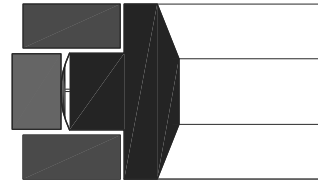


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SEALS FOR HYDRAULICS & PNEUMATICS

PISTON SEAL

PS032



Features:

Piston seal profile PS032 consists of four piece seal set with one main sealing component, one T shaped energizer ring and two anti-extrusion ring which support the seal on both sides and prevent contamination to the energizer and main seal ring.

Composition:

Component	Sealing Ring	Backup Rings	Energizer T Ring
Material	Modified PTFE+Bronze+Glass+MoS2	Polyamide	Nitrile Butadiene Rubber(NBR)
Code	TG20B20M	PA6600	NBR80
Hardness	69° Shore D	80° Rockwell M	80° Shore A

Properties:

- 1 Double acting
- 1 Allow large radial gaps due to backup rings
- 1 Very good extrusion reliability
- 1 High resistance to abrasion
- 1 Low friction, free of stick-slip
- 1 High contact pressure through rubber profile ring
- 1 No extrusion into the radial sealing gap
- 1

Application:

- Ø Mobile Hydraulics
- Ø Machine tools
- Ø Agricultural equipment
- Ø Standard cylinders

General technical data:

Working Pressure (max.)	500 Bar
Temperature range	-20°C to 100°C
Surface Speed (max.)	1.5 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 largest gap dimension appearing in operation 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 minimum clearance Ø and max bore Ø.

Profile dimension	Maximum permissible gap (S)				
H	160 bar	260 bar	320 bar	400 bar	500 bar
9	0,8	0,7	0,5	0,4	0,32
11	1,2	1,0	0,65	0,5	0,4
12.5	1,2	1,0	0,65	0,5	0,4
16	1,8	1,4	0,9	0,7	0,5
17.5	1,8	1,4	0,9	0,7	0,5

Fitting :

PS032 is very easy to fit. Careful fitting of the seal is a prerequisite for it's perfect functioning.

Ordering format :

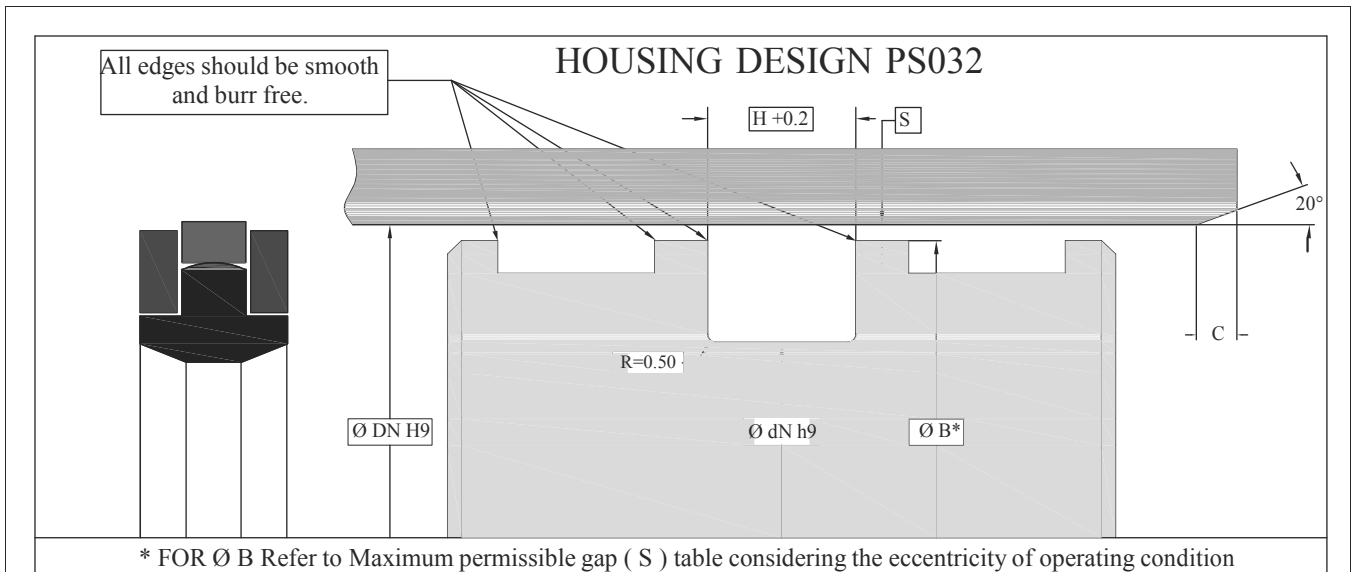
Please mention SHREENATHJI order code in your order.

Example: Size 50 X 36 X 9 order code is PS032-N-0500-0360-090

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

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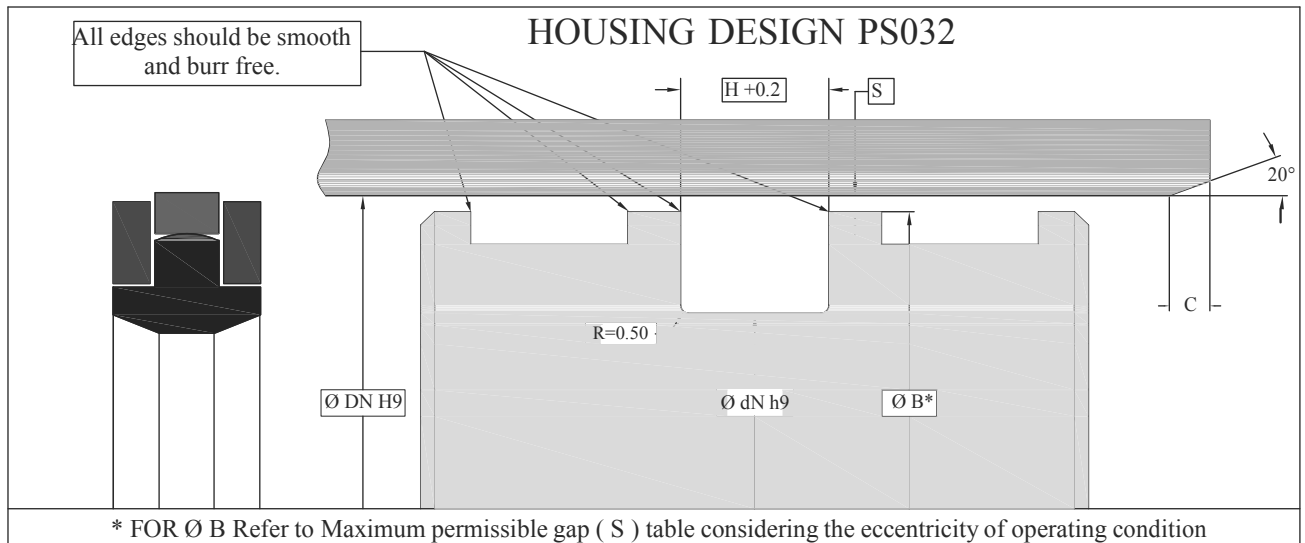


OUR STANDARD SIZE LIST

DN	TOL.H9	dN	TOL.h9	H+0.2	C	ORDER CODE
50	+0.000 +0.062	36	-0.000 -0.062	9.0	4.0	PS032-N-0500-0360-090
60	+0.000 +0.074	46	-0.000 -0.062	9.0	4.0	PS032-N-0600-0460-090
63	+0.000 +0.074	48	-0.000 -0.062	11.0	5.0	PS032-N-0630-0480-110
65	+0.000 +0.074	50	-0.000 -0.062	11.0	5.0	PS032-N-0650-0500-110
70	+0.000 +0.074	55	-0.000 -0.074	11.0	5.0	PS032-N-0700-0550-110
75	+0.000 +0.074	60	-0.000 -0.074	11.0	5.0	PS032-N-0750-0600-110
80	+0.000 +0.074	65	-0.000 -0.074	11.0	5.0	PS032-N-0800-0650-110
85	+0.000 +0.087	70	-0.000 -0.074	11.0	5.0	PS032-N-0850-0700-110
90	+0.000 +0.087	75	-0.000 -0.074	11.0	5.0	PS032-N-0900-0750-110
95	+0.000 +0.087	80	-0.000 -0.074	11.0	5.0	PS032-N-0950-0800-110
100	+0.000 +0.087	85	-0.000 -0.087	12.5	6.5	PS032-N-1000-0850-125
105	+0.000 +0.087	90	-0.000 -0.087	12.5	6.5	PS032-N-1050-0900-125
110	+0.000 +0.087	95	-0.000 -0.087	12.5	6.5	PS032-N-1100-0950-125
115	+0.000 +0.087	100	-0.000 -0.087	12.5	6.5	PS032-N-1150-1000-125
120	+0.000 +0.087	105	-0.000 -0.087	12.5	6.5	PS032-N-1200-1050-125
125	+0.000 +0.100	102	-0.000 -0.087	16.0	6.5	PS032-N-1250-1020-160

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SEALS FOR HYDRAULICS & PNEUMATICS

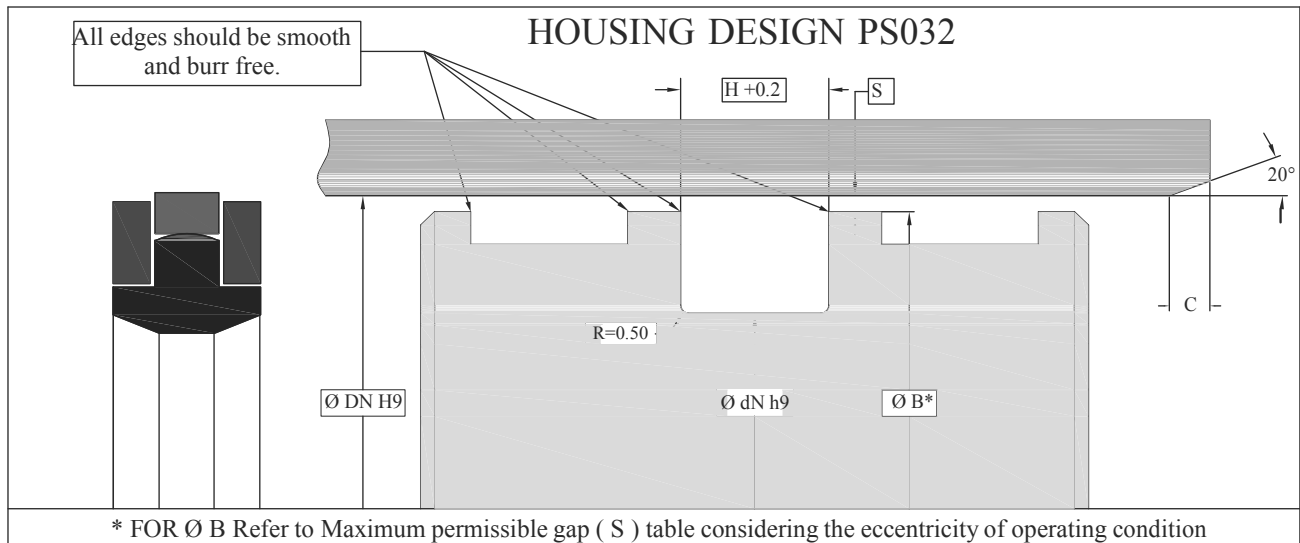


OUR STANDARD SIZE LIST

DN	TOL.H9	dN	TOL.h9	H+0.2	C	ORDER CODE
130	+0.000 +0.100	107	-0.000 -0.087	16.0	6.5	PS032-N-1300-1070-160
135	+0.000 +0.100	112	-0.000 -0.087	16.0	6.5	PS032-N-1350-1120-160
140	+0.000 +0.100	117	-0.000 -0.087	16.0	6.5	PS032-N-1400-1170-160
145	+0.000 +0.100	122	-0.000 -0.100	16.0	6.5	PS032-N-1450-1220-160
150	+0.000 +0.100	127	-0.000 -0.100	16.0	6.5	PS032-N-1500-1270-160
155	+0.000 +0.100	132	-0.000 -0.100	16.0	6.5	PS032-N-1550-1320-160
160	+0.000 +0.100	137	-0.000 -0.100	16.0	6.5	PS032-N-1600-1370-160
165	+0.000 +0.115	142	-0.000 -0.100	16.0	6.5	PS032-N-1650-1420-160
170	+0.000 +0.100	147	-0.000 -0.100	16.0	6.5	PS032-N-1700-1470-160
180	+0.000 +0.100	157	-0.000 -0.100	16.0	6.5	PS032-N-1800-1570-160
185	+0.000 +0.115	162	-0.000 -0.100	16.0	6.5	PS032-N-1850-1620-160
190	+0.000 +0.115	167	-0.000 -0.100	16.0	6.5	PS032-N-1900-1670-160
195	+0.000 +0.115	182	-0.000 -0.100	16.0	6.5	PS032-N-1950-1820-160
200	+0.000 +0.115	177	-0.000 -0.100	16.0	6.5	PS032-N-2000-1770-160
210	+0.000 +0.115	187	-0.000 -0.115	16.0	6.5	PS032-N-2100-1870-160
215	+0.000 +0.115	192	-0.000 -0.115	16.0	6.5	PS032-N-2150-1920-160
220	+0.000 +0.115	197	-0.000 -0.115	16.0	6.5	PS032-N-2200-1970-160

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OUR STANDARD SIZE LIST

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