

DUST SEAL

DS055

Features:

Wiper seal DS055 is a double acting rod wiper for integral housing.

Composition:

SEAL COMBINATION	SEAL RING COMPOUND	TEMP. RANGE	SURFACE SPEED (Max.)
DS055-01	PU38/PU42/PU56	-40 to 100°C	0.5 m/s
DS055-02	VT04	-25 to 200°C	0.5 m/s
DS055-03	NB01	-35 to 100°C	0.5 m/s

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

Properties:

- Easy snap in installation
- Very good wiping action
- Wiper can be used for a broad temperature range

Application:

- Presses, fork lift & material handling equipments
- Injection molding machines
- Standard cylinders

The double lip wiper DS055 is preferably fitted in combination with rod seal RS018. We recommend in any case a pressure release hole be provided in front of the double lip wiper in order to avoid pressure build-up between seal and wiper.

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

Fitting:

Snap in fitting through a kidney-shaped distortion. Careful fitting is prerequisite for perfect functioning of the wiper.

Ordering format:

Please mention ROYAL order code in your order.

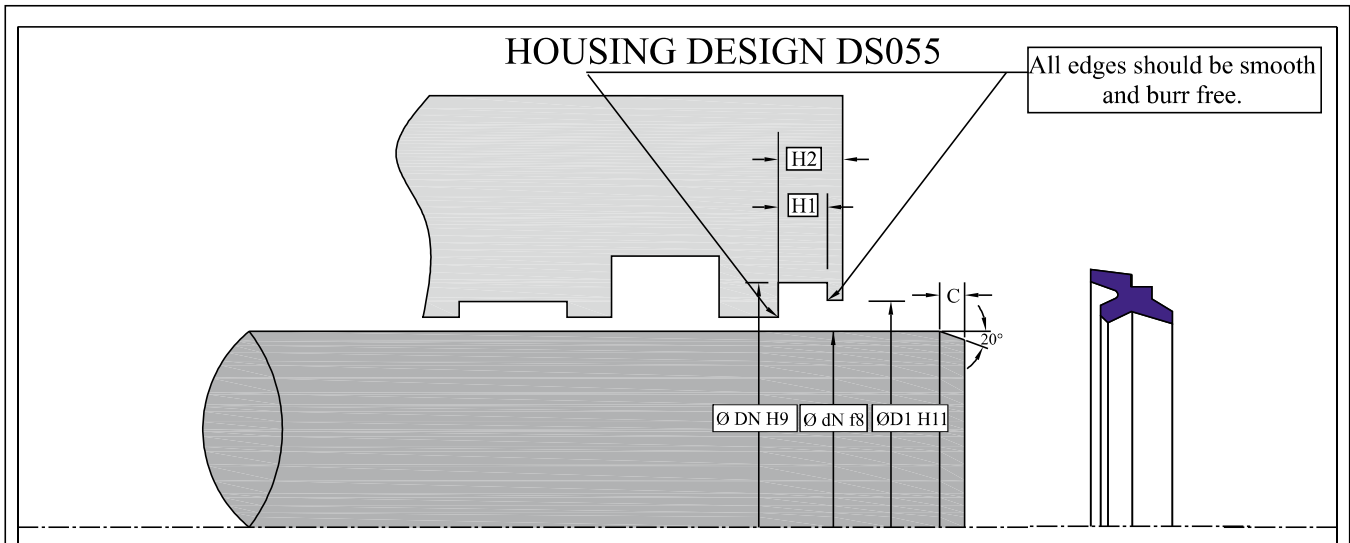
Example: Size 12.00 x 20.00 x 6.00/8.00

Material P.U.: Order code is DS055-M-01-012.00 X 020.00 X 06.0/08.0

Material FPM: Order code is DS055-M-01-012.00 X 020.00 X 06.0/08.0

Material NBR: Order code is DS055-M-01-012.00 X 020.00 X 06.0/08.0

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



ROYAL STANDARD SIZE LIST

ØdN (f8)	ØDN (H11)	ØD1 (H11)	H1 (+0.20)	H2	ORDER CODE
10.00	18.00	13.50	6.00	8.00	DS055-M-01-010.00 X 018.00 X 06.0/08.0
12.00	20.00	15.50	6.00	8.00	DS055-M-01-012.00 X 020.00 X 06.0/08.0
14.00	22.00	17.50	6.00	8.00	DS055-M-01-014.00 X 022.00 X 06.0/08.0
15.00	23.00	18.50	6.00	8.00	DS055-M-01-015.00 X 023.00 X 06.0/08.0
16.00	24.00	19.50	6.00	8.00	DS055-M-01-016.00 X 024.00 X 06.0/08.0
18.00	26.00	21.50	6.00	8.00	DS055-M-01-018.00 X 026.00 X 06.0/08.0
20.00	28.00	23.50	6.00	8.00	DS055-M-01-020.00 X 028.00 X 06.0/08.0
22.00	30.00	25.50	6.00	8.00	DS055-M-01-022.00 X 030.00 X 06.0/08.0
25.00	33.00	28.50	6.00	8.00	DS055-M-01-025.00 X 033.00 X 06.0/08.0
28.00	36.00	31.50	6.00	8.00	DS055-M-01-028.00 X 036.00 X 06.0/08.0
30.00	38.00	33.50	6.00	8.00	DS055-M-01-030.00 X 038.00 X 06.0/08.0
32.00	40.00	35.50	6.00	8.00	DS055-M-01-032.00 X 040.00 X 06.0/08.0
35.00	43.00	38.50	6.00	8.00	DS055-M-01-035.00 X 043.00 X 06.0/08.0
36.00	44.00	39.50	6.00	8.00	DS055-M-01-036.00 X 044.00 X 06.0/08.0
38.00	46.00	41.50	6.00	8.00	DS055-M-01-038.00 X 046.00 X 06.0/08.0
40.00	48.00	43.50	6.00	8.00	DS055-M-01-040.00 X 048.00 X 06.0/08.0
42.00	50.00	45.50	6.00	8.00	DS055-M-01-042.00 X 050.00 X 06.0/08.0
45.00	53.00	48.50	6.00	8.00	DS055-M-01-045.00 X 053.00 X 06.0/08.0
50.00	58.00	53.50	6.00	8.00	DS055-M-01-050.00 X 058.00 X 06.0/08.0
55.00	63.00	58.50	6.00	8.00	DS055-M-01-055.00 X 063.00 X 06.0/08.0
56.00	64.00	59.50	6.00	8.00	DS055-M-01-056.00 X 064.00 X 06.0/08.0
57.00	65.00	60.50	6.00	8.00	DS055-M-01-057.00 X 065.00 X 06.0/08.0
60.00	68.00	63.50	6.00	8.00	DS055-M-01-060.00 X 068.00 X 06.0/08.0
63.00	71.00	66.50	6.00	8.00	DS055-M-01-063.00 X 071.00 X 06.0/08.0
65.00	73.00	68.50	6.00	8.00	DS055-M-01-065.00 X 073.00 X 06.0/08.0
68.00	76.00	71.50	6.00	8.00	DS055-M-01-068.00 X 076.00 X 06.0/08.0
70.00	78.00	73.50	6.00	8.00	DS055-M-01-070.00 X 078.00 X 06.0/08.0
75.00	83.00	78.50	6.00	8.00	DS055-M-01-075.00 X 083.00 X 06.0/08.0
80.00	88.00	83.50	6.00	8.00	DS055-M-01-080.00 X 088.00 X 06.0/08.0
85.00	93.00	88.50	6.00	8.00	DS055-M-01-085.00 X 093.00 X 06.0/08.0
90.00	98.00	93.50	6.00	8.00	DS055-M-01-090.00 X 098.00 X 06.0/08.0
95.00	103.00	98.50	6.00	8.00	DS055-M-01-095.00 X 103.00 X 06.0/08.0



SEALS FOR HYDRAULICS & PNEUMATICS

ROYAL STANDARD SIZE LIST					
ØdN (f8)	ØDN (H11)	ØD1 (H11)	H1 (+0.20)	H2	ORDER CODE
100.00	108.00	103.50	6.00	8.00	DS055-M-01-100.00 X 108.00 X 06.0/08.0
105.00	117.00	110.00	8.20	11.10	DS055-M-01-105.00 X 117.00 X 08.2/11.1
110.00	122.00	115.00	8.20	11.10	DS055-M-01-110.00 X 122.00 X 08.2/11.1
115.00	127.00	120.00	8.20	11.10	DS055-M-01-115.00 X 127.00 X 08.2/11.1
120.00	132.00	125.00	8.20	11.10	DS055-M-01-120.00 X 132.00 X 08.2/11.1
125.00	137.00	130.00	8.20	11.10	DS055-M-01-125.00 X 137.00 X 08.2/11.1
130.00	142.00	135.00	8.20	11.10	DS055-M-01-130.00 X 142.00 X 08.2/11.1
135.00	147.00	140.00	8.20	11.10	DS055-M-01-135.00 X 147.00 X 08.2/11.1
140.00	152.00	145.00	8.20	11.10	DS055-M-01-140.00 X 152.00 X 08.2/11.1
145.00	157.00	150.00	8.20	11.10	DS055-M-01-145.00 X 157.00 X 08.2/11.1
150.00	162.00	155.00	8.20	11.10	DS055-M-01-150.00 X 162.00 X 08.2/11.1
160.00	172.00	165.00	8.20	11.10	DS055-M-01-160.00 X 172.00 X 08.2/11.1
170.00	182.00	175.00	8.20	11.10	DS055-M-01-170.00 X 182.00 X 08.2/11.1
180.00	192.00	185.00	8.20	11.10	DS055-M-01-180.00 X 192.00 X 08.2/11.1
190.00	202.00	195.00	8.20	11.10	DS055-M-01-190.00 X 202.00 X 08.2/11.1
200.00	212.00	205.00	8.20	11.10	DS055-M-01-200.00 X 212.00 X 08.2/11.1
210.00	225.00	217.00	9.50	12.50	DS055-M-03-210.00 X 225.00 X 09.5/12.5
220.00	235.00	227.00	9.50	12.50	DS055-M-03-220.00 X 235.00 X 09.5/12.5
225.00	240.00	233.00	9.50	12.50	DS055-M-03-225.00 X 240.00 X 09.5/12.5
230.00	245.00	237.00	9.50	12.50	DS055-M-03-230.00 X 245.00 X 09.5/12.5
240.00	255.00	247.00	9.50	12.50	DS055-M-03-240.00 X 255.00 X 09.5/12.5
250.00	265.00	257.00	9.50	12.50	DS055-M-03-250.00 X 265.00 X 09.5/12.5
255.00	270.00	262.00	9.50	12.50	DS055-M-03-255.00 X 270.00 X 09.5/12.5
260.00	275.00	267.00	9.50	12.50	DS055-M-03-260.00 X 275.00 X 09.5/12.5
265.00	280.00	272.00	9.50	12.50	DS055-M-03-265.00 X 280.00 X 09.5/12.5
270.00	285.00	277.00	9.50	12.50	DS055-M-03-270.00 X 285.00 X 09.5/12.5
280.00	295.00	287.00	9.50	12.50	DS055-M-03-280.00 X 295.00 X 09.5/12.5
300.00	315.00	307.00	9.50	12.50	DS055-M-03-300.00 X 315.00 X 09.5/12.5
320.00	335.00	327.00	9.50	12.50	DS055-M-03-320.00 X 335.00 X 09.5/12.5
350.00	365.00	357.00	9.50	12.50	DS055-M-03-350.00 X 365.00 X 09.5/12.5
360.00	375.00	367.00	9.50	12.50	DS055-M-03-360.00 X 375.00 X 09.5/12.5
380.00	395.00	387.00	9.50	12.50	DS055-M-03-380.00 X 395.00 X 09.5/12.5
400.00	415.00	407.00	9.50	12.50	DS055-M-03-400.00 X 415.00 X 09.5/12.5
410.00	425.00	417.00	9.50	12.50	DS055-M-03-410.00 X 425.00 X 09.5/12.5
450.00	465.00	457.00	9.50	12.50	DS055-M-03-450.00 X 465.00 X 09.5/12.5
520.00	535.00	527.00	9.50	12.50	DS055-M-03-520.00 X 535.00 X 09.5/12.5