

Features:

Wiper seal DS077 is a single acting rod wiper for integral housing.

Composition:

SEAL COMBINATION	SEAL RING COMPOUND	TEMP. RANGE	SURFACE SPEED (Max.)
DS077-01	PU19	-20 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
- No pressure build-up between seal and wiper

Application:

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

Surface finish:

Roughness depth	R(max)	Ra
Sliding surface	$\leq 2.5 \mu\text{m}$	0.05-0.3 μm
Bottom of groove	$\leq 6.3 \mu\text{m}$	$\leq 1.6 \mu\text{m}$
Side of groove	$\leq 15 \mu\text{m}$	$\leq 3 \mu\text{m}$

Minimum chamfer C:

DN - dN	Up to 12	12.1 to 15	15.1 to 20	20.1 to 25	25.1 to 30	30.1 and above
C	4.0	5.0	6.0	7.5	8.0	10.0

Fitting:

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

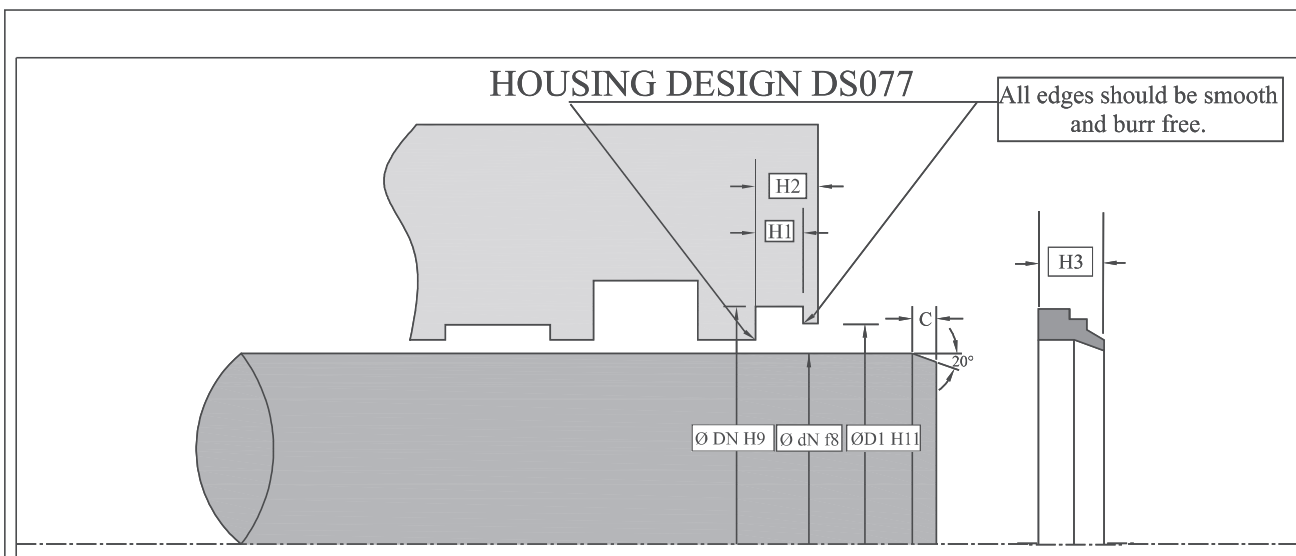
Ordering format:

Please mention ROYAL order code in your order.

Example: Size 10.00 X 18.00 X 4.00/7.00

The Order code is **DS077-M-01-010.00 X 018.00 X 04.0/07.0**

Please contact ROYAL at info@royalcomposites.co.in / info@royalseals.co.in if your required size is not mentioned in Royal standard size list



ROYAL STANDARD SIZE LIST

ØdN (f8)	ØDN (H11)	ØD1 (H11)	H1 (+0.20)	H2	H3	ORDER CODE
10.00	18.00	16.00	4.00	5.00	7.00	DS077-M-01-010.00 X 018.00 X 04.0/07.0
12.00	20.00	18.00	4.00	5.00	7.00	DS077-M-01-012.00 X 020.00 X 04.0/07.0
14.00	22.00	20.00	4.00	5.00	7.00	DS077-M-01-014.00 X 022.00 X 04.0/07.0
15.00	23.00	21.00	4.00	5.00	7.00	DS077-M-01-015.00 X 023.00 X 04.0/07.0
16.00	24.00	22.00	4.00	5.00	7.00	DS077-M-01-016.00 X 024.00 X 04.0/07.0
18.00	26.00	24.00	4.00	5.00	7.00	DS077-M-01-018.00 X 026.00 X 04.0/07.0
20.00	28.00	26.00	4.00	5.00	7.00	DS077-M-01-020.00 X 028.00 X 04.0/07.0
22.00	30.00	28.00	4.00	5.00	7.00	DS077-M-01-022.00 X 030.00 X 04.0/07.0
25.00	33.00	31.00	4.00	5.00	7.00	DS077-M-01-025.00 X 033.00 X 04.0/07.0
28.00	36.00	34.00	4.00	5.00	7.00	DS077-M-01-028.00 X 036.00 X 04.0/07.0
30.00	38.00	36.00	4.00	5.00	7.00	DS077-M-01-030.00 X 038.00 X 04.0/07.0
32.00	40.00	38.00	4.00	5.00	7.00	DS077-M-01-032.00 X 040.00 X 04.0/07.0
33.00	41.00	39.00	4.00	5.00	7.00	DS077-M-01-033.00 X 041.00 X 04.0/07.0
35.00	43.00	41.00	4.00	5.00	7.00	DS077-M-01-035.00 X 043.00 X 04.0/07.0
36.00	44.00	42.00	4.00	5.00	7.00	DS077-M-01-036.00 X 044.00 X 04.0/07.0
38.00	46.00	44.00	4.00	5.00	7.00	DS077-M-01-038.00 X 046.00 X 04.0/07.0
40.00	48.00	46.00	4.00	5.00	7.00	DS077-M-01-040.00 X 048.00 X 04.0/07.0
42.00	50.00	48.00	4.00	5.00	7.00	DS077-M-01-042.00 X 050.00 X 04.0/07.0
45.00	53.00	51.00	4.00	5.00	7.00	DS077-M-01-045.00 X 053.00 X 04.0/07.0
50.00	58.00	56.00	4.00	5.00	7.00	DS077-M-01-050.00 X 058.00 X 04.0/07.0
55.00	63.00	61.00	4.00	5.00	7.00	DS077-M-01-055.00 X 063.00 X 04.0/07.0
56.00	64.00	62.00	4.00	5.00	7.00	DS077-M-01-056.00 X 064.00 X 04.0/07.0
60.00	68.00	66.00	4.00	5.00	7.00	DS077-M-01-060.00 X 068.00 X 04.0/07.0
62.00	70.00	68.00	4.00	5.00	7.00	DS077-M-01-062.00 X 070.00 X 04.0/07.0
63.00	71.00	69.00	4.00	5.00	7.00	DS077-M-01-063.00 X 071.00 X 04.0/07.0
65.00	73.00	71.00	4.00	5.00	7.00	DS077-M-01-065.00 X 073.00 X 04.0/07.0
70.00	78.00	76.00	4.00	5.00	7.00	DS077-M-01-070.00 X 078.00 X 04.0/07.0
72.00	80.00	78.00	4.00	5.00	7.00	DS077-M-01-072.00 X 080.00 X 04.0/07.0
75.00	83.00	81.00	4.00	5.00	7.00	DS077-M-01-075.00 X 083.00 X 04.0/07.0
80.00	88.00	86.00	4.00	5.00	7.00	DS077-M-01-080.00 X 088.00 X 04.0/07.0
82.00	90.00	88.00	4.00	5.00	7.00	DS077-M-01-082.00 X 090.00 X 04.0/07.0



ROYAL STANDARD SIZE LIST

ØdN (f8)	ØDN (H11)	ØD1 (H11)	H1 (+0.20)	H2	H3	ORDER CODE
85.00	93.00	91.00	4.00	5.00	7.00	DS077-M-01-085.00 X 093.00 X 04.0/07.0
90.00	98.00	96.00	4.00	5.00	7.00	DS077-M-01-090.00 X 098.00 X 04.0/07.0
90.00	102.20	98.00	5.50	7.00	10.00	DS077-M-01-090.00 X 102.20 X 05.5/10.0
95.00	103.00	101.00	4.00	5.00	7.00	DS077-M-01-095.00 X 103.00 X 04.0/07.0
100.00	108.00	106.00	4.00	5.00	7.00	DS077-M-01-100.00 X 108.00 X 04.0/07.0
105.00	117.00	114.00	5.50	7.00	10.00	DS077-M-01-105.00 X 117.00 X 05.5/10.0
110.00	122.00	119.00	5.50	7.00	10.00	DS077-M-01-110.00 X 122.00 X 05.5/10.0
115.00	127.00	124.00	5.50	7.00	10.00	DS077-M-01-115.00 X 127.00 X 05.5/10.0
120.00	132.00	129.00	5.50	7.00	10.00	DS077-M-01-120.00 X 132.00 X 05.5/10.0
125.00	137.00	134.00	5.50	7.00	10.00	DS077-M-01-125.00 X 137.00 X 05.5/10.0
130.00	142.00	139.00	5.50	7.00	10.00	DS077-M-01-130.00 X 142.00 X 05.5/10.0
135.00	147.00	144.00	5.50	7.00	10.00	DS077-M-01-135.00 X 147.00 X 05.5/10.0
140.00	150.00	146.00	5.50	7.00	10.00	DS077-M-01-140.00 X 150.00 X 05.5/10.0
140.00	152.00	149.00	5.50	7.00	10.00	DS077-M-01-140.00 X 152.00 X 05.5/10.0
150.00	162.00	159.00	5.50	7.00	10.00	DS077-M-01-150.00 X 162.00 X 05.5/10.0
160.00	172.00	169.00	5.50	7.00	10.00	DS077-M-01-160.00 X 172.00 X 05.5/10.0
170.00	182.00	179.00	5.50	7.00	10.00	DS077-M-01-170.00 X 182.00 X 05.5/10.0
180.00	192.00	189.00	5.50	7.00	10.00	DS077-M-01-180.00 X 192.00 X 05.5/10.0
190.00	202.00	199.00	5.50	7.00	10.00	DS077-M-01-190.00 X 202.00 X 05.5/10.0
200.00	212.00	209.00	5.50	7.00	10.00	DS077-M-01-200.00 X 212.00 X 05.5/10.0