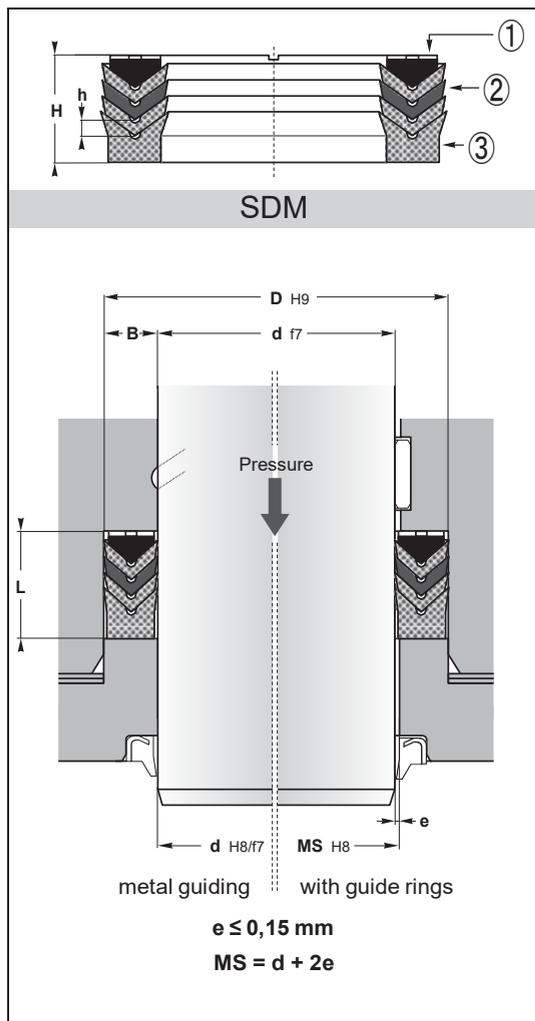




SDM

Veepac seals



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All sizes have **V-rings** manufactured from rubberised fabric increasing strength and durability and allowing an oil film **to lubricate the other parts of the seal**. The smaller sizes are supplied with a rubber V-ring between the rubberised fabric V-rings.

The female adaptor or **base ring** uses a hard rubberised fabric to support the V-rings and protect them from extrusion damage. At high pressure the lips of the base ring act as a secondary seal.

Operating conditions

| | |
|-------------|----------------|
| Pressure | ≤ 40 MPa |
| Temperature | -30°C to 120°C |
| Speed | ≤ 0,5 m/s |

Materials

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

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 → 18 | 18,1 → 24,9 | ≥ 25 |
| L | H+1 | H+1,2 | H+1,4 | H+2 | H+2,5 |

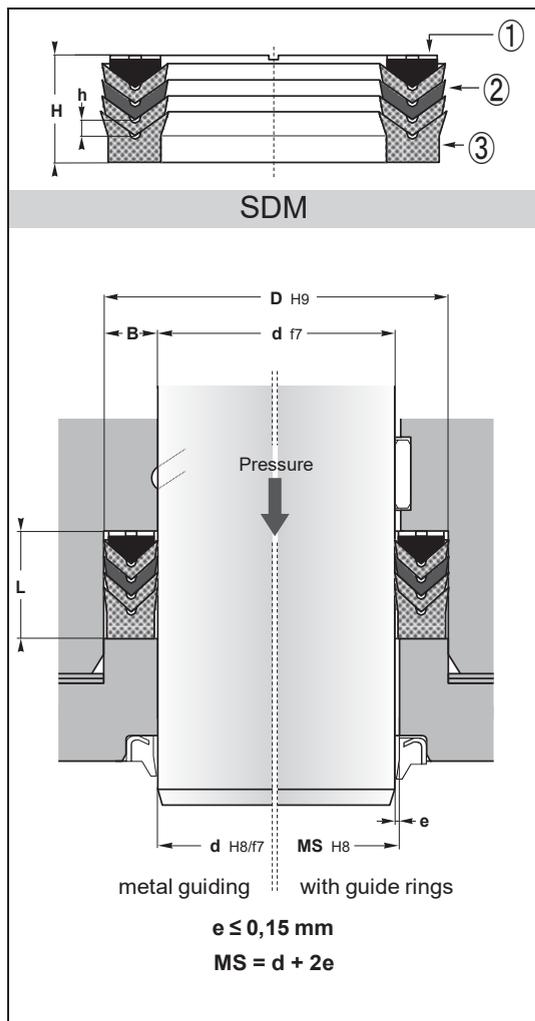
| d | D | L | h | Reference |
|-------|-------|-------|------|------------------|
| 10 | 20 | 11 | 1,7 | SDM-078039-B-131 |
| 12 | 25 | 14,32 | 2,56 | SDM-098047-B-131 |
| 12,7 | 25,4 | 19,05 | 3,17 | SDM-100050-131 |
| 16 | 29 | 14,32 | 2,56 | SDM-114062-B-131 |
| 18,25 | 28,57 | 16,05 | 2,64 | SDM-112071-131 |
| 20 | 30 | 21,5 | 3,81 | SDM-118078-131 |
| | 32 | 18,2 | 3,15 | SDM-125078-131 |
| | 33 | 14,32 | 2,56 | SDM-129078-B-131 |
| | 36 | 24 | 4,04 | SDM-141078-131 |
| 22 | 32 | 18,13 | 2,75 | SDM-125086-131 |
| 25 | 35 | 17,3 | 2,82 | SDM-137098-131 |
| | 40 | 19,84 | 3,5 | SDM-157098-131 |
| | 42 | 25,4 | 4,29 | SDM-165098-131 |
| | 45 | 25,4 | 4,5 | SDM-177098-131 |
| 25,4 | 38,1 | 19,45 | 3,48 | SDM-150100-131 |
| 26 | 45 | 29,37 | 5,16 | SDM-177102-131 |
| 28 | 40 | 17 | 2,8 | SDM-157110-131 |
| 28,57 | 41,27 | 19,84 | 3,5 | SDM-162112-131 |
| 30 | 40 | 21,8 | 3,76 | SDM-157118-131 |
| | 42 | 20 | 3,45 | SDM-165118-131 |
| | 50 | 29,37 | 5,08 | SDM-196118-131 |
| 31,75 | 44,45 | 19,05 | 3,5 | SDM-175125-131 |
| 32 | 42 | 17,3 | 2,82 | SDM-165125-131 |
| | 48 | 17,63 | 3,17 | SDM-188125-B-131 |
| 34,92 | 50,8 | 24,21 | 4,14 | SDM-200137-131 |
| 35 | 45 | 21,78 | 3,81 | SDM-177137-131 |
| | 50 | 22,5 | 3,57 | SDM-196137-131 |
| 36 | 52 | 17,6 | 3,17 | SDM-204141-B-131 |
| 38 | 55 | 28 | 5,05 | SDM-216149-131 |

| d | D | L | h | Reference |
|-------|-------|-------|------|------------------|
| 38,1 | 50,8 | 19,45 | 3,51 | SDM-200150-131 |
| | 53,97 | 25,27 | 4,6 | SDM-212150-131 |
| | 53,97 | 27,78 | 4,6 | SDM-212150-B-131 |
| | 57,15 | 28,7 | 3,8 | SDM-225150-131 |
| 39 | 55 | 25,4 | 4,65 | SDM-216153-131 |
| 40 | 50 | 17,3 | 2,82 | SDM-196157-131 |
| | 55 | 22,62 | 3,84 | SDM-216157-131 |
| | 55 | 26,19 | 4,14 | SDM-216157/1-131 |
| | 56 | 17,63 | 3,17 | SDM-220157-B-131 |
| | 60 | 30 | 5,16 | SDM-236157-131 |
| | 65 | 35,72 | 6,15 | SDM-255157-131 |
| 44,45 | 57,15 | 21,83 | 3,8 | SDM-225175-131 |
| | 60,32 | 27,8 | 4,07 | SDM-237175-131 |
| 45 | 55 | 17,5 | 2,8 | SDM-216177-131 |
| | 60 | 22,22 | 3,89 | SDM-236177-131 |
| | 65 | 28 | 5,34 | SDM-255177-131 |
| 48 | 60 | 25 | 4,07 | SDM-236188-131 |
| 50 | 70 | 21,94 | 3,95 | SDM-275196-B-131 |
| | 70 | 30 | 5,16 | SDM-275196-131 |
| 50,8 | 63,5 | 19,84 | 3,35 | SDM-250200-131 |
| | 66,67 | 23 | 4,27 | SDM-262200-131 |
| | 66,67 | 25,27 | 4,27 | SDM-262200/1-131 |
| | 69,85 | 33,5 | 5,08 | SDM-275200-131 |
| 53,97 | 63,5 | 16,67 | 2,59 | SDM-250212-131 |
| | 69,85 | 25,27 | 4,07 | SDM-275212-131 |
| 55 | 67 | 25 | 4,07 | SDM-263216-131 |
| | 70 | 26,5 | 4,05 | SDM-275216-131 |
| | 75 | 30 | 6,48 | SDM-295216-131 |
| | 75 | 38,5 | 6,48 | SDM-295216-B-131 |
| 56 | 71 | 17,2 | 3 | SDM-279220-131 |
| | 76 | 21,95 | 3,94 | SDM-299220-B-131 |
| | 76 | 33,4 | 5,38 | SDM-299220-131 |
| 57,15 | 69,85 | 19,05 | 3,25 | SDM-275225-131 |
| | 73,02 | 27,78 | 4,27 | SDM-287225-131 |
| | 76,2 | 32,54 | 5,16 | SDM-300225-131 |



SDM

Veepac seals



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The female adaptor or **base ring** uses a hard rubberised fabric to support the V-rings and protect them from extrusion damage. At high pressure the lips of the base ring act as a secondary seal.

Operating conditions

| | |
|-------------|----------------|
| Pressure | ≤ 40 MPa |
| Temperature | -30°C to 120°C |
| Speed | ≤ 0,5 m/s |

Materials

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

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Calculation of housing length L

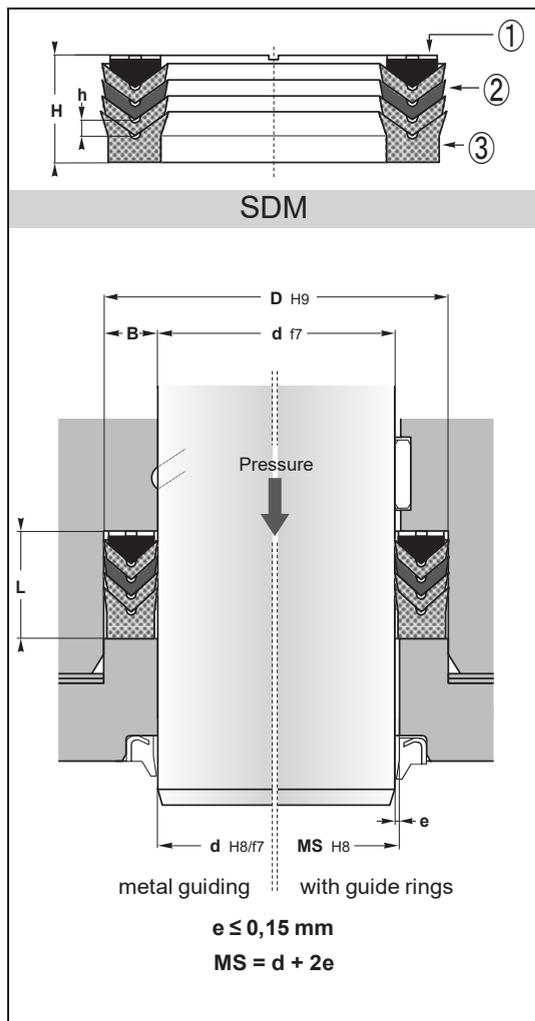


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| | | | | | |
|----------|-------|----------|-----------|-------------|-------|
| B | ≤ 6,5 | 6,6 → 10 | 10,1 → 18 | 18,1 → 24,9 | ≥ 25 |
| L | H+1 | H+1,2 | H+1,4 | H+2 | H+2,5 |

| d | D | L | h | Reference |
|-------|--------|-------|------|------------------|
| 60 | 76 | 29 | 4,34 | SDM-299236-131 |
| | 77 | 27 | 4,59 | SDM-303236-131 |
| | 80 | 32,15 | 5,66 | SDM-314236-131 |
| 63 | 83 | 21,94 | 3,95 | SDM-326248-B-131 |
| 63,5 | 76,2 | 18,25 | 3,17 | SDM-300250-131 |
| | 79,37 | 23,81 | 4,34 | SDM-312250-131 |
| | 80 | 28 | 5,03 | SDM-314250-131 |
| 65 | 77 | 21 | 4,04 | SDM-303255-131 |
| | 85 | 29 | 5,21 | SDM-334255-131 |
| | 90 | 30 | 5 | SDM-354255-131 |
| 69,85 | 88,9 | 25,4 | 4,83 | SDM-350275-131 |
| 70 | 85 | 28 | 4,32 | SDM-334275-131 |
| | 90 | 21,95 | 3,95 | SDM-354275-B-131 |
| | 90 | 30 | 5,08 | SDM-354275-131 |
| 73,02 | 88,9 | 26,58 | 4,34 | SDM-350287-131 |
| 75 | 90 | 22,5 | 4,04 | SDM-354295-131 |
| | 95 | 30 | 5,21 | SDM-374295-131 |
| | 100 | 30 | 5,8 | SDM-393295-131 |
| 76,2 | 88,9 | 16,27 | 2,78 | SDM-350300-131 |
| | 95,25 | 28,97 | 4,98 | SDM-375300-131 |
| 80 | 95 | 17,5 | 3,05 | SDM-374314-131 |
| | 100 | 30 | 4,83 | SDM-393314-131 |
| | 105 | 27,41 | 4,98 | SDM-413314-B-131 |
| 82,55 | 101,6 | 28,97 | 4,88 | SDM-400325-131 |
| 85 | 100 | 17,3 | 2,5 | SDM-393334-131 |
| | 105 | 25,8 | 3,86 | SDM-413350-131 |
| 88,9 | 101,6 | 17 | 3,4 | SDM-400350-131 |
| | 107,95 | 33,33 | 4,9 | SDM-425350-B-131 |
| 90 | 105 | 31,75 | 5,71 | SDM-413354-131 |
| | 110 | 25 | 4,88 | SDM-433354-B-131 |
| | 110 | 26,88 | 4,84 | SDM-433354-131 |
| 95 | 115 | 27,41 | 4,98 | SDM-452354-B-131 |
| | 110 | 24 | 4,11 | SDM-433374-131 |

| d | D | L | h | Reference |
|--------|--------|-------|------|------------------|
| 95,25 | 111,13 | 24,3 | 4,09 | SDM-437375-131 |
| | 123,82 | 36,96 | 6,55 | SDM-487387-131 |
| 100 | 114,3 | 20,64 | 3,57 | SDM-450393-131 |
| | 115 | 25,3 | 3,96 | SDM-452393-131 |
| | 120 | 28 | 5,16 | SDM-472393-131 |
| | 125 | 27,4 | 4,98 | SDM-492393-B-131 |
| 104 | 125 | 36,9 | 6,6 | SDM-492393-131 |
| | 130 | 37 | 6,73 | SDM-511409-131 |
| 105 | 120 | 25 | 4 | SDM-472413-131 |
| | 125 | 29,76 | 5 | SDM-492413-131 |
| | 135 | 34,5 | 5,8 | SDM-531413-131 |
| 110 | 132 | 36,5 | 6,96 | SDM-519433-131 |
| | 140 | 41,2 | 7 | SDM-551433-131 |
| 111,12 | 136,52 | 38,89 | 6,53 | SDM-537437-131 |
| 114 | 130 | 25,8 | 4,8 | SDM-511448-131 |
| 114,3 | 127 | 18,41 | 3,43 | SDM-500450-131 |
| | 133,35 | 28,18 | 5,26 | SDM-525450-131 |
| 115 | 140 | 37,12 | 6 | SDM-551452-131 |
| 117,47 | 142,87 | 36,1 | 6,15 | SDM-562462-131 |
| 120 | 140 | 30 | 5,36 | SDM-551472-131 |
| | 145 | 29,62 | 5,18 | SDM-570492-131 |
| 125 | 150 | 27,4 | 4,98 | SDM-590492-B-131 |
| | 155 | 34,5 | 5,8 | SDM-610492-131 |
| 130 | 150 | 29,76 | 4,96 | SDM-590511-131 |
| | 155 | 40 | 7,2 | SDM-610511-131 |
| | 160 | 41,5 | 5,5 | SDM-629511-131 |
| 135 | 155 | 30,55 | 5,11 | SDM-610531-131 |
| | 160 | 38,5 | 6 | SDM-629531-131 |
| 140 | 160 | 28,5 | 5,16 | SDM-629551-131 |
| | 165 | 41,95 | 6,56 | SDM-649551-131 |
| | 170 | 32,97 | 5,99 | SDM-669551-B-131 |
| 145 | 170 | 38,1 | 6,45 | SDM-669570-131 |



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| | |
|-----------------|-------------------------------------|
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In open housings with adjustable length

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- Not sensitive to contamination of the medium

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| | | | | | |
|----------|-------|----------|-----------|-------------|-------|
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| L | H+1 | H+1,2 | H+1,4 | H+2 | H+2,5 |

| d | D | L | h | Reference |
|--------|--------|-------|------|-------------------|
| 146,05 | 171,45 | 38,89 | 6,53 | SDM-675575-131 |
| 150 | 170 | 30,56 | 5,16 | SDM-669590-131 |
| | 180 | 40 | 7 | SDM-708590-131 |
| 152,4 | 177,8 | 33,34 | 5,77 | SDM-700600-131 |
| 154 | 175 | 29,44 | 5,31 | SDM-688606-131 |
| 160 | 180 | 30 | 5 | SDM-708629-131 |
| | 190 | 32,97 | 5,99 | SDM-748629-B-131 |
| 170 | 195 | 37,5 | 6,55 | SDM-767669-131 |
| | 200 | 50 | 8 | SDM-787669-131 |
| 175 | 200 | 42 | 7,54 | SDM-787688-131 |
| 177,8 | 203,2 | 32,54 | 5,95 | SDM-800700-131 |
| 190 | 220 | 50,5 | 7,5 | SDM-866748-141 |
| 200 | 220 | 30 | 5 | SDM-866787-131 |
| | 230 | 32,97 | 6 | SDM-905787-B-131 |
| 210 | 240 | 34,5 | 5,8 | SDM-944826-131 |
| | 240 | 42,1 | 7,55 | SDM-944826-B-131 |
| | 240 | 65,5 | 8 | SDM-944826-C-151 |
| 220 | 250 | 52 | 8,25 | SDM-984866-131 |
| 228,6 | 254 | 38,1 | 6,3 | SDM-1000900-131 |
| 230 | 260 | 50,5 | 7,5 | SDM-1023905-131 |
| 240 | 270 | 45 | 8,03 | SDM-1062944-131 |
| 250 | 280 | 50,5 | 7,5 | SDM-1102984-C-131 |
| | 280 | 60 | 7,5 | SDM-1102984-B-151 |
| | 280 | 38 | 7,5 | SDM-1102984-D-121 |
| | 280 | 40 | 7,5 | SDM-1102984-131 |
| 260 | 290 | 51,5 | 7,5 | SDM-11411023-131 |
| | 300 | 49 | 8 | SDM-11811023-131 |

| d | D | L | h | Reference |
|-----|-----|-------|------|--------------------|
| 270 | 300 | 46 | 8 | SDM-11811062-131 |
| 280 | 310 | 50,5 | 7 | SDM-12201102-141 |
| | 315 | 38,45 | 6,98 | SDM-12401102-B-131 |
| | 320 | 60 | 10 | SDM-12591102-131 |
| 290 | 320 | 50,8 | 7,29 | SDM-12591141-131 |
| 300 | 320 | 32 | 5 | SDM-12591181-131 |
| | 330 | 52 | 7,5 | SDM-12991181-131 |
| 315 | 345 | 53,8 | 7,5 | SDM-13581240-141 |
| | 350 | 38,45 | 6,98 | SDM-13771240-B-131 |
| 320 | 350 | 49,2 | 7 | SDM-13771259-131 |
| | 350 | 41 | 7 | SDM-13771259-B-131 |
| | 360 | 61 | 9 | SDM-14171259-131 |
| | 365 | 55 | 8,5 | SDM-14371259-131 |
| 340 | 380 | 50,5 | 8,5 | SDM-14961338-B-131 |
| 350 | 380 | 50,5 | 7 | SDM-14961377-131 |
| | 390 | 61,6 | 10 | SDM-15351377-131 |
| 360 | 390 | 39 | 8 | SDM-15351417-121 |
| | 400 | 80 | 9 | SDM-15741417-151 |
| 380 | 420 | 61 | 10 | SDM-16531496-131 |
| 400 | 440 | 54 | 10 | SDM-17321574-131 |
| | 440 | 65,5 | 10 | SDM-17321574-B-141 |
| 410 | 450 | 65,5 | 10 | SDM-17711614-141 |
| 420 | 460 | 54 | 9 | SDM-18111653-131 |
| 450 | 500 | 76,5 | 13 | SDM-19681771-131 |
| 460 | 500 | 53,4 | 8,4 | SDM-19681811-131 |
| 500 | 550 | 74 | 12,5 | SDM-21651968-131 |
| 590 | 630 | 53 | 9,2 | SDM-24802322-131 |