree and express love like a ripe fruit.

Sri Sri Ravishankar