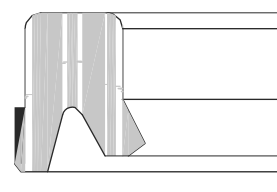


SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

ROD SEAL

RS045



Features:

Rod seal profile RS045 is a single acting U cup type seal commonly in use.

Composition:

Seal Profile type	RS045-U	RS045-F*
Material	Polyurethane	Fluorocarbon Rubber
Code	PUHP95	FPM80
Hardness	94° Shore A	80° Shore A

* For size list of RS045-F contact SHREENATHJI at info@shreenathjiandco.com

Properties:

- 1 High resistance to abrasion
- 1 Easy installation

Application:

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

General Technical Data:

Seal Profile	RS045-U	RS045-F
Temperature range	-20°C to 120°C	-20°C to +200 °C
Working Pressure(max.)	400 bar	160 bar
Surface Speed(max.)	0.5 m/s.	0.5 m/s.

Maximum working pressure can be extended up to 400 bar with the use of a back up ring. If this option is required ask SHREENATHJI.

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

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.

Seal Profile	Maximum permissible gap (S)			
	160 bar	260 bar	320 bar	400 bar
RS045-U	0.5	0.4	0.35	Ask US
RS045-F	0.2	Ask US	Ask US	Ask US

SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

Minimum chamfer C:

DN - dN	Up to 8	8.1 to10	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:

RS045 is very easy to fit. Careful fitting of the seal is a prerequisite for it's perfect functioning.

Ordering format:

Please mention SHREENATHJI order code in your order. Example: Size 6 X 14 X 6.3

For Temp range: -20°C to +110°C Order code is RS045-U-0060-0140-063

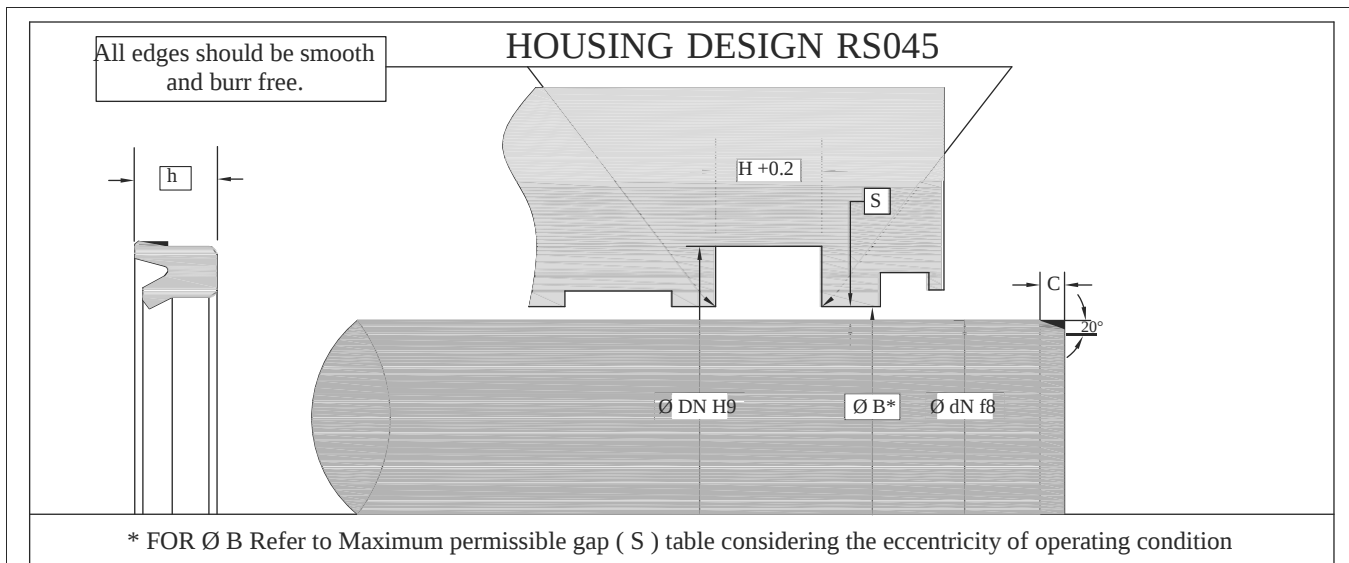
For Temp range: -20°C to +200°C Order code is RS045-F-0060-0140-063

*** For size list of RS045-F contact SHREENATHJI at info@shreenathjiandco.com**

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

SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

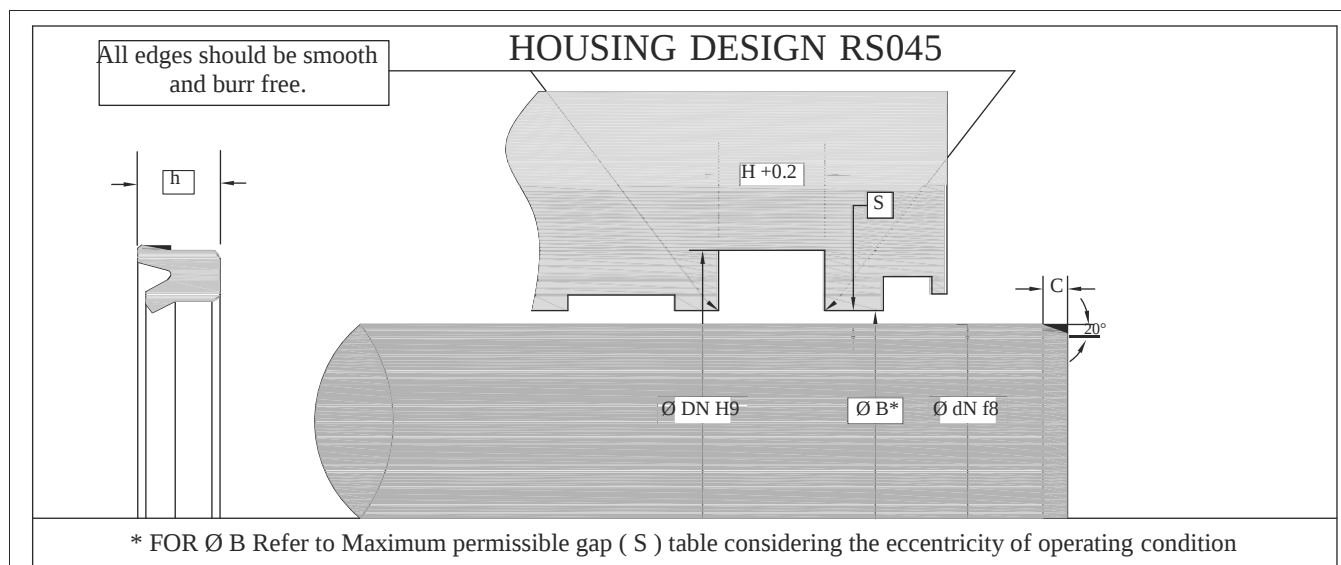


OUR STANDARD SIZE LIST

ØdN	TOL.f8	ØDN	TOL.H9	h	H+0.2	ORDER CODE
12	-0.016 -0.043	20	+0.000 +0.052	5.0	5.7	RS045-U-0120-0200-057
16	-0.016 -0.043	22	+0.000 +0.052	4.0	4.5	RS045-U-0160-0220-045
20	-0.020 -0.053	28	+0.000 +0.052	5.0	5.7	RS045-U-0200-0280-057
25	-0.020 -0.053	33	+0.000 +0.062	5.0	5.7	RS045-U-0250-0330-057
30	-0.020 -0.053	40	+0.000 +0.062	6.2	7.0	RS045-U-0300-0400-070
30	-0.020 -0.053	40	+0.000 +0.062	8.0	9.0	RS045-U-0300-0400-090
30	-0.020 -0.053	45	+0.000 +0.062	9.0	10.0	RS045-U-0300-0450-100
35	-0.025 -0.064	45	+0.000 +0.062	8.0	9.0	RS045-U-0350-0450-090
35	-0.025 -0.064	47	+0.000 +0.062	6.7	7.5	RS045-U-0350-0470-075
35	-0.025 -0.064	50	+0.000 +0.062	9.0	10.0	RS045-U-0350-0500-100
40	-0.025 -0.064	50	+0.000 +0.062	8.0	9.0	RS045-U-0400-0500-090
40	-0.025 -0.064	55	+0.000 +0.074	9.0	10.0	RS045-U-0400-0550-100
43	-0.025 -0.064	53	+0.000 +0.074	6.6	7.0	RS045-U-0430-0530-070
45	-0.025 -0.064	55	+0.000 +0.074	8.0	9.0	RS045-U-0450-0550-090
50	-0.025 -0.064	63	+0.000 +0.074	10.0	11.0	RS045-U-0500-0630-110
50	-0.025 -0.064	65	+0.000 +0.074	9.0	10.0	RS045-U-0500-0650-100
55	-0.030 -0.076	68	+0.000 +0.074	10.0	11.0	RS045-U-0550-0680-110
55	-0.030 -0.076	70	+0.000 +0.074	9.0	10.0	RS045-U-0550-0700-100

SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

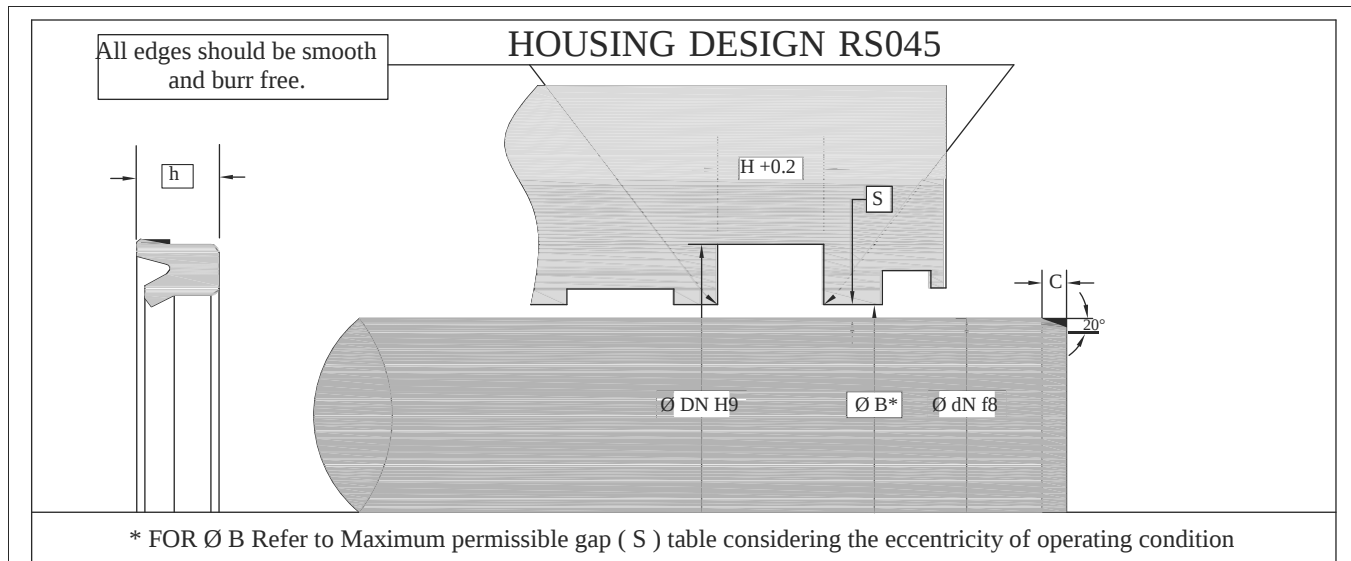


OUR STANDARD SIZE LIST

ØdN	TOL.f8	ØDN	TOL.H9	h	H+0.2	ORDER CODE
60	-0.030 -0.076	73	+0.000 +0.074	10.0	11.0	RS045-U-0600-0730-110
60	-0.030 -0.076	75	+0.000 +0.074	9.0	10.0	RS045-U-0600-0750-100
65	-0.030 -0.076	78	+0.000 +0.074	10.0	11.0	RS045-U-0650-0780-110
65	-0.030 -0.076	80	+0.000 +0.074	12.0	13.0	RS045-U-0650-0800-130
65	-0.030 -0.076	80	+0.000 +0.074	9.0	10.0	RS045-U-0650-0800-100
70	-0.030 -0.076	80	+0.000 +0.087	5.4	6.0	RS045-U-0700-0800-060
70	-0.030 -0.076	83	+0.000 +0.087	10.0	11.0	RS045-U-0700-0830-110
70	-0.030 -0.076	85	+0.000 +0.087	9.0	10.0	RS045-U-0700-0850-100
70	-0.030 -0.076	90	+0.000 +0.087	12.0	13.0	RS045-U-0700-0900-130
75	-0.030 -0.076	85	+0.000 +0.087	12.0	13.0	RS045-U-0750-0850-130
75	-0.030 -0.076	88	+0.000 +0.087	10.0	11.0	RS045-U-0750-0880-110
75	-0.030 -0.076	95	+0.000 +0.087	12.0	13.0	RS045-U-0750-0950-130
80	-0.030 -0.076	100	+0.000 +0.087	12.0	13.0	RS045-U-0800-1000-130
80	-0.030 -0.076	93	+0.000 +0.087	10.0	11.0	RS045-U-0800-0930-110
80	-0.030 -0.076	95	+0.000 +0.087	9.0	10.0	RS045-U-0800-0950-100
85	-0.030 -0.090	100	+0.000 +0.087	9.0	10.0	RS045-U-0850-1000-100
85	-0.030 -0.090	100	+0.000 +0.087	10.2	11.0	RS045-U-0850-1000-110
85	-0.030 -0.090	100	+0.000 +0.087	12.0	13.0	RS045-U-0850-1000-130

SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

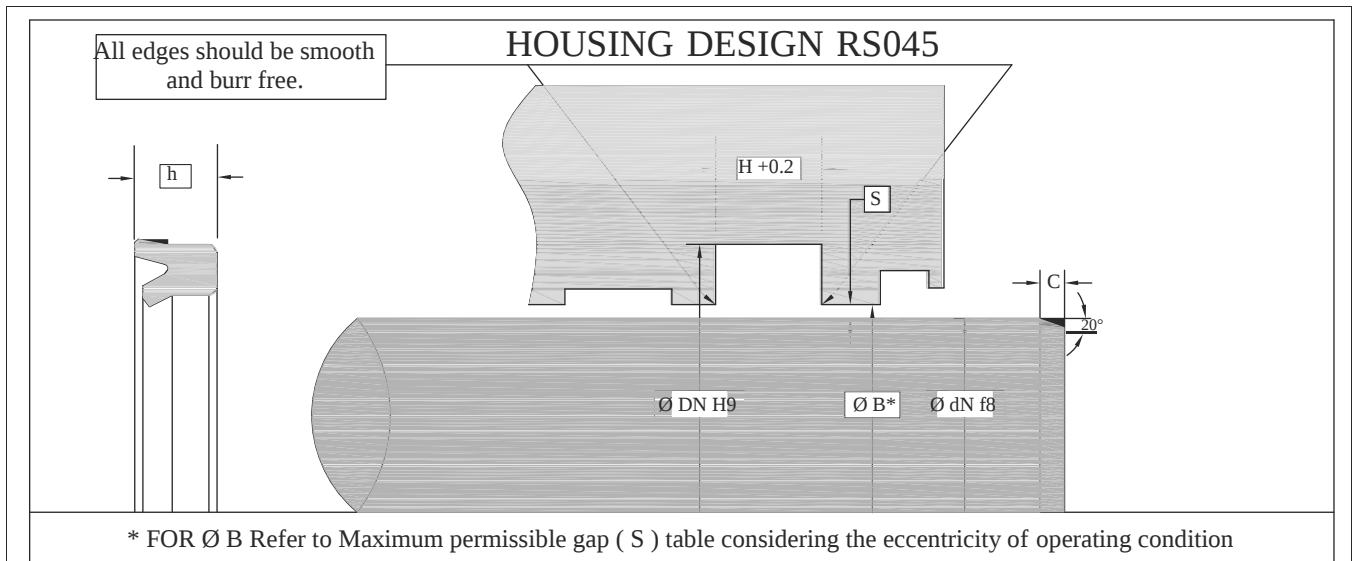


OUR STANDARD SIZE LIST

$\varnothing dN$	TOL.f8	$\varnothing DN$	TOL.H9	h	H+0.2	ORDER CODE
90	-0.030 -0.090	105	+0.000 +0.087	10.0	11.0	RS045-U-0900-1050-110
90	-0.030 -0.090	110	+0.000 +0.087	12.0	13.0	RS045-U-0900-1100-130
95	-0.030 -0.090	110	+0.000 +0.087	10.0	11.0	RS045-U-0950-1100-110
95	-0.030 -0.090	108	+0.000 +0.087	10.0	11.0	RS045-U-0950-1080-110
95	-0.030 -0.090	115	+0.000 +0.087	12.0	13.0	RS045-U-0950-1150-130
98	-0.030 -0.090	112	+0.000 +0.087	8.8	9.5	RS045-U-0980-112-095
100	-0.030 -0.090	115	+0.000 +0.087	10.0	11.0	RS045-U-1000-1150-110
100	-0.030 -0.090	120	+0.000 +0.087	12.0	13.0	RS045-U-1000-1200-130
105	-0.030 -0.090	120	+0.000 +0.087	10.0	11.0	RS045-U-1050-1200-110
110	-0.030 -0.090	125	+0.000 +0.087	10.0	11.0	RS045-U-1100-1250-110
110	-0.030 -0.090	130	+0.000 +0.100	10.0	11.0	RS045-U-1100-1300-110
115	-0.030 -0.090	130	+0.000 +0.100	5.8	6.3	RS045-U-1150-1300-063
115	-0.030 -0.090	135	+0.000 +0.100	12.0	13.0	RS045-U-1150-1350-130
120	-0.030 -0.090	140	+0.000 +0.100	13.0	14.0	RS045-U-1200-1400-140
140	-0.043 -0.106	150	+0.000 +0.100	6.2	7.0	RS045-U-1400-1500-070
140	-0.043 -0.106	155	+0.000 +0.100	10.0	11.0	RS045-U-1400-1550-110
145	-0.043 -0.106	155	+0.000 +0.100	6.2	7.0	RS045-U-1450-1550-070
150	-0.043 -0.106	160	+0.000 +0.100	6.2	7.0	RS045-U-1500-1600-070

SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS



OUR STANDARD SIZE LIST

[illegible]