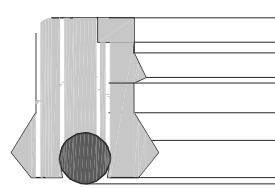


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SEALS FOR HYDRAULICS & PNEUMATICS

ROD SEAL

RS027



Features:

Rod seal profile RS027 is a single acting U cup type seal with energizer and anti extrusion polyamide ring for very high pressure and heavy duty application.

Composition:

Components	Material	Code
Main seal	Polyurethane	PUAB92
Energizer O ring	NBR	NBR70
Anti extrusion ring	Polyamide	PA6000

Properties:

- 1 High resistance to abrasion
- 1 Easy installation
- 1 Anti-extrusion ring prevent extrusion in high pressure conditions
- 1

Application:

- Ø Mobile Hydraulics
- Ø Injection molding machines
- Ø Machine tools
- Ø Agricultural equipment
- Ø Construction Machineries.

General Technical Data:

Working Pressure (max.)	500 Bar
Temperature range	-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

Extrusion Gap dimension:

The gap dimension 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 maximum clearance Ø and min rod Ø.

Maximum permissible gap (S)				
160 bar	260 bar	320 bar	400 bar	500 bar
0.5	0.4	0.35	0.3	0.25

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Minimum chamfer C:

DN - dN	Up to 8	8.1 to 10	10.1 to 15	15.1 to 20	20.1 to 25	25.1 and above
C	4.0	4.5	6.0	7.5	8.0	10.0

Fitting:

RS027 is very easy to fit. Careful fitting of the seal is a prerequisite for its perfect functioning.

Ordering format:

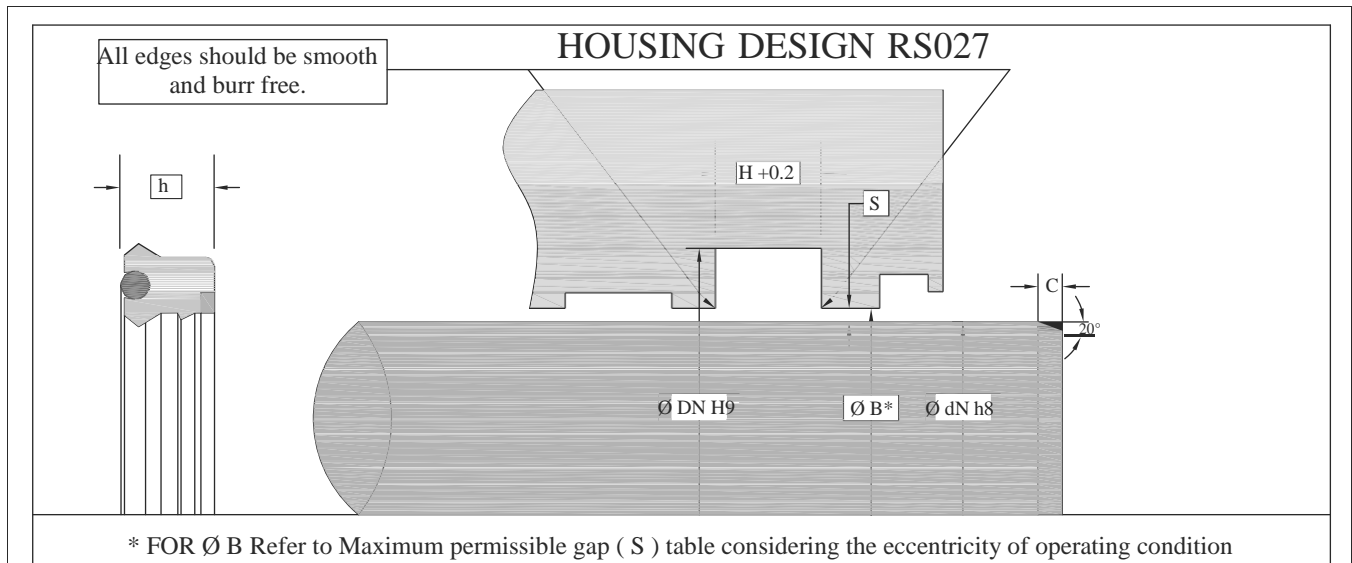
Please mention SHREENATHJI order code in your order. Example: Size 40 X 55 X 12.5

Order code is RS027-U-0400-0550-125

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

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