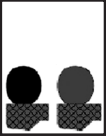


ROD COMPOSITE SEAL



Features :

Rod seal profile consists of two piece seal set for sealing rod with one seal ring and one energizer O-ring.

Material :

Seal Ring: Material PTFE+ Bronze +MoS2 PTFE+ Bronze +MoS2 Seal Ring

O-Ring: Nitrile Butadiene rubber (NBR) Fluoro Carbon Rubber (FPM)

Properties :

Low friction, Free of stick slip, High abrasion resistance, Wide temperature Range, Good thermal conductivity, Low wear and high extrusion resistance, Wide fluid application range, Resistance against cold flow.

Application : Mobile Hydraulics, Injection molding machines, Machine tools, Material Handling Equipments.

General Technical Data :

Temperature range -30 to 100°C -10 °C to + 200 °C

Working Pressure Up to 400 bar

Surface Speed 4 m/s.

Surface finish :

Roughness depth R(max) Ra

Sliding surface $\leq 2.5 \mu\text{m}$ 0.05-0.3 μm

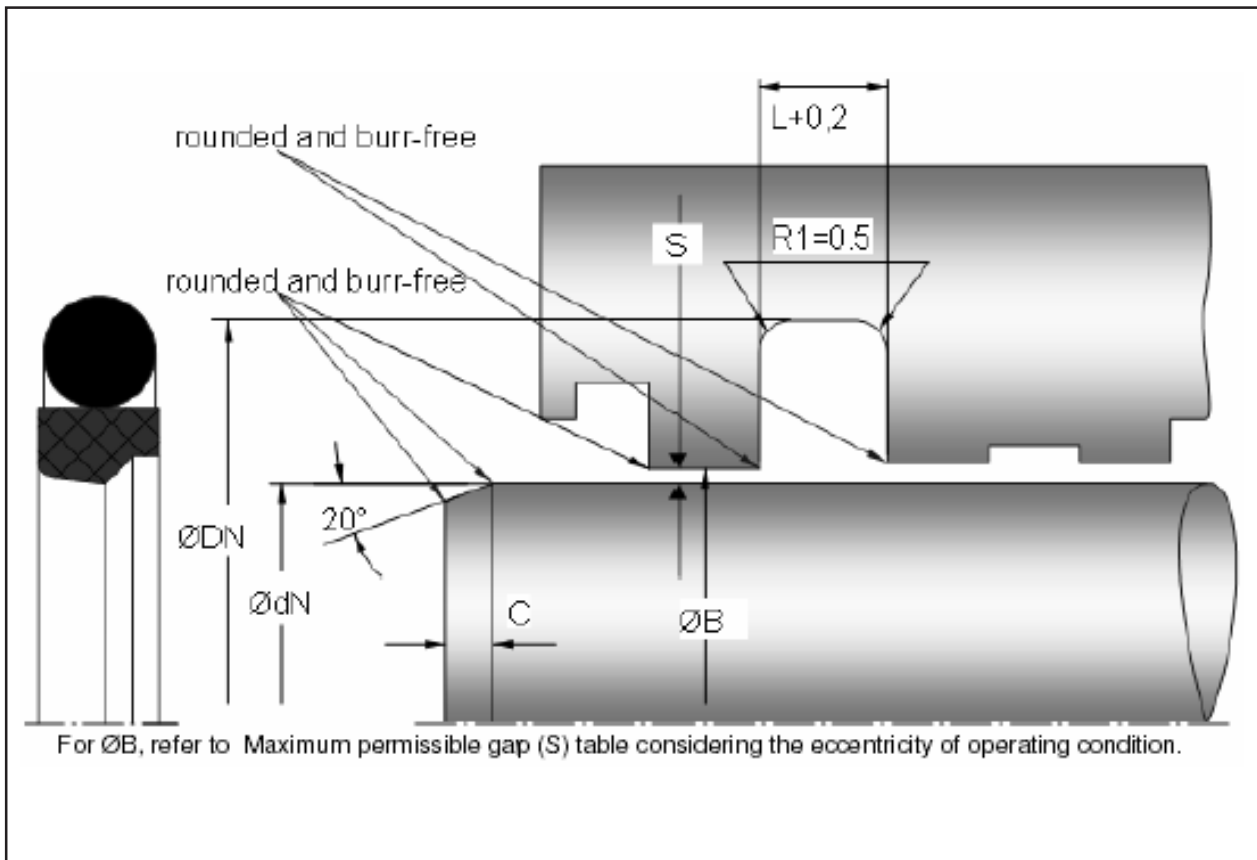
Bottom of groove $\leq 6.3 \mu\text{m}$ $\leq 1.6 \mu\text{m}$

Side 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 .

Profile dimension Maximum permissible gap (S) (mm)

L (mm) 160 bar 260 bar 320 bar 400 bar.



ROD COMPOSITE SEAL

SIZES IN MM

dN x DN x L(+0.2)	O-RING SIZE	PRICE PER NO.	dN x DN x L(+0.2)	O-RING SIZE	PRICE PER NO.	dN x DN x L(+0.2)	O-RING SIZE	PRICE PER NO.
4 x 8.9 x 2.2		120.00	60 x 70.7 x 4.2	63.09 x 3.53	456.00	155 x 170.1 x 6.3	158.12 x 5.33	1,350.00
5 x 9.9 x 2.2		120.00	60 x 75.1 x 6.3	66.04 x 5.33	513.00	160 x 175.1 x 6.3	164.47 x 5.33	1,350.00
6 x 10.9 x 2.2	7.95 x 1.78	135.00	63 x 73.7 x 4.2		480.00	165 x 6.3		1,542.00
7 x 11.9 x 2.2		150.00	63 x 78.1 x 6.3	69.22 x 5.33	567.00	170 x 185.1 x 6.3	175.02 x 5.33	1,431.00
8 x 12.9 x 2.2	9.50 x 1.80	135.00	65 x 75.7 x 4.2	69.44 x 3.53	567.00	175 x 190.1 x 6.3	179.30 x 5.33	1,539.00
8 x 15.3 x 3.2		150.00	65 x 80.1 x 6.3	69.22 x 5.33	567.00	180 x 195.1 x 6.3	183.52 x 5.33	1,539.00
10 x 17.3 x 3.2	10.77 x 2.62	180.00	68 x 83.1 x 6.3	72.39 x 5.33	621.00	180 x 200.5 x 8.1	189.87 x 6.99	2,241.00
12 x 16.9 x 2.2	12.42 x 1.78	180.00	70 x 85.1 x 6.3	75.57 x 5.33	621.00	185 x 200.1 x 6.3		1,722.00
12 x 19.3 x 3.2	13.94 x 2.62	135.00	75 x 90.1 x 6.3	81.92 x 5.33	675.00	190 x 205.5 x 6.3	196.22 x 5.33	1,620.00
14 x 21.3 x 3.2	17.12 x 2.62	135.00	78 x 93.1 x 6.3	85.09 x 5.33	702.00	195 x 210.1 x 6.3		1,848.00
15 x 22.3 x 3.2		150.00	80 x 95.1 x 6.3	85.09 x 5.33	702.00	200 x 215.1 x 6.3	202.57 x 5.33	1,848.00
16 x 23.3 x 3.2	18.72 x 2.62	135.00	85 x 100.1 x 6.3	91.44 x 5.33	729.00	200 x 220.5 x 8.1	208.5 x 6.99	2,457.00
18 x 25.3 x 3.2	20.29 x 2.62	162.00	88 x 103.1 x 6.3	94.62 x 5.33	756.00	205 x 225.5 x 8.1		2,790.00
18 x 28.7 x 4.2	20.22 x 3.53	162.00	90 x 105.1 x 6.3	94.62 x 5.33	756.00	210 x 230.5 x 8.1	215.27 x 6.99	2,646.00
20 x 27.3 x 3.2	21.89 x 2.62	162.00	95 x 110.1 x 6.3	100.97 x 5.33	810.00	215 x 235.5 x 8.1	221.86 x 6.99	2,646.00
20 x 30.7 x 4.2	23.40 x 3.53	162.00	98 x 113.1 x 6.3	104.17 x 5.33	864.00	220 x 240.5 x 8.1	227.97 x 6.99	2,754.00
22 x 32.7 x 4.2	26.58 x 3.53	189.00	100 x 115.1 x 6.3	107.32 x 5.33	864.00	225 x 245.5 x 8.1	234.32 x 6.99	2,835.00
25 x 35.7 x 4.2	29.75 x 3.53	189.00	105 x 120.1 x 6.3	110.49 x 5.33	891.00	230 x 250.5 x 8.1	240.67 x 6.99	2,916.00
28 x 35.3 x 3.2	29.82 x 2.62	189.00	108 x 123.1 x 6.3	113.67 x 5.33	918.00	240 x 260.5 x 8.1	247.00 x 6.99	3,078.00
28 x 38.7 x 4.2	32.92 x 3.53	216.00	110 x 125.1 x 6.3	116.84 x 5.33	918.00	250 x 270.5 x 8.1	259.70 x 6.99	3,240.00
30 x 40.7 x 4.2	34.52 x 3.53	216.00	110 x 130.5 x 8.1	116.84 x 6.99	1,539.00	260 x 284 x 8.1	266.07 x 6.99	4,590.00
32 x 42.7 x 4.2	36.09 x 3.53	243.00	115 x 130.1 x 6.3	120.02 x 5.33	945.00	270 x 294 x 8.1	278.77 x 6.99	4,806.00
35 x 45.7 x 4.2	37.69 x 3.53	243.00	118 x 133.1 x 6.3	123.19 x 5.33	1,026.00	280 x 304 x 8.1	291.47 x 6.99	5,022.00
36 x 46.7 x 4.2	40.87 x 3.53	243.00	120 x 135.1 x 6.3	126.37 x 5.33	1,026.00	290 x 314 x 8.1		5,370.00
38 x 48.7 x 4.2	42.08 x 3.53	270.00	120 x 140.5 x 8.1	129.54 x 6.99	1,674.00	300 x 324 x 8.1	316.87 x 6.99	5,427.00
38 x 53.1 x 6.3	43.82 x 5.33	354.00	125 x 140.1 x 6.3	132.72 x 5.33	1,728.00	303.8 x 327.8 x 8.1	316.87 x 6.99	5,427.00
40 x 50.7 x 4.2	44.04 x 3.53	270.00	125 x 145.5 x 8.1	132.72 x 6.99	1,728.00	310 x 334 x 8.1		6,750.00
40 x 55.1 x 6.3	43.82 x 5.33	351.00	128 x 143.1 x 6.3	132.72 x 5.33	1,728.00	320 x 344 x 8.1	329.57 x 6.99	7,350.00
42 x 52.7 x 4.2	44.04 x 3.53	351.00	130 x 145.1 x 6.3	135.89 x 5.33	1,107.00	330 x 354 x 8.1		8,100.00
42 x 57.1 x 6.3	46.99 x 5.33	402.00	130 x 150.5 x 8.1	139.07 x 6.99	1,782.00	340 x 354 x 8.1	354.97 x 6.99	8,100.00
45 x 55.7 x 4.2	50.39 x 3.53	297.00	135 x 150.1 x 6.3	139.07 x 5.33	1,161.00	340 x 364 x 8.1		8,730.00
45 x 60.1 x 6.3	50.17 x 5.33	405.00	136 x 151.1 x 6.3	142.24 x 5.33	1,188.00	350 x 374 x 8.1	367.67 x 6.99	9,180.00
50 x 60.7 x 4.2	53.57 x 3.53	297.00	138 x 153.1 x 6.3	142.24 x 5.33	1,188.00	360 x 384 x 8.1	374.92 x 6.99	10,500.00
50 x 65.1 x 6.3	56.52 x 5.33	432.00	140 x 155.1 x 6.3	145.42 x 5.33	1,188.00	370 x 394 x 8.1		11,250.00
55 x 65.7 x 4.2	59.92 x 3.53	426.00	140 x 160.5 x 8.1	148.59 x 6.99	1,728.00	380 x 404 x 8.1		11,970.00
55 x 70.1 x 6.3	59.69 x 5.33	513.00	145 x 160.1 x 6.3	151.77 x 5.33	1,242.00	390 x 414 x 8.1		12,750.00
56 x 66.7 x 4.2	59.92 x 3.53	513.00	150 x 165.1 x 6.3	154.50 x 5.33	1,269.00	400 x 424 x 8.1	417.96 x 6.99	13,770.00
56 x 71.1 x 6.3	62.87 x 5.33	513.00	150 x 170.5 x 8.1	158.12 x 6.99	1,863.00			

Note :

All above prices are profile with N (Nitrile). Prices for F (FKM) are available on request.

dN - means Inner Dia of the Rod Composite Seal.

DN - means Outer Dia of the Rod Composite Seal.

L - means Height (Thickness) of the Rod Composite Seal.



Gurudev Says :

God is not an object of senses but the feeling of feelings, the Presence of presence, the sound of silence, the light of life, the essence of the world and... a taste of bliss!

Sri Sri Ravishankar