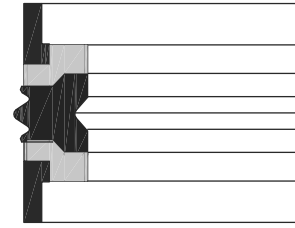


SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

PISTON SEAL

PS024



Features:

Piston seal profile PS024 consists of five piece seal set for sealing pistons with one elastomer sealing component, two anti-extrusion support rings and two L-shape guide rings.

Composition:

Component	Sealing Ring	Backup rings	L rings
Material	Nitrile Butadiene Rubber	Polyurethane	PA6 + 40% GLASS
Code	NBR78	PUDB65	PG6040

Properties:

- 1 Less space required for seal and guide elements.
- 1 Prevents distortion inside the groove.
- 1 Single Piece Piston with one groove.
- 1 No extrusion into the radial sealing gap
- 1 Suitable for rapid energisation.
- 1 Sealing component protected against twisting.
- 1 Zero leakage.

Application:

- Ø Mobile Hydraulics
- Ø Injection moulding machines
- Ø Machine tools
- Ø Piston Accumulator.
- Ø Agricultural equipment
- Ø Standard cylinders

General Technical Data:

Working Pressure (max.)	315 Bar
Temperature range	-20 to 100°C
Surface Speed (max.)	0.5 m/s.

Fitting:

PS024 is very easy to fit. Careful fitting of the seal is a prerequisite for its perfect functioning.

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

Ordering format:

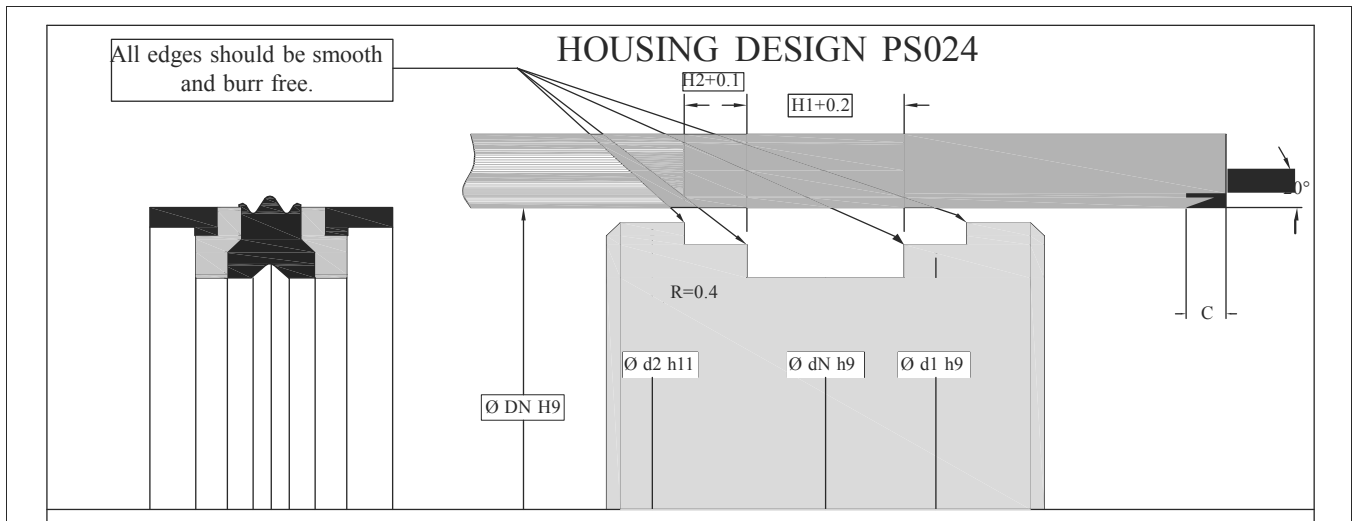
Please mention SHREENATHJI Order Code in your order.

Example: Size 25 X 15 X 12 Order Code is PS024-N-0250-0150-0120

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

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SEALS FOR HYDRAULICS & PNEUMATICS

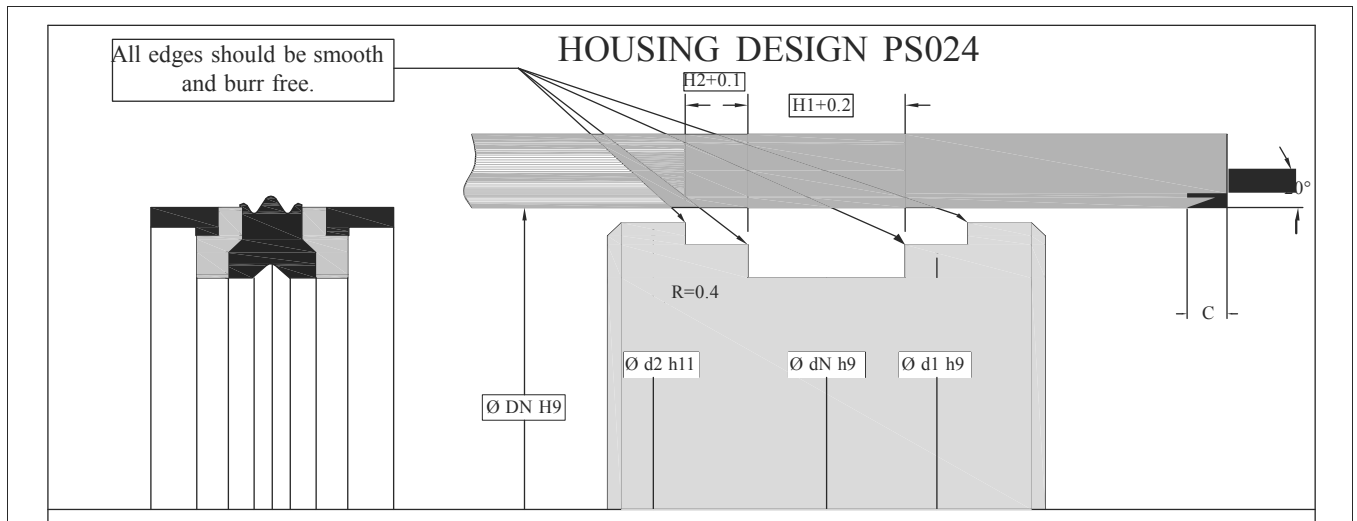


OUR STANDARD SIZE LIST

DN	TOL.	dN	TOL.	d1	TOL.	d2	TOL.	H1	H2	C	ORDER CODE
25	+0.00 +0.05	15	-0.00 -0.11	21.00	-0.00 -0.05	23.0	-0.00 -0.13	12.0	4.00	4.0	PS024-N-0250-0150-0120
32	+0.00 +0.05	22	-0.00 -0.11	28.50	-0.00 -0.05	30.5	-0.00 -0.13	16.4	6.40	4.0	PS024-N-0320-0220-0164
40	+0.00 +0.06	30	-0.00 -0.13	35.40	-0.00 -0.06	38.5	-0.00 -0.16	16.4	6.40	4.0	PS024-N-0400-0300-0164
40	+0.00 +0.06	24	-0.00 -0.13	35.40	-0.00 -0.06	38.7	-0.00 -0.16	18.4	6.40	4.0	PS024-N-0400-0240-0184
50	+0.00 +0.06	34	-0.00 -0.16	46.00	-0.00 -0.06	49.0	-0.00 -0.16	20.5	3.10	4.0	PS024-N-0500-0340-0205
50	+0.00 +0.06	34	-0.00 -0.16	45.40	-0.00 -0.06	49.0	-0.00 -0.16	18.4	6.40	4.0	PS024-N-0500-0340-0184
55	+0.00 +0.06	39	-0.00 -0.16	50.40	-0.00 -0.06	54.0	-0.00 -0.16	18.4	6.40	4.0	PS024-N-0550-0390-0184
60	+0.00 +0.07	44	-0.00 -0.16	55.40	-0.00 -0.07	58.7	-0.00 -0.19	18.4	6.40	4.0	PS024-N-0600-0440-0184
63	+0.00 +0.07	47	-0.00 -0.16	58.40	-0.00 -0.07	61.7	-0.00 -0.19	18.4	6.40	4.0	PS024-N-0630-0470-0184
65	+0.00 +0.06	49	-0.00 -0.16	61.00	-0.00 -0.06	64.0	-0.00 -0.16	20.5	3.10	4.0	PS024-N-0650-0490-0205
70	+0.00 +0.07	50	-0.00 -0.16	64.20	-0.00 -0.07	68.3	-0.00 -0.19	22.4	6.40	4.0	PS024-N-0700-0500-0224
75	+0.00 +0.07	55	-0.00 -0.19	69.20	-0.00 -0.07	73.3	-0.00 -0.19	22.4	6.40	4.0	PS024-N-0750-0550-0224
80	+0.00 +0.07	62	-0.00 -0.19	76.00	-0.00 -0.07	79.0	-0.00 -0.19	22.5	3.60	5.0	PS024-N-0800-0620-0225
80	+0.00 +0.07	60	-0.00 -0.19	74.20	-0.00 -0.07	78.3	-0.00 -0.19	22.4	6.40	5.0	PS024-N-0800-0600-0224
85	+0.00 +0.07	65	-0.00 -0.19	79.20	-0.00 -0.07	83.3	-0.00 -0.19	22.4	6.40	5.0	PS024-N-0850-0650-0224
90	+0.00 +0.09	70	-0.00 -0.19	84.20	-0.00 -0.09	88.3	-0.00 -0.22	22.4	6.40	5.0	PS024-N-0900-0700-0224
90	+0.00 +0.07	72	-0.00 -0.19	86.00	-0.00 -0.07	89.0	-0.00 -0.19	22.5	3.6	5.0	PS024-N-0900-0720-0225
95	+0.00 +0.07	75	-0.00 -0.19	89.20	-0.00 -0.07	93.3	-0.00 -0.19	22.4	6.40	5.0	PS024-N-0950-0750-0224
100	+0.00 +0.09	75	-0.00 -0.19	93.20	-0.00 -0.09	98.0	-0.00 -0.22	22.4	6.40	5.0	PS024-N-1000-0750-0224

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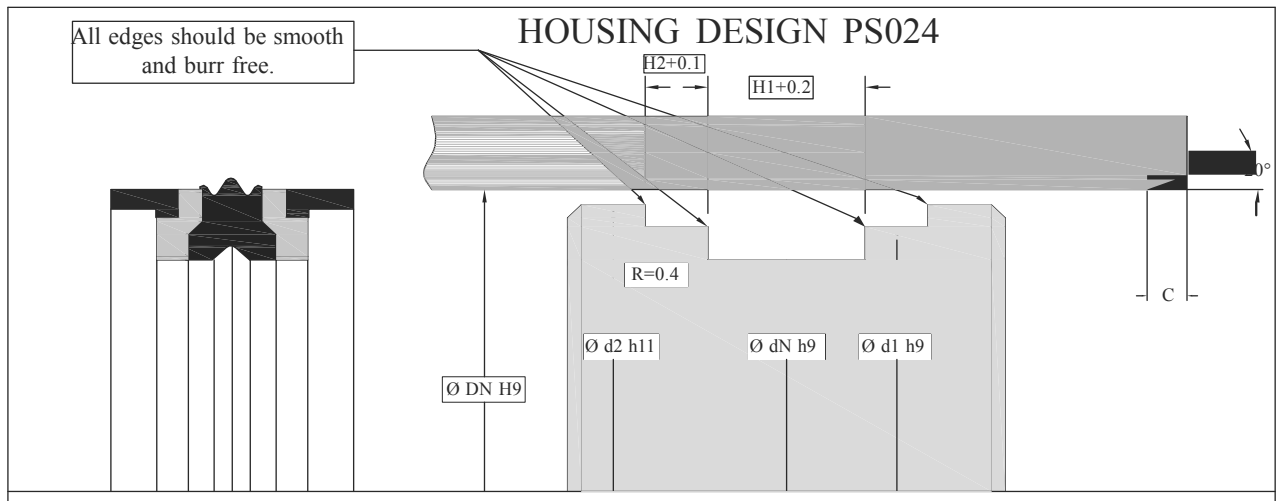


OUR STANDARD SIZE LIST

DN	TOL.	dN	TOL.	d1	TOL.	d2	TOL.	H1	H2	C	ORDER CODE
100	+0.00 +0.09	82	-0.00 -0.22	96.00	-0.00 -0.09	99.0	-0.00 -0.22	22.5	3.60	5.0	PS024-N-1000-0820-0225
100	+0.00 +0.07	86	-0.00 -0.19	96.00	-0.00 -0.07	99.4	-0.00 -0.19	22.5	5.2	5.0	PS024-N-1000-0860-0225
105	+0.00 +0.09	80	-0.00 -0.19	98.10	-0.00 -0.09	103.0	-0.00 -0.22	22.4	6.40	5.0	PS024-N-1050-0800-0224
110	+0.00 +0.09	85	-0.00 -0.22	103.10	-0.00 -0.09	108.0	-0.00 -0.22	22.4	6.40	5.0	PS024-N-1100-0850-0224
115	+0.00 +0.09	90	-0.00 -0.22	108.10	-0.00 -0.09	113.0	-0.00 -0.22	22.4	6.40	6.0	PS024-N-1150-0900-0224
120	+0.00 +0.09	95	-0.00 -0.22	113.10	-0.00 -0.09	118.0	-0.00 -0.22	22.4	6.40	6.0	PS024-N-1200-0950-0224
125	+0.00 +0.10	100	-0.00 -0.22	118.10	-0.00 -0.09	123.0	-0.00 -0.25	25.4	6.40	6.0	PS024-N-1250-1000-0254
125	+0.00 +0.10	103	-0.00 -0.22	121.00	-0.00 -0.10	124.0	-0.00 -0.25	26.5	5.10	6.0	PS024-N-1250-1030-0265
130	+0.00 +0.10	105	-0.00 -0.22	123.10	-0.00 -0.10	128.0	-0.00 -0.25	25.4	6.40	6.0	PS024-N-1300-1050-0254
130	+0.00 +0.10	105	-0.00 -0.22	122.70	-0.00 -0.10	127.5	-0.00 -0.25	25.4	9.50	6.0	PS024-N-1300-1050-0254-445
135	+0.00 +0.10	110	-0.00 -0.22	128.10	-0.00 -0.10	133.0	-0.00 -0.25	25.4	6.40	6.0	PS024-N-1350-1100-0254
135	+0.00 +0.10	110	-0.00 -0.22	127.60	-0.00 -0.10	132.5	-0.00 -0.25	25.4	9.50	6.0	PS024-N-1350-1100-0254-445
140	+0.00 +0.10	115	-0.00 -0.22	133.00	-0.00 -0.10	138.0	-0.00 -0.25	25.4	6.40	6.0	PS024-N-1400-1150-0254
140	+0.00 +0.10	115	-0.00 -0.22	132.60	-0.00 -0.10	137.5	-0.00 -0.25	25.4	9.50	6.0	PS024-N-1400-1150-0254-445
145	+0.00 +0.10	120	-0.00 -0.22	138.30	-0.00 -0.10	143.0	-0.00 -0.25	25.4	6.40	6.0	PS024-N-1450-1200-0254
145	+0.00 +0.10	120	-0.00 -0.22	137.90	-0.00 -0.10	142.5	-0.00 -0.25	25.4	9.50	6.0	PS024-N-1450-1200-0254-445
150	+0.00 +0.10	125	-0.00 -0.25	143.00	-0.00 -0.10	148.0	-0.00 -0.25	25.4	6.40	6.0	PS024-N-1500-1250-0254
150	+0.00 +0.10	125	-0.00 -0.25	142.60	-0.00 -0.10	147.5	-0.00 -0.25	25.4	9.50	6.0	PS024-N-1500-1250-0254-445
160	+0.00 +0.10	130	-0.00 -0.25	153.00	-0.00 -0.10	157.5	-0.00 -0.25	25.4	6.40	6.0	PS024-N-1600-1300-0254

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OUR STANDARD SIZE LIST

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