

## DUST SEAL

## DS022

### Features:

Wiper seal DS022 is a double acting rod wiper for integral housing.

### Composition:

SEAL COMBINATION	SEAL RING COMPOUND	TEMP. RANGE	SURFACE SPEED (Max.)
DS022-01	PU15/PU01/PU57	-40 to 100°C	0.5 m/s
DS022-02	VT04	-25 to 200°C	0.5 m/s

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

### Properties:

- Easy snap in installation
- Very good wiping action
- Highly abrasion resistance

### Application:

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

### 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 10.00 X 16.00 X 4.00/6.00

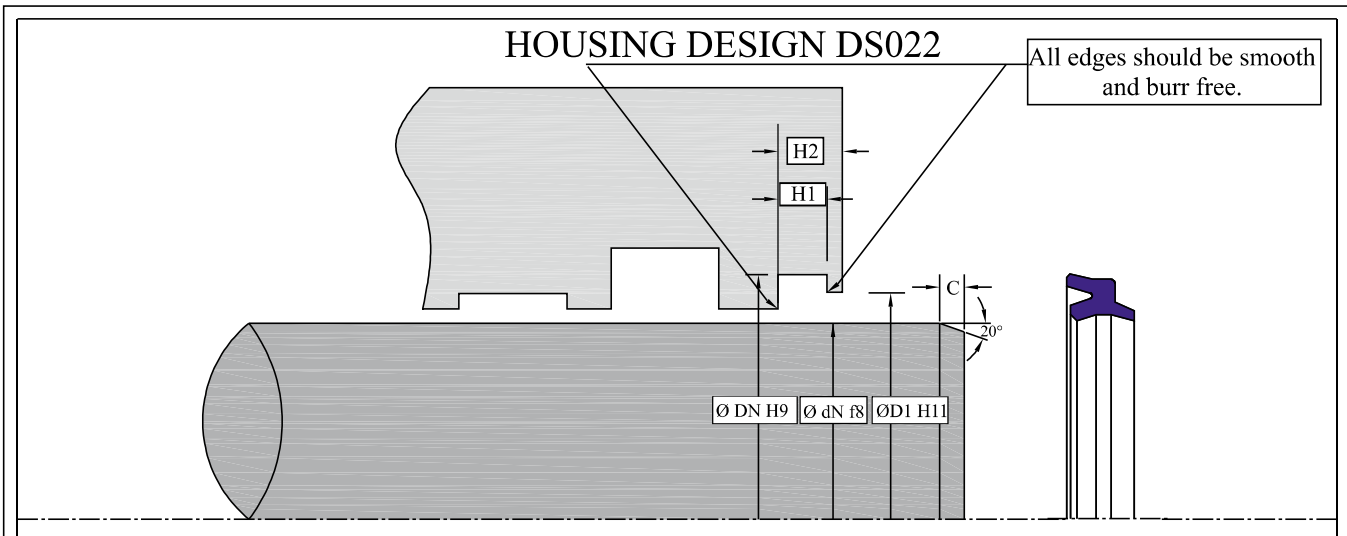
The Order code is **DS022-M-01-010.00 X 016.00 X 04.0/06.0**

Please contact ROYAL at [info@royalcomposites.co.in](mailto:info@royalcomposites.co.in) / [info@royalseals.co.in](mailto:info@royalseals.co.in) if your required size is not mentioned in Royal standard size list



**ROYAL**

SEALS FOR HYDRAULICS & PNEUMATICS



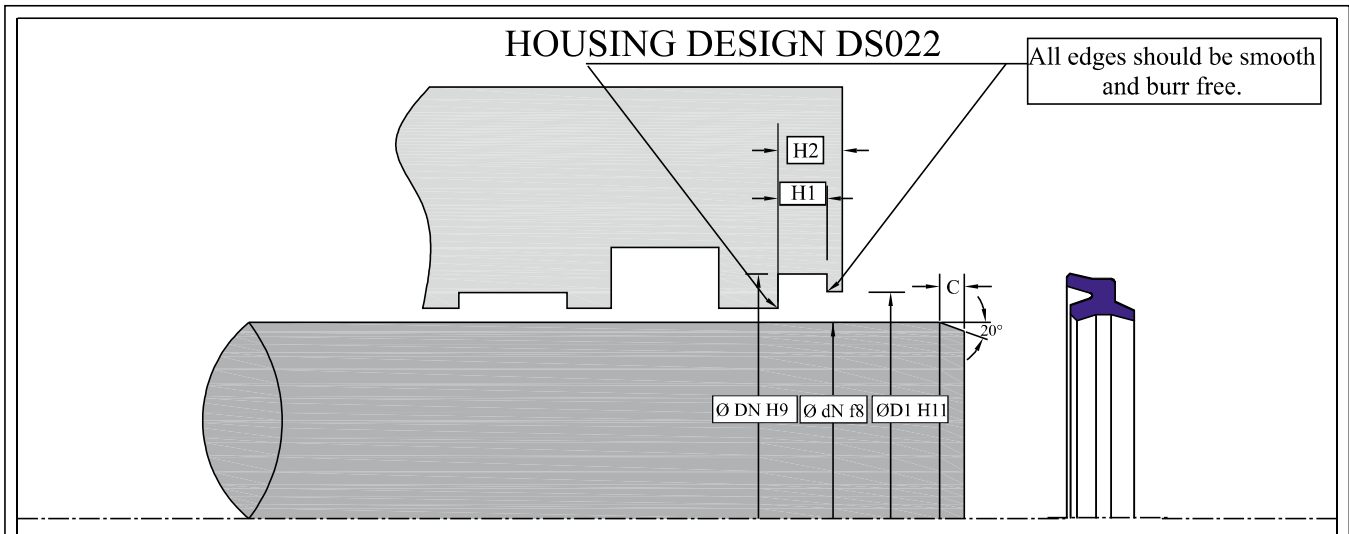
**ROYAL STANDARD SIZE LIST**

$\varnothing dN (f8)$	$\varnothing DN (H11)$	$\varnothing D1 (H11)$	H1(+0.20)	H2	ORDER CODE
7.00	12.00	9.50	3.50	5.00	DS022-M-01-007.00 X 012.00 X 03.5/05.0
10.00	16.00	12.50	4.00	6.00	DS022-M-01-010.00 X 016.00 X 04.0/06.0
10.00	16.00	12.50	4.00	7.00	DS022-M-01-010.00 X 016.00 X 04.0/07.0
12.00	18.00	14.50	4.00	7.00	DS022-M-01-012.00 X 018.00 X 04.0/07.0
14.00	20.00	16.50	4.00	6.00	DS022-M-01-014.00 X 020.00 X 04.0/06.0
14.00	20.00	16.50	4.00	7.00	DS022-M-01-014.00 X 020.00 X 04.0/07.0
16.00	22.00	18.50	4.00	6.00	DS022-M-01-016.00 X 022.00 X 04.0/06.0
16.00	22.00	18.50	4.00	7.00	DS022-M-01-016.00 X 022.00 X 04.0/07.0
16.00	24.00	20.30	5.00	7.00	DS022-M-01-016.00 X 024.00 X 05.0/07.0
16.00	26.00	19.00	4.00	7.50	DS022-M-01-016.00 X 026.00 X 04.0/07.5
16.00	26.00	19.00	4.50	7.50	DS022-M-01-016.00 X 026.00 X 04.5/07.5
18.00	24.00	20.50	4.00	6.00	DS022-M-01-018.00 X 024.00 X 04.0/06.0
18.00	24.00	20.50	4.00	7.00	DS022-M-01-018.00 X 024.00 X 04.0/07.0
18.00	26.00	22.30	5.00	7.00	DS022-M-01-018.00 X 026.00 X 05.0/07.0
20.00	26.00	22.50	4.00	7.00	DS022-M-01-020.00 X 026.00 X 04.0/07.0
20.00	28.00	23.00	4.00	6.00	DS022-M-01-020.00 X 028.00 X 04.0/06.0
22.00	28.00	24.50	4.00	6.00	DS022-M-01-022.00 X 028.00 X 04.0/06.0
22.00	28.00	24.50	4.00	7.00	DS022-M-01-022.00 X 028.00 X 04.0/07.0
25.00	31.00	27.50	4.00	6.00	DS022-M-01-025.00 X 031.00 X 04.0/06.0
25.00	31.00	27.50	4.00	7.00	DS022-M-01-025.00 X 031.00 X 04.0/07.0
25.00	33.00	28.00	4.00	6.00	DS022-M-01-025.00 X 033.00 X 04.0/06.0
25.00	33.00	28.00	4.00	7.00	DS022-M-01-025.00 X 033.00 X 04.0/07.0
25.00	33.00	28.00	5.00	7.00	DS022-M-01-025.00 X 033.00 X 05.0/07.0
28.00	36.00	31.00	5.00	7.00	DS022-M-01-028.00 X 036.00 X 05.0/07.0
28.00	36.00	31.00	5.00	8.00	DS022-M-01-028.00 X 036.00 X 05.0/08.0
30.00	38.00	33.00	5.00	7.00	DS022-M-01-030.00 X 038.00 X 05.0/07.0
30.00	38.00	33.00	5.00	8.00	DS022-M-01-030.00 X 038.00 X 05.0/08.0
30.00	40.00	34.00	6.00	8.00	DS022-M-01-030.00 X 040.00 X 06.0/08.0
31.50	40.00	34.50	5.00	7.00	DS022-M-01-031.50 X 040.00 X 05.0/07.0
32.00	40.00	35.00	5.00	8.00	DS022-M-01-032.00 X 040.00 X 05.0/08.0
32.00	40.00	35.00	8.00	11.00	DS022-M-01-032.00 X 040.00 X 08.0/11.0
35.00	43.00	38.00	5.00	8.00	DS022-M-01-035.00 X 043.00 X 05.0/08.0



**ROYAL**

SEALS FOR HYDRAULICS & PNEUMATICS



**ROYAL STANDARD SIZE LIST**

ØdN (f8)	ØDN (H11)	ØD1 (H11)	H1(+0.20)	H2	ORDER CODE
36.00	44.00	39.00	5.00	8.00	DS022-M-01-036.00 X 044.00 X 05.0/08.0
40.00	48.00	43.00	5.00	8.00	DS022-M-01-040.00 X 048.00 X 05.0/08.0
40.00	50.00	43.00	5.00	7.00	DS022-M-01-040.00 X 050.00 X 05.0/07.0
42.00	50.00	45.00	5.00	7.00	DS022-M-01-042.00 X 050.00 X 05.0/07.0
42.00	51.00	45.00	4.50	6.00	DS022-M-01-042.00 X 051.00 X 04.5/06.0
45.00	53.00	48.00	5.00	8.00	DS022-M-01-045.00 X 053.00 X 05.0/08.0
45.00	54.00	48.00	4.50	6.00	DS022-M-01-045.00 X 054.00 X 04.5/06.0
45.00	54.00	48.00	5.50	7.00	DS022-M-01-045.00 X 054.00 X 05.5/07.0
50.00	58.00	53.00	5.00	8.00	DS022-M-01-050.00 X 058.00 X 05.0/08.0
50.00	58.00	53.00	5.30	7.00	DS022-M-01-050.00 X 058.00 X 05.3/07.0
54.00	62.00	57.00	6.00	9.00	DS022-M-01-054.00 X 062.00 X 06.0/09.0
55.00	65.00	58.00	6.00	9.00	DS022-M-01-055.00 X 065.00 X 06.0/09.0
56.00	66.00	59.00	6.00	9.00	DS022-M-01-056.00 X 066.00 X 06.0/09.0
60.00	68.00	63.00	5.00	6.50	DS022-M-01-060.00 X 068.00 X 05.0/06.5
60.00	70.00	63.00	4.00	7.00	DS022-M-01-060.00 X 070.00 X 04.0/07.0
60.00	70.00	63.00	6.00	9.00	DS022-M-01-060.00 X 070.00 X 06.0/09.0
63.00	71.00	66.00	5.00	7.00	DS022-M-01-063.00 X 071.00 X 05.0/07.0
63.00	73.00	66.00	6.00	9.00	DS022-M-01-063.00 X 073.00 X 06.0/09.0
65.00	75.00	68.00	6.00	9.00	DS022-M-01-065.00 X 075.00 X 06.0/09.0
70.00	80.00	73.00	6.00	9.00	DS022-M-01-070.00 X 080.00 X 06.0/09.0
75.00	83.60	78.00	5.00	7.00	DS022-M-01-075.00 X 083.60 X 05.0/07.0
75.00	85.00	78.00	6.00	9.00	DS022-M-01-075.00 X 085.00 X 06.0/09.0
75.00	89.00	79.00	6.00	11.00	DS022-M-01-075.00 X 089.00 X 06.0/11.0
80.00	90.00	83.00	6.00	9.00	DS022-M-01-080.00 X 090.00 X 06.0/09.0
80.00	92.00	83.00	7.00	11.00	DS022-M-01-080.00 X 092.00 X 07.0/11.0
85.00	95.00	88.00	6.00	9.00	DS022-M-01-085.00 X 095.00 X 06.0/09.0
90.00	100.00	93.00	6.00	9.00	DS022-M-01-090.00 X 100.00 X 06.0/09.0
90.00	104.00	94.00	6.00	11.00	DS022-M-01-090.00 X 104.00 X 06.0/11.0
94.00	104.00	97.00	6.00	8.00	DS022-M-01-094.00 X 104.00 X 06.0/08.0
95.00	103.60	98.00	5.00	7.00	DS022-M-01-095.00 X 103.60 X 05.0/07.0
100.00	110.00	103.00	6.00	9.00	DS022-M-01-100.00 X 110.00 X 06.0/09.0
110.00	120.00	113.00	6.00	9.00	DS022-M-01-110.00 X 120.00 X 06.0/09.0

