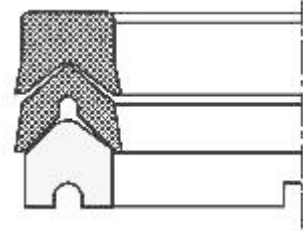


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SEALS FOR HYDRAULICS & PNEUMATICS

PISTON SEAL

PS048



Features:

Pistons seal profile PS048 is a seal set consist of one or more chevron ring with a header and pressure ring.

Composition:

Seal Profile	PS048-N		PS048-F	
	Material	Code	Material	Code
Header ring	Fabric+ NBR	NBRCF	Fabric + FPM	FPMCF
Chevron ring(fabric)	Fabric+ NBR	NBRCF	Fabric + FPM	FPMCF
Pressure ring type-1	Fabric + NBR	NBRCF	Fabric + FPM	FPMCF
Pressure ring type-2	Polyamide	PA6000	-	-

Properties:

- 1 High resistance to extrusion due to fabric reinforced header ring
- 1 Easy installation
- 1 Excellent sealing function
- 1 Long working life in extreme conditions

Application:

- Ø Mobile Hydraulics
- Ø Machine tools
- Ø Agricultural equipment
- Ø standard cylinders
- Ø hydraulic presses
- Ø iron and steel industry
- Ø marine hydraulics

General Technical Data:

Seal Profile	PS048-U	PS048-F
Temperature range	-20°C to +100°C	-15°C to +140 °C
Working Pressure(max.)	400 bar	400 bar
Surface Speed(max.)	0.5 m/s.	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
Sides of groove	£ 15 µm	£ 3 µm

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.

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Maximum permissible gap dimension (s)			
160 bar	260 bar	320 bar	400 bar
0.65	0.45	0.40	0.35

Fitting:

PS048 is very easy to fit. Careful fitting of the seal is a prerequisite for its perfect functioning.

Ordering format:

Please mention SHREENATHJI order code in your order. Example: Size 40 X 25 X 11.5

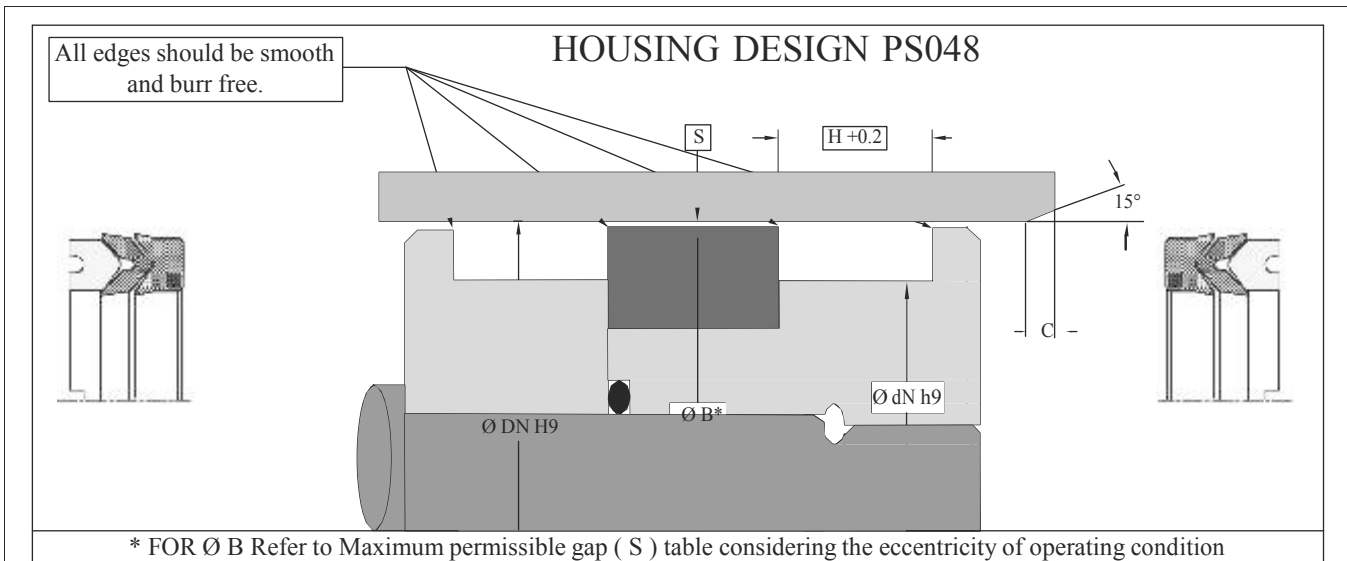
For Temp range: -20°C to +100°C Order code is PS048-N-0400-0250-115

For Temp range: -15°C to +140°C Order code is PS048-F-0400-0250-115

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

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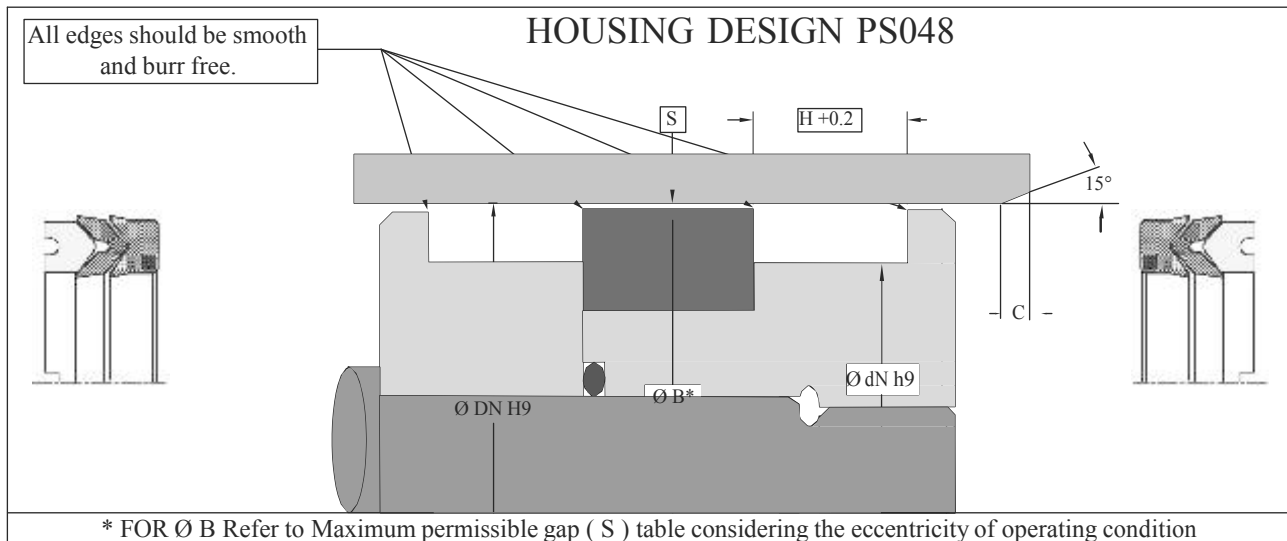


OUR STANDARD SIZE LIST

DN	TOL.H9	dN	TOL.h9	B	H+0.2	ORDER CODE For temp. range -20°C to +100°C use PS048-N -15°C to +140°C use PS048-F
40	+0.000 +0.062	25	-0.000 -0.052	39	11.5	PS048-N / F-0400-0250-115
45	+0.000 +0.062	30	-0.000 -0.052	44	11.5	PS048-N / F-0450-0300-115
50	+0.000 +0.062	35	-0.000 -0.062	49	11.5	PS048-N / F-0500-0350-115
56	+0.000 +0.074	41	-0.000 -0.062	55	11.5	PS048-N / F-0560-0410-115
60	+0.000 +0.074	45	-0.000 -0.062	59	11.5	PS048-N / F-0600-0450-115
63	+0.000 +0.074	48	-0.000 -0.062	62	13	PS048-N / F-0630-0480-130
70	+0.000 +0.074	50	-0.000 -0.062	69	15.2	PS048-N / F-0700-0500-152
80	+0.000 +0.074	60	-0.000 -0.074	79	15.2	PS048-N / F-0800-0600-152
90	+0.000 +0.087	70	-0.000 -0.074	89	21.2	PS048-N / F-0900-0700-212
100	+0.000 +0.087	80	-0.000 -0.074	99	21.2	PS048-N / F-1000-0800-212
110	+0.000 +0.087	90	-0.000 -0.087	109	21.2	PS048-N / F-1100-0900-212
115	+0.000 +0.087	95	-0.000 -0.087	114	21.2	PS048-N / F-1150-0950-212
125	+0.000 +0.100	100	-0.000 -0.087	124	25.8	PS048-N / F-1250-1000-258
140	+0.000 +0.100	115	-0.000 -0.087	139	25.8	PS048-N / F-1400-1150-258
150	+0.000 +0.100	120	-0.000 -0.087	148.5	29	PS048-N / F-1500-1200-290

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OUR STANDARD SIZE LIST

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