

ROD SEAL

RS117



Features:

Rod seal profile RS117 consists of two piece seal set for sealing rod with one polyurethane seal ring and one energizer O-ring.

Composition:

SEAL COMBINATION	SEAL RING COMPOUND	SQUARE ENERGIZER	TEMP. RANGE	WORKING PRESSURE (Max.)	SURFACE SPEED (Max.)
RS117-01	PU05/PU1	NB02	-35 to 100°C	320 Bar	0.5 m/s
RS117-02	HY08	NB02	-35 to 100°C	320 Bar	0.5 m/s

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

Properties:

- High abrasion resistance.
- Low wear
- Least oil film release
- Very Easy Installation

Application:

- Mobile Hydraulics
- Injection moulding machines
- Machine tools
- Material Handling Equipments.

Extrusion gap dimension :

The gap dimension on the non-pressurised side of the seal is decisive for sealing function. Figures show the maximum radial clearance on each side using maximum gland bush groove inner dia and minimum rod dia considering respective tolerances.

Profile dimension	Maximum permissible gap (S) for Metric Sizes (mm)		
	160 bar	260 bar	320 bar
H			
3.20	0.17	0.15	-
4.20	0.20	0.17	0.15
6.30	0.25	0.20	0.15
8.10	0.30	0.25	0.20

Installation:

RS117 is very easy to fit. Insert the O ring first and then turn the PU part in kidney shape and insert in the groove. Careful fitting of the seal is a pre-requisite for it's perfect functioning.

Ordering format:

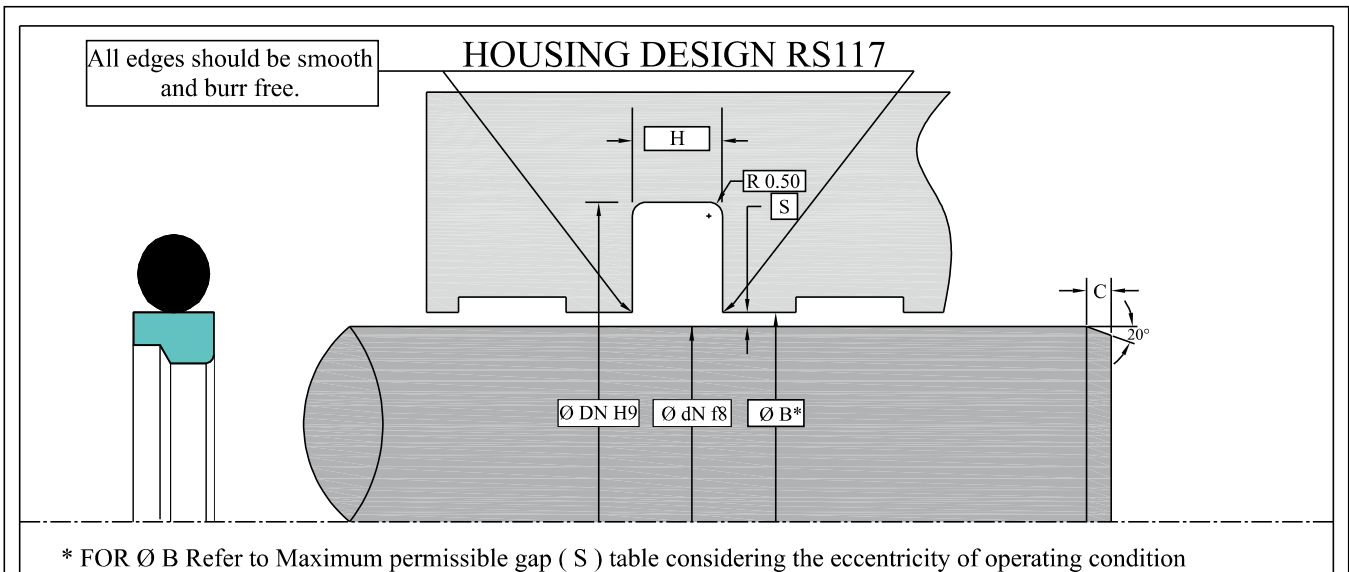
Please Follow ROYAL order code to place your order.

Example: For Metric Size 12.00 X 19.30 X 3.20 Order Code is **RS117-M-01-012.00 X 019.30 X 03.20**

We have given all metric(mm) sizes here. For Imperial (inch) sizes please contact ROYAL at info@royalcomposites.co.in / info@royalseals.co.in / info@royalseals.co.in

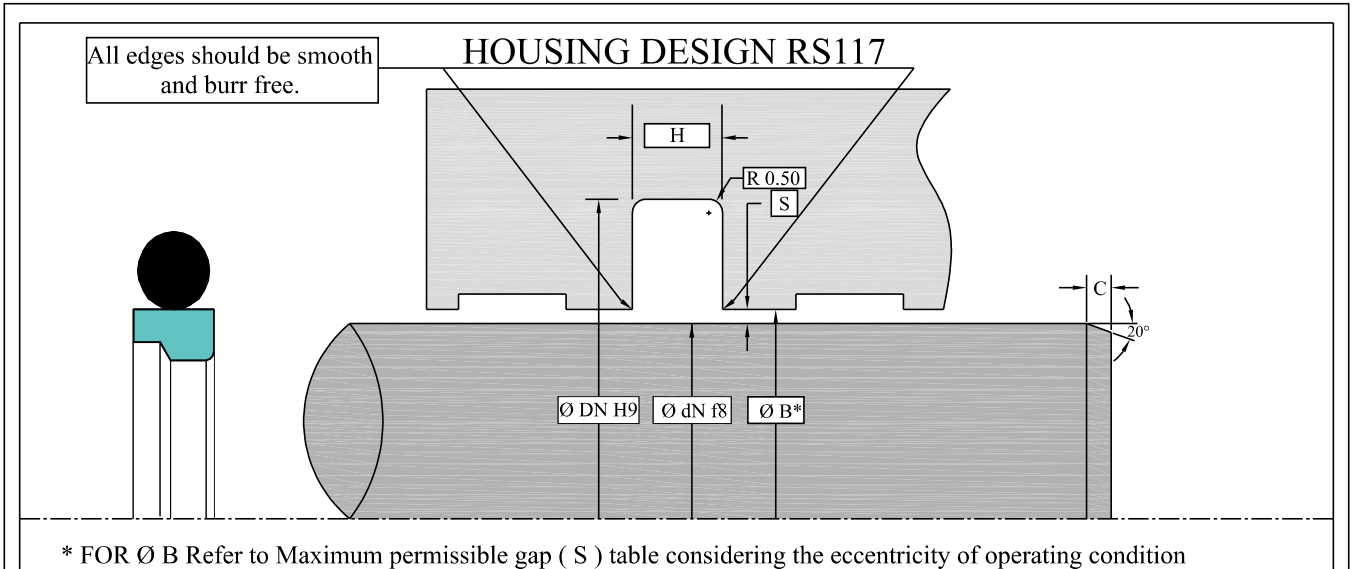


SEALS FOR HYDRAULICS & PNEUMATICS



ROYAL STANDARD SIZE LIST

ØdN (f8)	ØDN (H9)	H (+0.20)	C	O-RING SIZE	ORDER CODE
12.00	19.30	3.20	2.50	13.94 X 2.62	RS117-M-01-012.00 X 019.30 X 03.20
14.00	21.30	3.20	2.50	17.42 X 2.62	RS117-M-01-014.00 X 021.30 X 03.20
16.00	23.30	3.20	2.50	18.72 X 2.62	RS117-M-01-016.00 X 023.30 X 03.20
18.00	25.30	3.20	2.50	20.29 X 2.62	RS117-M-01-018.00 X 025.30 X 03.20
20.00	24.90	2.20	2.50	20.35 X 1.78	RS117-M-01-020.00 X 024.90 X 02.20
20.00	30.70	4.20	3.50	23.40 X 3.53	RS117-M-01-020.00 X 030.70 X 04.20
22.00	26.90	2.20	2.50	23.52 X 1.78	RS117-M-01-022.00 X 026.90 X 02.20
22.00	32.70	4.20	3.50	26.58 X 3.53	RS117-M-01-022.00 X 032.70 X 04.20
25.00	35.70	4.20	3.50	29.57 X 3.53	RS117-M-01-025.00 X 035.70 X 04.20
28.00	38.70	4.20	3.50	32.92 X 3.53	RS117-M-01-028.00 X 038.70 X 04.20
30.00	40.70	4.20	3.50	34.52 X 3.53	RS117-M-01-030.00 X 040.70 X 04.20
32.00	42.70	4.20	3.50	36.09 X 3.53	RS117-M-01-032.00 X 042.70 X 04.20
35.00	45.70	4.20	3.50	37.69 X 3.53	RS117-M-01-035.00 X 045.70 X 04.20
36.00	46.70	4.20	3.50	40.87 X 3.53	RS117-M-01-036.00 X 046.70 X 04.20
40.00	50.70	4.20	3.50	44.04 X 3.53	RS117-M-01-040.00 X 050.70 X 04.20
40.00	55.10	6.30	5.50	45.70 X 5.33	RS117-M-01-040.00 X 055.10 X 06.30
45.00	60.10	6.30	5.50	50.17 X 5.33	RS117-M-01-045.00 X 060.10 X 06.30
50.00	65.10	6.30	5.50	56.52 X 5.33	RS117-M-01-050.00 X 065.10 X 06.30
56.00	71.10	6.30	5.50	62.87 X 5.33	RS117-M-01-056.00 X 071.10 X 06.30
60.00	75.10	6.30	5.50	66.04 X 5.33	RS117-M-01-060.00 X 075.10 X 06.30
70.00	85.10	6.30	6.00	75.57 X 5.33	RS117-M-01-070.00 X 085.10 X 06.30
80.00	95.10	6.30	6.00	85.09 X 5.33	RS117-M-01-080.00 X 095.10 X 06.30
85.00	100.10	6.30	6.00	91.44 X 5.33	RS117-M-01-085.00 X 100.10 X 06.30
90.00	105.10	6.30	6.00	94.62 X 5.33	RS117-M-01-090.00 X 105.10 X 06.30
95.00	110.10	6.30	6.00	100.97 X 5.33	RS117-M-01-095.00 X 110.10 X 06.30
100.00	115.10	6.30	6.00	104.14 X 5.33	RS117-M-01-100.00 X 115.10 X 06.30
110.00	125.10	6.30	6.00	116.84 X 5.33	RS117-M-01-110.00 X 125.10 X 06.30
120.00	135.10	6.30	6.00	126.37 X 5.33	RS117-M-01-120.00 X 135.10 X 06.30
125.00	140.10	6.30	6.00	129.54 X 5.33	RS117-M-01-125.00 X 140.10 X 06.30
155.00	170.10	6.30	6.00	158.12 X 5.33	RS117-M-01-155.00 X 170.10 X 06.30



ROYAL STANDARD SIZE LIST

ØdN (f8)	ØDN (H9)	H (+0.20)	C	O-RING SIZE	ORDER CODE
170.00	185.10	6.30	6.00	175.02 X 5.33	RS117-M-01-170.00 X 185.10 X 06.30
225.00	245.50	8.10	8.00	234.32 X 6.99	RS117-M-01-225.00 X 245.50 X 08.10