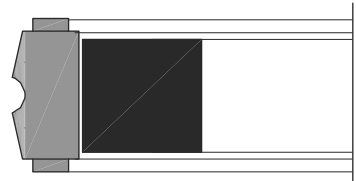


SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

PISTON SEAL

PS096



Features:

Piston seal profile PS096 consists of two piece seal set for sealing pistons with one polyurethane seal ring and one energizer square ring.

Composition:

Sealing ring	Material	Polyurethane
	Code	PU98A
Square Ring	Material	Nitrile Butadiene rubber (NBR)
	Code	NBR78
Working Temperature Range Medium : Hydraulic Oil		-20°C. to +100°C.

Properties:

- 1 High abrasion resistance.
- 1 Low wear and high extrusion resistance.
- 1 Easy installation.

Application:

- Ø Mobile Hydraulics
- Ø Injection moulding machines
- Ø Machine tools
- Ø Material Handling Equipments.
- Agricultural equipments

General Technical Data:

Working Pressure (max.)	400 Bar
Temperature range (max.)	-20°C to 100°C
Surface Speed (max.)	0.5 m/s.

Surface finish:

Roughness depth	R(max)	Ra
Sliding surface	£ 2.5 µm	0.05-0.3 µm
Bottom of groove	£ 6.3 µm	£ 1.6 µm
Side of groove	£ 15 µm	£ 3µm

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Gap dimension:

The gap dimension on the non-pressurised side of the seal is decisive for sealing function.

Profile dimension	Maximum permissible gap (S)			
H	16 Mpa	26 Mpa	32 Mpa	35 Mpa
2,2	0,25	0,20	-	-
3,2	0,30	0,20	-	-
4,2	0,40	0,30	0,20	-
6,3	0,50	0,40	0,30	0,25
8,1	0,60	0,50	0,40	0,30
10.5	0,65	0,55	0,45	0,40

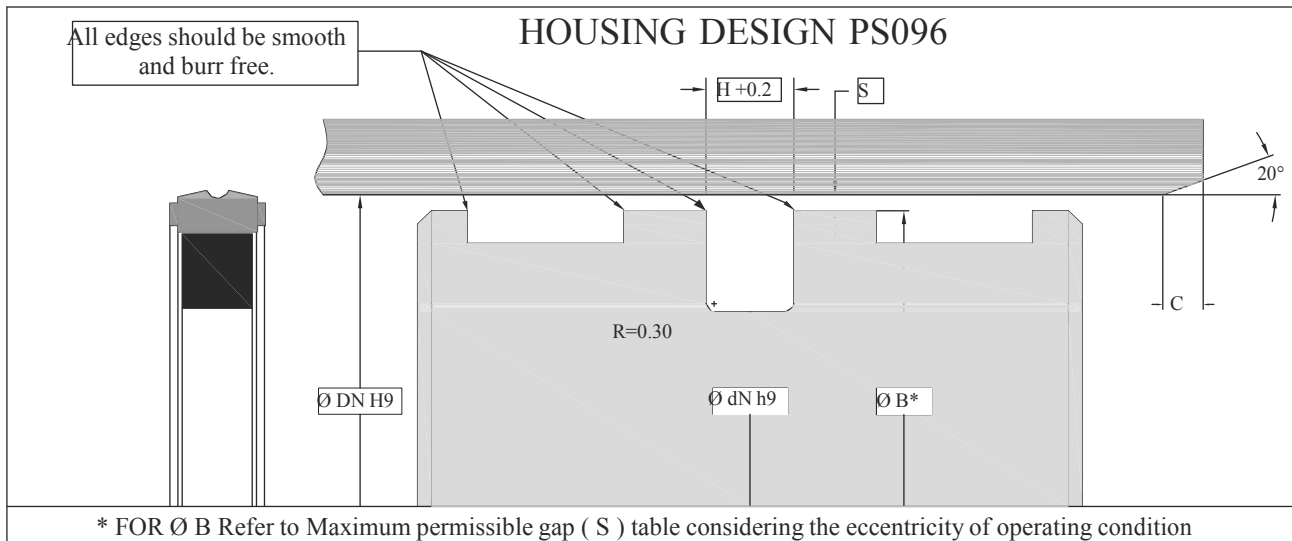
Installation:

PS096 piston seals can be fitted on single-piece pistons. First insert the rubber square ring into the housing carefully to avoid twisting of square ring. The polyurethane ring is then carefully pushed over the piston into place above the square Ring. The polyurethane seal normally returns to its original size after installation.

We have given all metric(mm) sizes here. For Imperial (inch) sizes please contact SHREENATHJI at info@shreenathjiandco.com

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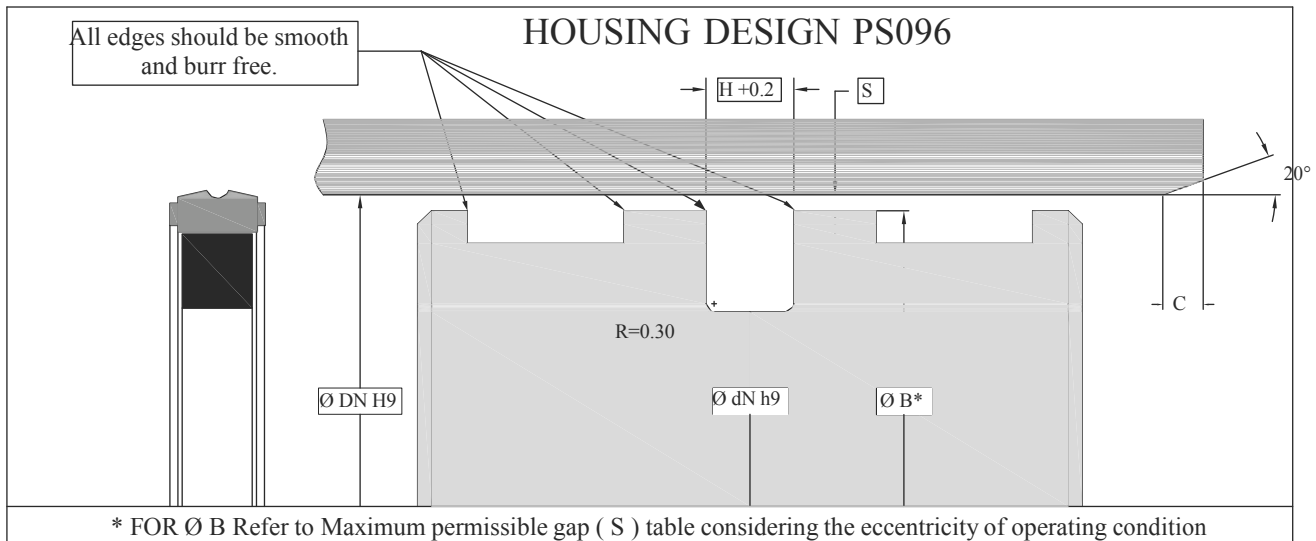


OUR STANDARD SIZE LIST

$\varnothing DN$	TOL.(H9)	$\varnothing dN$	TOL.(h9)	$H(+0.2)$	C	ORDER CODE
25.00	+0.000 +0.052	17.50	-0.000 -0.043	3.2	2	PS096-N-0250-0175-032
30.00	+0.000 +0.052	22.50	-0.000 -0.052	3.2	2	PS096-N-0300-0225-032
32.00	+0.000 +0.062	24.50	-0.000 -0.052	3.2	2	PS096-N-0320-0245-032
40.00	+0.000 +0.062	29.00	-0.000 -0.052	4.2	2.5	PS096-N-0400-0290-042
45.00	+0.000 +0.062	34.00	-0.000 -0.062	4.2	2.5	PS096-N-0450-0340-042
50.00	+0.000 +0.062	39.00	-0.000 -0.062	4.2	2.5	PS096-N-0500-0390-042
60.00	+0.000 +0.074	44.50	-0.000 -0.062	6.3	3	PS096-N-0600-0445-063
63.00	+0.000 +0.074	47.50	-0.000 -0.062	6.3	3	PS096-N-0630-0475-063
65.00	+0.000 +0.074	52.00	-0.000 -0.074	6.3	3	PS096-N-0650-0520-063
65.00	+0.000 +0.074	49.50	-0.000 -0.074	6.3	3	PS096-N-0650-0495-063
70.00	+0.000 +0.074	54.50	-0.000 -0.074	6.3	4	PS096-N-0700-0545-063
75.00	+0.000 +0.074	62.00	-0.000 -0.074	6.3	3	PS096-N-0750-0620-063
75.00	+0.000 +0.074	59.50	-0.000 -0.074	6.3	4	PS096-N-0750-0595-063
80.00	+0.000 +0.074	64.50	-0.000 -0.074	6.3	4	PS096-N-0800-0645-063
90.00	+0.000 +0.087	74.50	-0.000 -0.074	6.3	4	PS096-N-0900-0745-063

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SEALS FOR HYDRAULICS & PNEUMATICS



OUR STANDARD SIZE LIST

ØDN	TOL.(H9)	Ødn	TOL.(h9)	H(+0.2)	C	ORDER CODE
100.00	+0.000 +0.087	79.00	-0.000 -0.087	8.1	5	PS096-N-1000-0790-081
110.00	+0.000 +0.087	89.00	-0.000 -0.087	8.1	5	PS096-N-1100-0890-081
120.00	+0.000 +0.087	99.00	-0.000 -0.087	8.1	5	PS096-N-1200-0990-081
125.00	+0.000 +0.087	104.00	-0.000 -0.087	8.1	5	PS096-N-1250-1040-081
130.00	+0.000 +0.100	109.00	-0.000 -0.087	8.1	5	PS096-N-1300-1090-081
140.00	+0.000 +0.100	119.00	-0.000 -0.087	8.1	5	PS096-N-1400-1190-081
140.00	+0.000 +0.100	119.00	-0.000 -0.087	10.5	7	PS096-N-1400-1190-105
150.00	+0.000 +0.100	129.00	-0.000 -0.100	8.1	5	PS096-N-1500-1290-081
150.00	+0.000 +0.100	129.00	-0.000 -0.100	10.5	7	PS096-N-1500-1290-105
160.00	+0.000 +0.100	139.00	-0.000 -0.100	8.1	5	PS096-N-1600-1390-081
170.00	+0.000 +0.100	149.00	-0.000 -0.100	8.1	5	PS096-N-1700-1490-081
180.00	+0.000 +0.100	159.00	-0.000 -0.100	8.1	5	PS096-N-1800-1590-081
200.00	+0.000 +0.115	179.00	-0.000 -0.010	8.1	5	PS096-N-2000-1790-081