

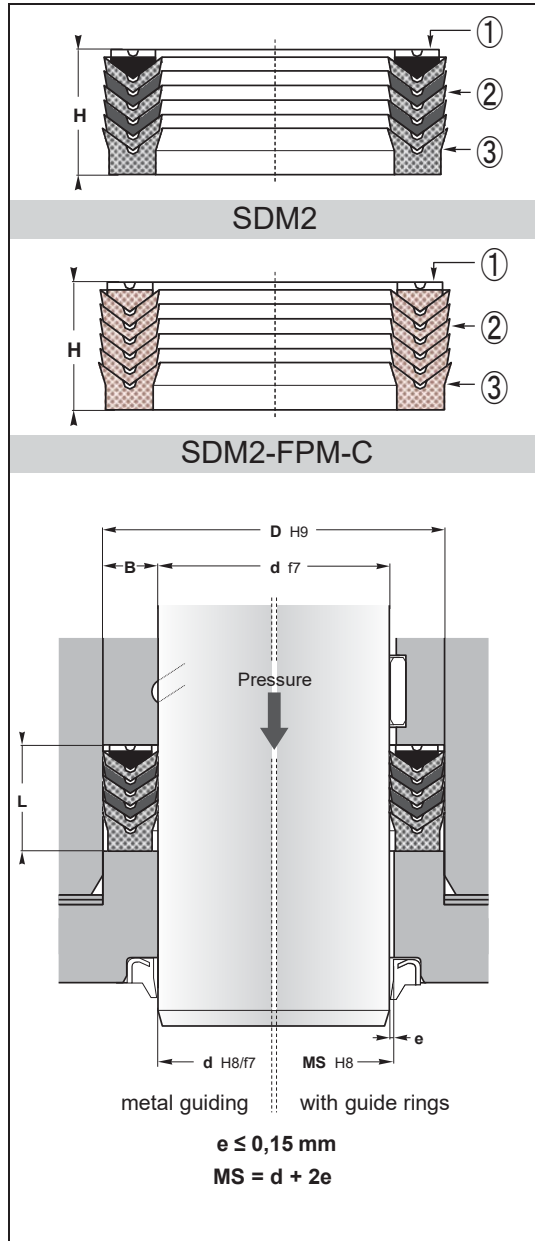
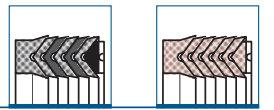


SDM2



SDM2-FPM-C

V-pack rod seals



V-pack set **SDM2** is a sealing system with 3 fabric and 2 elastomer sealing rings. This combination guarantees minimal leakage. The V-packs are, due to their geometrical composition, always used in conjunction with a spreader ring and a base ring. V-pack sets are used in extreme application areas.

SDM2 V-packs are made up of "V" shaped rings combination that are preformed and moulded with NBR applied on cotton fabric.

They consist of 7 elements in total which are 1 spreader ring, 3 NBR-fabric V-ring, 2 NBR V-ring and 1 NBR-fabric base ring.

These packs are recommended to be used in rod applications and be assembled in open seal housing.

It is not recommended to overpress the rings during assembly because it will lead to high friction and very short lifespan.

Operating conditions

Pressure	≤ 50 MPa
Temperature	
SDM2	-30°C to 105°C
SDM2-FPM-C	-20°C to 150°C
Speed	≤ 0,5 m/s

Materials NBR seals

Spreader ring ①	Acetal resin or NBR-fabric
V-ring ②	generally: 2 x NBR + 3 x NBR-fabric
Base ring ③	NBR-fabric

Materials FPM seals

Spreader ring ①	PT01
V-ring ②	generally: 5 x FPM-fabric
Base ring ③	FPM-fabric

Assembly

In open housings with adjustable length

Advantages

- High operating temperature capability
- Large range of sizes
- For difficult operating conditions: high pressure peaks, bad sliding surfaces, ...
- Adjustable
- Not sensitive to contamination of the medium

Please contact us for applications approaching maximum values.

d	D	L	Reference
20	32	22,5	SDM2-020
22	34	22,5	SDM2-022
25	40	22,5	SDM2-025
28	43	22,5	SDM2-028
30	45	22,5	SDM2-030
32	47	22,5	SDM2-032
35	50	22,5	SDM2-035
36	51	22,5	SDM2-036
40	55	22,5	SDM2-040
42	57	22,5	SDM2-042
45	65	27,5	SDM2-045
50	70	30	SDM2-050
55	75	30	SDM2-055
56	76	37	SDM2-056
60	80	37	SDM2-060
63	83	37	SDM2-063
65	85	40	SDM2-065
70	90	40	SDM2-070
75	95	40	SDM2-075
80	100	40	SDM2-080
85	105	40	SDM2-085
90	110	40	SDM2-090
100	120	40	SDM2-100
110	130	40	SDM2-110
115	140	46	SDM2-115
120	145	46	SDM2-120
125	150	46	SDM2-125
140	165	46	SDM2-140
150	180	60	SDM2-150
160	190	60	SDM2-160
180	210	60	SDM2-180
200	230	60	SDM2-200

FPM seals			
d	D	L	Reference
20	32	22,5	SDM2-020-FPM-C
25	40	22,5	SDM2-025-FPM-C
28	43	22,5	SDM2-028-FPM-C
30	45	22,5	SDM2-030-FPM-C
35	50	22,5	SDM2-035-FPM-C
36	51	22,5	SDM2-036-FPM-C
40	55	22,5	SDM2-040-FPM-C
45	65	27,5	SDM2-045-FPM-C
50	70	30	SDM2-050-FPM-C
55	75	30	SDM2-055-FPM-C
56	76	37	SDM2-056-FPM-C
60	80	37	SDM2-060-FPM-C
63	83	37	SDM2-063-FPM-C
65	85	40	SDM2-065-FPM-C
70	90	40	SDM2-070-FPM-C
80	100	40	SDM2-080-FPM-C
85	105	40	SDM2-085-FPM-C
90	110	40	SDM2-090-FPM-C
100	120	40	SDM2-100-FPM-C
110	130	40	SDM2-110-FPM-C
125	150	46	SDM2-125-FPM-C
140	165	46	SDM2-140-FPM-C
160	190	60	SDM2-160-FPM-C
180	210	60	SDM2-180-FPM-C
200	230	60	SDM2-200-FPM-C

Calculation of housing length L

Control the length **H**. The housing length **L** must be calculated in accordance to the table below.

B	≤ 6,5	6,6 → 10	10,1 → 15
L	H +1,2	H +1,5	H +1,8