

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 COMBINATION	HEADER RING COMPOUND	CHEVRON V SEAL (FABRIC)	RUBBER V SEAL	PRESSURE RING	TEMP. RANGE	WORKING PRESSURE (Max.)	SURFACE SPEED (Max.)
PS048-01	FR51	FR51	NB10	FR51/PA04	-20 to 100°C	400 Bar	0.5 m/s
PS048-02	FR52	FR52	VT01	FR52	-15 to 140°C	400 Bar	0.5 m/s

For compound detail please refer Royal seal compounds. (Section - III)

Properties:

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

Application:

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

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

Extrusion gap dimension :

The gap dimension on the non-pressurised side of the seal is decisive for sealing function. Extrusion Gap as per Dia B in dimension table on next page.

Fitting:

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

Ordering format:

Please mention ROYAL order code in your order.

Example: Metric Size 40 X 25 X 11.5

For Temp range: -20°C to +100°C Order code is **PS048-M-01-040.00 X 025.00 X 11.50**

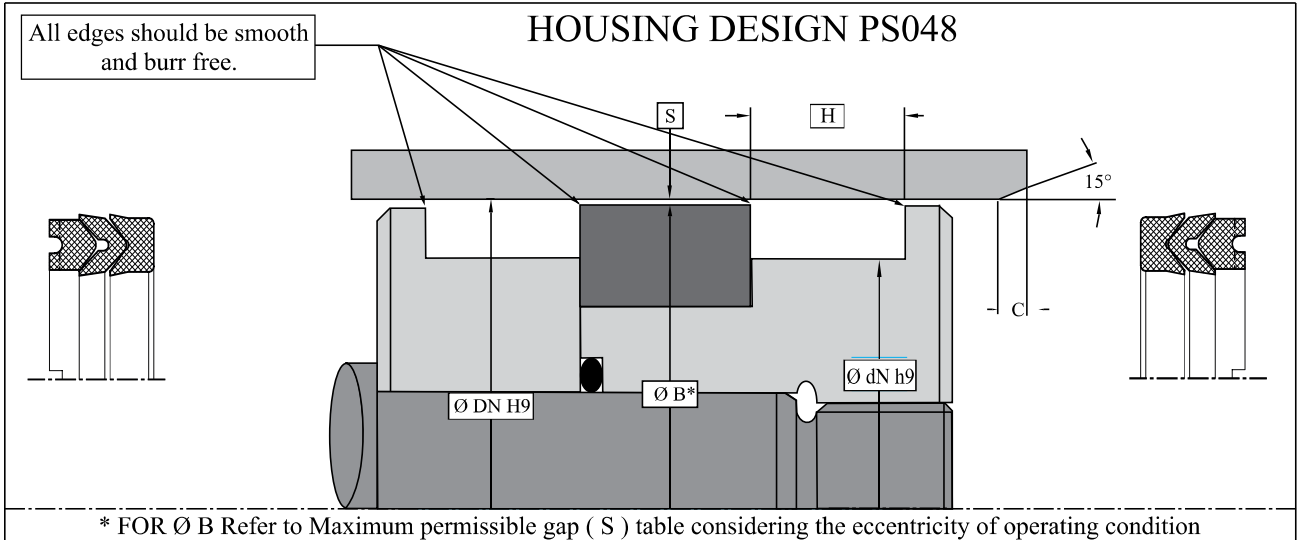
For Temp range: -15°C to +140°C Order code is **PS048-M-02-040.00 X 025.00 X 11.50**

Please contact ROYAL at info@royalcomposites.co.in / info@royalseals.co.in if your required size is not mentioned in Royal standard size list



ROYAL

SEALS FOR HYDRAULICS & PNEUMATICS



ROYAL STANDARD SIZE LIST

Ø DN (H9)	Ø dN (h9)	Ø B	H (+0.20)	C	ORDER CODE
40.00	25.00	39.00	11.50	5.00	PS048-M-01-040.00 X 025.00 X 11.50
45.00	30.00	44.00	11.50	5.00	PS048-M-01-045.00 X 030.00 X 11.50
50.00	35.00	49.00	11.50	5.00	PS048-M-01-050.00 X 035.00 X 11.50
56.00	41.00	55.00	11.50	5.00	PS048-M-01-056.00 X 041.00 X 11.50
60.00	45.00	59.00	11.50	5.00	PS048-M-01-060.00 X 045.00 X 11.50
63.00	48.00	62.00	13.00	5.00	PS048-M-01-063.00 X 048.00 X 13.00
70.00	50.00	69.00	15.20	7.50	PS048-M-01-070.00 X 050.00 X 15.20
80.00	60.00	79.00	15.20	7.50	PS048-M-01-080.00 X 060.00 X 15.20
90.00	70.00	89.00	21.20	7.50	PS048-M-01-090.00 X 070.00 X 21.20
100.00	80.00	99.00	21.20	7.50	PS048-M-01-100.00 X 080.00 X 21.20
110.00	90.00	109.00	21.20	7.50	PS048-M-01-110.00 X 090.00 X 21.20
115.00	95.00	114.00	21.20	7.50	PS048-M-01-115.00 X 095.00 X 21.20
125.00	100.00	124.00	25.80	10.00	PS048-M-01-125.00 X 100.00 X 25.80
140.00	115.00	139.00	25.80	10.00	PS048-M-01-140.00 X 115.00 X 25.80
150.00	120.00	148.50	29.00	10.00	PS048-M-01-150.00 X 120.00 X 29.00
160.00	130.00	158.50	29.00	10.00	PS048-M-01-160.00 X 130.00 X 29.00
180.00	150.00	178.50	31.50	10.00	PS048-M-01-180.00 X 150.00 X 31.50
200.00	170.00	198.50	33.50	10.00	PS048-M-01-200.00 X 170.00 X 33.50
225.00	195.00	223.50	33.50	10.00	PS048-M-01-225.00 X 195.00 X 33.50
250.00	220.00	248.50	33.50	10.00	PS048-M-01-250.00 X 220.00 X 33.50
280.00	250.00	278.50	33.50	10.00	PS048-M-01-280.00 X 250.00 X 33.50
300.00	270.00	298.00	33.50	10.00	PS048-M-01-300.00 X 270.00 X 33.50