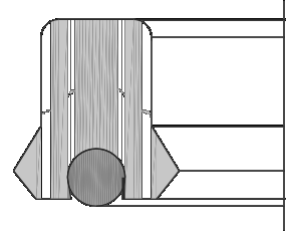


# SHREENATHJI & CO.

## SEALS FOR HYDRAULICS & PNEUMATICS

### ROD SEAL

### SS001



### Features :

SS001 is a single acting U cup type seal with O ring energizer used for both piston and rod seal.

### Composition:

| Components       | Material:    | Code   |
|------------------|--------------|--------|
| Main seal        | Polyurethane | PUAB92 |
| Energizer O ring | NBR          | NBR70  |

### Properties:

- 1 High resistance to abrasion
- 1 Easy installation
- 1 Second seal ring take load in high pressure conditions

### Application:

- Ø Mobile Hydraulics
- Ø Injection molding machines
- Ø Machine tools
- Ø Agricultural equipment
- Ø Standard cylinders

### General Technical Data:

|                        |                 |
|------------------------|-----------------|
| Temperature range      | -20°C to +100°C |
| Working Pressure(max.) | 400 bar         |
| 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 dimension (s) |         |         |         |
|---------------------------------------|---------|---------|---------|
| 160 bar                               | 260 bar | 320 bar | 400 bar |
| 0,4                                   | 0,4     | 0,35    | 0,3     |

# SHREENATHJI & CO.

## SEALS FOR HYDRAULICS & PNEUMATICS

### 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:

SS001 is very easy to fit. Careful fitting of the seal is a prerequisite for its perfect functioning.

### Ordering format:

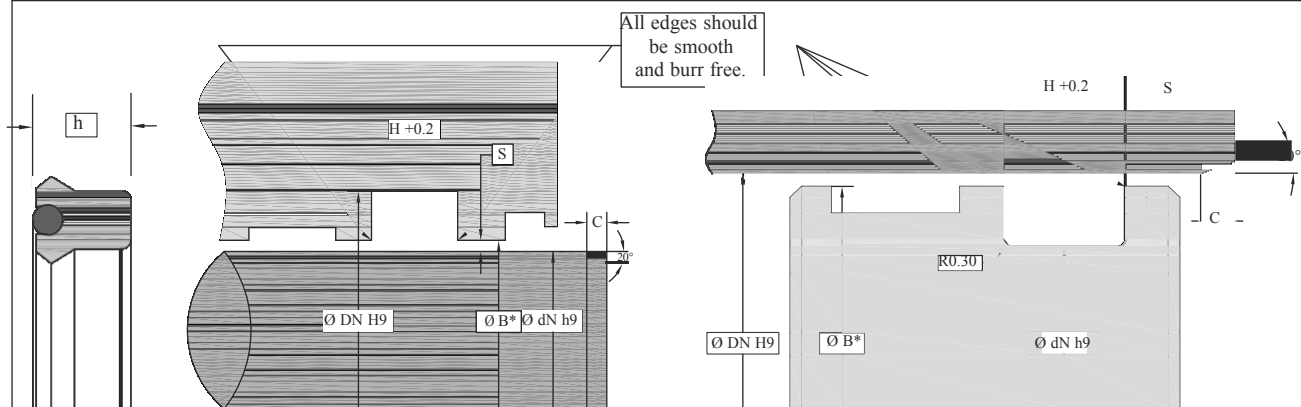
Please mention SHREENATHJI order code in your order. Example: Size 40 X 55 X 12.5  
Order code is SS001-U-0400-0550-125

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

# SHREENATHJI & CO.

## SEALS FOR HYDRAULICS & PNEUMATICS

### SS001 FOR ROD AND PISTON APPLICATION



\* FOR Ø B Refer to Maximum permissible gap ( S ) table considering the eccentricity of operating condition

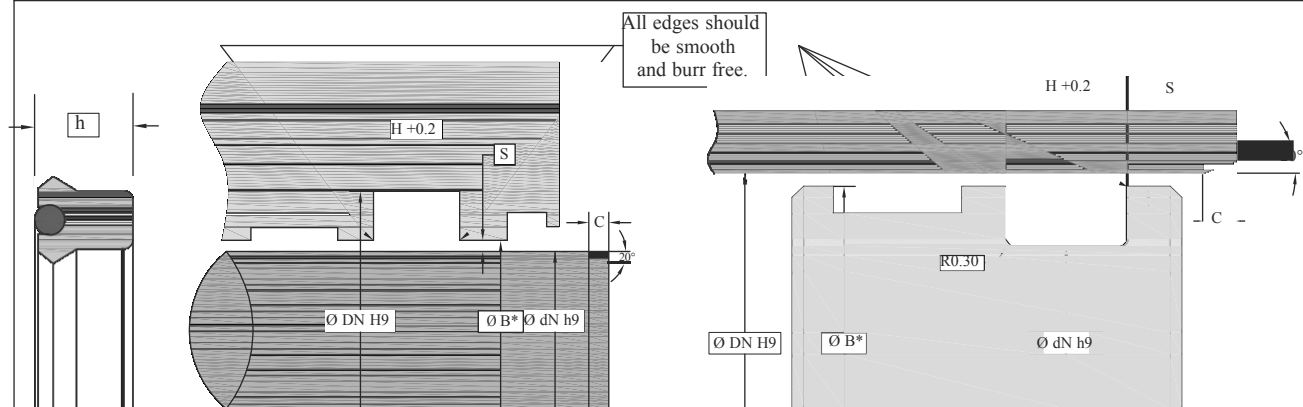
### OUR STANDARD SIZE LIST

| ØdN   | TOL.f8           | ØDN   | TOL.H9           | h    | H+0.2 | ORDER CODE            |
|-------|------------------|-------|------------------|------|-------|-----------------------|
| 25    | -0.025<br>-0.064 | 33    | +0.000<br>+0.074 | 5.5  | 6     | SS001-U-0250-0330-060 |
| 30    | -0.025<br>-0.064 | 40    | +0.000<br>+0.074 | 7.3  | 8     | SS001-U-0300-0400-080 |
| 35    | -0.025<br>-0.064 | 45    | +0.000<br>+0.074 | 7.3  | 8     | SS001-U-0350-0450-080 |
| 38.10 | -0.025<br>-0.064 | 50.80 | +0.000<br>+0.074 | 9.5  | 10.5  | SS001-U-0381-0508-105 |
| 40    | -0.025<br>-0.064 | 50    | +0.000<br>+0.074 | 7.3  | 8     | SS001-U-0400-0500-080 |
| 40    | -0.025<br>-0.064 | 55    | +0.000<br>+0.074 | 11.4 | 12.5  | SS001-U-0400-0550-125 |
| 45    | -0.025<br>-0.064 | 55    | +0.000<br>+0.074 | 7.3  | 8     | SS001-U-0450-0550-080 |
| 50    | -0.025<br>-0.064 | 65    | +0.000<br>+0.074 | 11.4 | 12.5  | SS001-U-0500-0650-125 |
| 50.80 | -0.030<br>-0.076 | 63.5  | +0.000<br>+0.074 | 9.5  | 10.5  | SS001-U-0508-0635-105 |
| 55    | -0.030<br>-0.076 | 65    | +0.000<br>+0.074 | 12   | 13    | SS001-U-0550-0650-130 |
| 55    | -0.030<br>-0.076 | 70    | +0.000<br>+0.074 | 9    | 10    | SS001-U-0550-0700-100 |
| 56    | -0.030<br>-0.076 | 66    | +0.000<br>+0.074 | 10   | 11    | SS001-U-0560-0660-110 |
| 56    | -0.030<br>-0.076 | 71    | +0.000<br>+0.074 | 9    | 10    | SS001-U-0560-0710-100 |
| 60    | -0.030<br>-0.076 | 75    | +0.000<br>+0.074 | 11.4 | 12.5  | SS001-U-0600-0750-125 |
| 62    | -0.030<br>-0.076 | 72    | +0.000<br>+0.074 | 7.3  | 8     | SS001-U-0620-0720-080 |
| 62    | -0.030<br>-0.076 | 72    | +0.000<br>+0.074 | 10   | 11    | SS001-U-0620-0720-110 |
| 65    | -0.030<br>-0.076 | 80    | +0.000<br>+0.074 | 11.4 | 12.5  | SS001-U-0650-0800-125 |
| 68    | -0.030<br>-0.076 | 76    | +0.000<br>+0.074 | 9    | 10    | SS001-U-0680-0760-100 |

# SHREENATHJI & CO.

## SEALS FOR HYDRAULICS & PNEUMATICS

### SS001 FOR ROD AND PISTON APPLICATION



\* FOR Ø B Refer to Maximum permissible gap ( S ) table considering the eccentricity of operating condition

### OUR STANDARD SIZE LIST

| ØdN    | TOL.f8           | ØDN    | TOL.H9           | h    | H+0.2 | ORDER CODE            |
|--------|------------------|--------|------------------|------|-------|-----------------------|
| 70     | -0.030<br>-0.076 | 80     | +0.000<br>+0.087 | 12   | 13    | SS001-U-0700-0800-130 |
| 70     | -0.030<br>-0.076 | 85     | +0.000<br>+0.087 | 11.4 | 12.5  | SS001-U-0700-0850-125 |
| 72     | -0.030<br>-0.076 | 82     | +0.000<br>+0.087 | 10   | 11    | SS001-U-0720-0820-110 |
| 75     | -0.030<br>-0.076 | 85     | +0.000<br>+0.087 | 12   | 13    | SS001-U-0750-0850-130 |
| 75     | -0.030<br>-0.076 | 95     | +0.000<br>+0.087 | 15   | 16    | SS001-U-0750-0950-160 |
| 82     | -0.030<br>-0.076 | 92     | +0.000<br>+0.087 | 10   | 11    | SS001-U-0820-0920-110 |
| 85     | -0.036<br>-0.090 | 100    | +0.000<br>+0.087 | 9    | 10    | SS001-U-0850-1000-100 |
| 86     | -0.036<br>-0.090 | 94     | +0.000<br>+0.087 | 9    | 10    | SS001-U-0860-0940-100 |
| 88     | -0.036<br>-0.090 | 98     | +0.000<br>+0.087 | 7.3  | 8     | SS001-U-0880-0980-080 |
| 94     | -0.036<br>-0.090 | 104    | +0.000<br>+0.087 | 12   | 13    | SS001-U-0940-1040-130 |
| 95.25  | -0.036<br>-0.090 | 104.77 | +0.000<br>+0.087 | 5.7  | 6.3   | SS001-U-0952-1047-630 |
| 100    | -0.036<br>-0.090 | 110    | +0.000<br>+0.087 | 9    | 10    | SS001-U-1000-1100-100 |
| 112    | -0.036<br>-0.090 | 122    | +0.000<br>+0.087 | 7.3  | 8     | SS001-U-1120-1220-080 |
| 114    | -0.036<br>-0.090 | 124    | +0.000<br>+0.087 | 12   | 13    | SS001-U-1140-1240-130 |
| 273.05 | -0.050<br>-0.122 | 298.45 | +0.000<br>+0.115 | 9.5  | 10.5  | SS001-U-2730-2984-105 |
| 349.25 | -0.050<br>-0.122 | 368.30 | +0.000<br>+0.115 | 9.5  | 10.5  | SS001-U-3492-3683-105 |
| 374.65 | -0.050<br>-0.122 | 393.70 | +0.000<br>+0.115 | 9.5  | 10.50 | SS001-U-3746-3937-105 |
| 412.75 | -0.050<br>-0.122 | 431.80 | +0.000<br>+0.115 | 9.5  | 10.5  | SS001-U-4127-4318-105 |