



# DRM1-S

High performance conical spring o-ring mounted seal

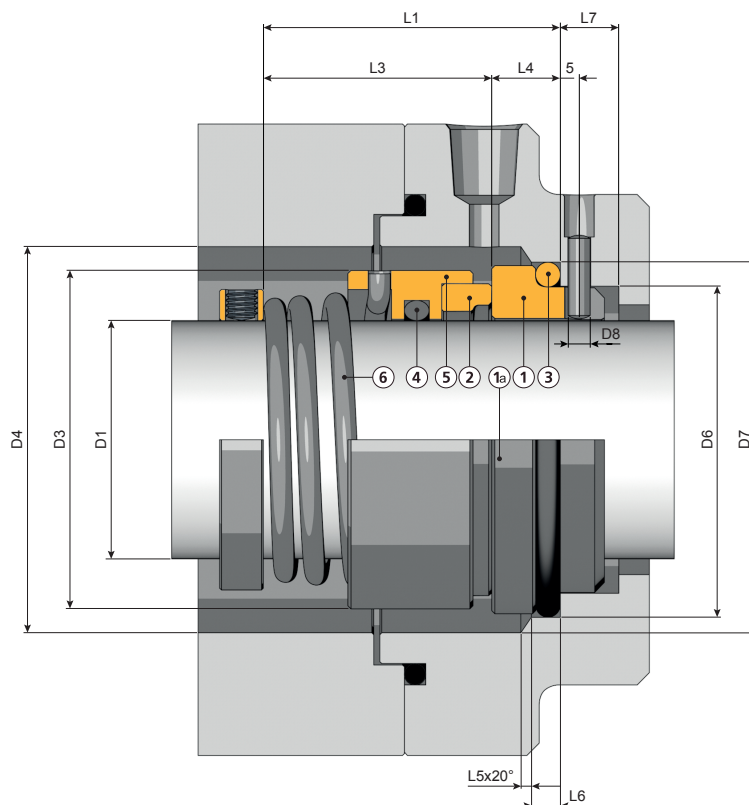
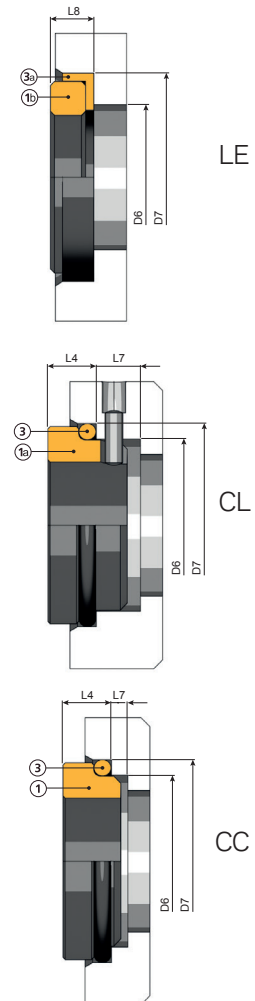


## Characteristics DRM1-S

- Single seal conical spring
- Unbalanced
- Direction of rotation dependent
- Pressure to Vacuum / 12 bar
- Temperature -20/+200°C
- Speed 15m/s max

|    |                            |    |                        |
|----|----------------------------|----|------------------------|
| 1  | Stationary ring type CC    | 3a | Stationary ring Gasket |
| 1a | Stationary ring type CL    | 4  | Rotating ring O-ring   |
| 1b | Stationary ring type LE    | 5  | Washer                 |
| 1c | Stationary ring type CC/CL | 6  | Springs                |
| 2  | Rotating ring              | 7  | Seal body              |
| 3  | Stationary o-ring          |    |                        |

## Stationary seats





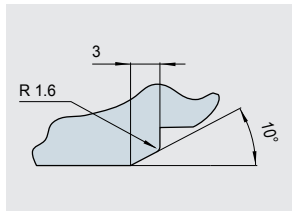
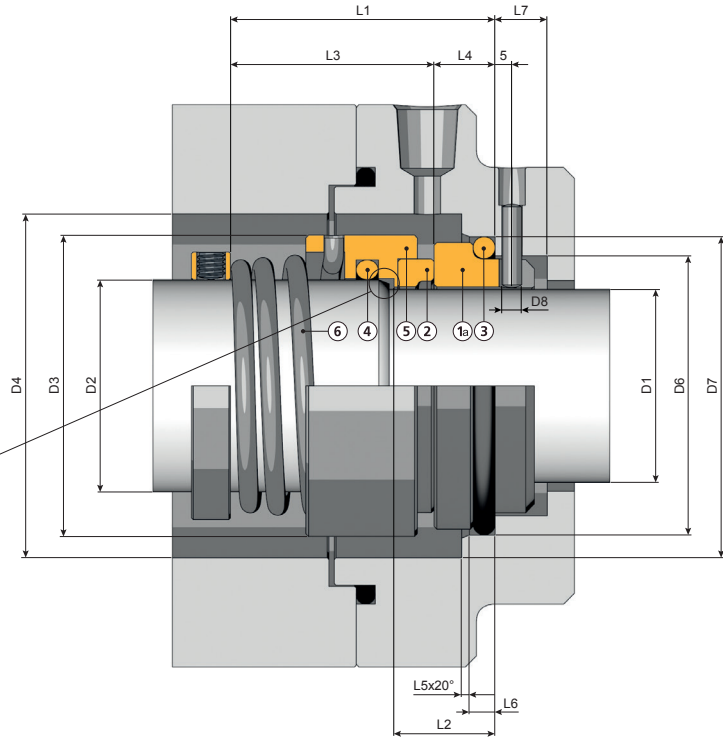
# DRM1-S

## High performance conical spring o-ring mounted seal

### DRM1-HS

#### Characteristics

Single seal conical spring  
 Balanced  
 Secondary seals PTFE  
 Dependent on direction of rotation  
 Pressure to Vacuum/25 bar  
 Temperature -20/+250°C  
 Speed 15m/s max



| D1  | D2  | D3  | D3' | D4min | D4'min | D6 H11 | D7 H8 | D8pin | L1±0,5 | L1'±0,5 | L3±0,5 | L3'±0,5 | L4  | L5  | L6 | L7  | L8 seriesFG | L8 series FP |
|-----|-----|-----|-----|-------|--------|--------|-------|-------|--------|---------|--------|---------|-----|-----|----|-----|-------------|--------------|
| 14  | 18  | 24  | 32  | 26    | 34     | 21     | 25    | 3     | 26,5   | 39,5    | 18     | 31      | 8,5 | 1,5 | 4  | 8,5 | 6,6         | -            |
| 16  | 20  | 26  | 34  | 28    | 36     | 23     | 27    | 3     | 28     | 41      | 19,5   | 32,5    | 8,5 | 1,5 | 4  | 8,5 | 6,6         | 10           |
| 18  | 22  | 32  | 36  | 34    | 38     | 27     | 33    | 3     | 31     | 44      | 21     | 34      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 20  | 24  | 34  | 38  | 36    | 40     | 29     | 35    | 3     | 33,5   | 44      | 23,5   | 34      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 22  | 26  | 36  | 40  | 38    | 42     | 31     | 37    | 3     | 33     | 44      | 23     | 34      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 24  | 28  | 38  | 42  | 40    | 44     | 33     | 39    | 3     | 35     | 44      | 25     | 34      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 25  | 30  | 39  | 44  | 41    | 46     | 34     | 40    | 3     | 38     | 45      | 28     | 35      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 28  | 33  | 42  | 47  | 44    | 49     | 37     | 43    | 3     | 38     | 47      | 28     | 37      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 30  | 35  | 44  | 49  | 46    | 51     | 39     | 45    | 3     | 38     | 47      | 28     | 37      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 32  | 38  | 46  | 54  | 48    | 58     | 42     | 48    | 3     | 40     | 51      | 30     | 41      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 33  | 38  | 47  | 54  | 49    | 58     | 42     | 48    | 3     | 40     | 51      | 30     | 41      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 35  | 40  | 49  | 56  | 51    | 60     | 44     | 50    | 3     | 40     | 55      | 30     | 45      | 10  | 2   | 5  | 9   | 7,5         | 10           |
| 38  | 43  | 54  | 59  | 58    | 63     | 49     | 56    | 4     | 47,5   | 60      | 36,5   | 49      | 11  | 2   | 6  | 9   | 9           | 10           |
| 40  | 45  | 56  | 61  | 60    | 65     | 51     | 58    | 4     | 50     | 62      | 39     | 51      | 11  | 2   | 6  | 9   | 9           | 11,5         |
| 43  | 48  | 59  | 64  | 63    | 68     | 54     | 61    | 4     | 52,5   | 65      | 41,5   | 54      | 11  | 2   | 6  | 9   | 9           | 11,5         |
| 45  | 50  | 61  | 66  | 65    | 70     | 56     | 63    | 4     | 53,5   | 69      | 42,5   | 58      | 11  | 2   | 6  | 9   | 9           | 11,5         |
| 48  | 53  | 64  | 69  | 68    | 73     | 59     | 66    | 4     | 60     | 69      | 49     | 58      | 11  | 2   | 6  | 9   | 9           | 11,5         |
| 50  | 55  | 66  | 71  | 70    | 75     | 62     | 70    | 4     | 60     | 73      | 47     | 60      | 13  | 2,5 | 6  | 9   | 9,5         | 11,5         |
| 53  | 58  | 69  | 78  | 73    | 83     | 65     | 73    | 4     | 62     | 75      | 49     | 62      | 13  | 2,5 | 6  | 9   | 11          | 11,5         |
| 55  | 60  | 71  | 80  | 75    | 85     | 67     | 75    | 4     | 64     | 75      | 51     | 62      | 13  | 2,5 | 6  | 9   | 11          | 11,5         |
| 58  | 63  | 78  | 83  | 83    | 88     | 70     | 78    | 4     | 70     | 75      | 57     | 62      | 13  | 2,5 | 6  | 9   | 11          | -            |
| 60  | 65  | 80  | 85  | 85    | 90     | 72     | 80    | 4     | 70     | 75      | 57     | 62      | 13  | 2,5 | 6  | 9   | 11          | -            |
| 63  | 68  | 83  | 88  | 88    | 93     | 75     | 83    | 4     | 70     | 75      | 57     | 62      | 13  | 2,5 | 6  | 9   | 11          | -            |
| 65  | 70  | 85  | 90  | 90    | 95     | 77     | 85    | 4     | 70     | 76      | 57     | 63      | 13  | 2,5 | 6  | 9   | 11          | -            |
| 68  | -   | 88  | -   | 93    | -      | 81     | 90    | 4     | 73     | -       | 60     | -       | -   | 2,5 | 7  | 9   | 11,3        | -            |
| 70  | 75  | 90  | 99  | 95    | 104    | 83     | 92    | 4     | 75     | 81      | 60     | 66      | 15  | 2,5 | 7  | 9   | 11,3        | -            |
| 75  | 80  | 99  | 104 | 104   | 109    | 88     | 97    | 4     | 80     | 86      | 65     | 71      | 15  | 2,5 | 7  | 9   | 11,3        | -            |
| 80  | 85  | 104 | 109 | 109   | 114    | 95     | 105   | 4     | 80     | 86      | 64     | 70      | 16  | 3   | 7  | 9   | -           | -            |
| 85  | 90  | 109 | 114 | 114   | 119    | 100    | 110   | 4     | 80     | 86      | 64     | 70      | 16  | 3   | 7  | 9   | -           | -            |
| 90  | 95  | 114 | 119 | 119   | 124    | 105    | 115   | 4     | 85     | 91      | 69     | 75      | 16  | 3   | 7  | 9   | -           | -            |
| 95  | 100 | 119 | 124 | 124   | 129    | 110    | 120   | 4     | 85     | 91      | 69     | 75      | 16  | 3   | 7  | 9   | -           | -            |
| 100 | 105 | 124 | 129 | 129   | 134    | 115    | 125   | 4     | 85     | 91      | 69     | 75      | 16  | 3   | 7  | 9   | -           | -            |