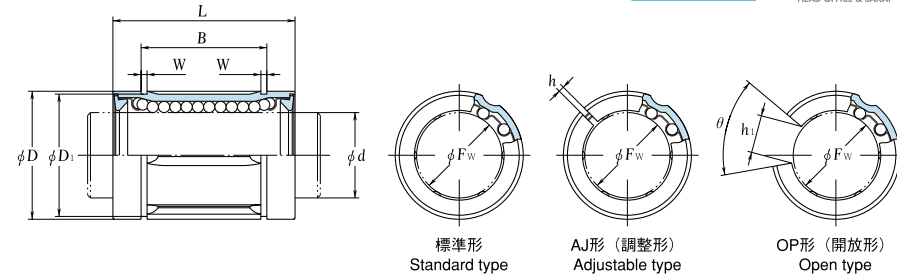


SDM Series

鋼板保持器付き
With steel retainer



| 軸径 Shaft diameter d mm | 呼び番号 Part No. | | | | | 内接円径 Inscribed circle diameter | | 外径 Outside diameter | | 全長 Length | | W | D ₁ | h | h ₁ | θ | 給脂 穴径 Diameter of lube hole | 偏心 Eccentricity (最大) (Max) | | 基本定格荷重 Basic load rating | | (参考値) 質量 (標準形) (Reference Weight (Standard) | 軸径 Shaft diameter d mm | | | | | | |
|------------------------------------|----------------------|-----------------------------|----------------------------|-----------------------|----------------------------|-----------------------------------|--------------------------------|--------------------------|-----|------------------|-----|------|----------------|------|----------------|------|--------------------------------------|----------------------------------|-----|-----------------------------|--------------------------------|--|------------------------------------|--------------------------|--------------------------------|--------------------------|---|----------------|-----|
| | 標準形 Standard type | AJ形(調整形) Adjustable type | ボール 条列 Ball track | OP形(開放形) Open type | ボール 条列 Ball track | F _w | 許容差 Tolerance | | D | 許容差 Tolerance | L | | | | | | | 許容差 Tolerance | B | 許容差 Tolerance | 精密 Precision grade μm | | | 上 High grade μm | 精密 Precision grade μm | 上 High grade μm | C | C ₀ | (g) |
| | | | | | | | 精密 Precision grade μm | 上 High grade μm | | | | | | | | | | | | | | | | | | | | | |
| 6 | SDM6 | SDM6 AJ | 3 | | | 6 | | | 12 | 0 | 19 | | 13.5 | | 1.1 | 11.5 | 1 | | | | | 8 | 12 | 108 | 186 | 7 | 6 | | |
| 8 | SDM8S | SDM8S AJ | 3 | | | 8 | | | 15 | -11 | 17 | | 11.5 | | 1.1 | 14.3 | 1 | | | | | | | 96 | 160 | 10 | 8 | | |
| 8 | SDM8 | SDM8 AJ | 3 | | | 8 | | | 15 | | 24 | | 17.5 | | 1.1 | 14.3 | 1 | | | | | | | 122 | 223 | 14 | 8 | | |
| 10 | SDM10 | SDM10 AJ | 4 | SDM10 OP | 3 | 10 | -6 | -9 | 19 | | 29 | 0 | 22 | 0 | 1.3 | 18 | 1 | 6.8 | 80° | 2.0 | | | 259 | 424 | 27 | 10 | | | |
| 12 | SDM12 | SDM12 AJ | 4 | SDM12 OP | 3 | 12 | | | 21 | 0 | 30 | -200 | 23 | -200 | 1.3 | 20 | 1.5 | 8 | 80° | 2.0 | | | 260 | 431 | 31 | 12 | | | |
| 13 | SDM13 | SDM13 AJ | 4 | SDM13 OP | 3 | 13 | | | 23 | -13 | 32 | | 23 | | 1.3 | 22 | 1.5 | 9 | 80° | 2.0 | | | 289 | 506 | 41 | 13 | | | |
| 16 | SDM16 | SDM16 AJ | 4 | SDM16 OP | 3 | 16 | | | 28 | | 37 | | 26.5 | | 1.6 | 27 | 1.5 | 11 | 80° | 2.3 | | | 480 | 766 | 69 | 16 | | | |
| 20 | SDM20 | SDM20 AJ | 5 | SDM20 OP | 4 | 20 | 0 | 0 | 32 | 0 | 42 | | 30.5 | | 1.6 | 30.5 | 1.5 | 11 | 60° | 2.3 | | | 590 | 1010 | 92 | 20 | | | |
| 25 | SDM25 | SDM25 AJ | 5 | SDM25 OP | 4 | 25 | | | 40 | | 59 | | 41 | | 1.85 | 38 | 2 | 12 | 60° | 3.0 | 10 | 15 | 1130 | 2030 | 200 | 25 | | | |
| 30 | SDM30 | SDM30 AJ | 6 | SDM30 OP | 5 | 30 | -7 | -10 | 45 | -16 | 64 | | 44.5 | | 1.85 | 43 | 2.5 | 15 | 50° | 3.0 | | | 1470 | 2770 | 250 | 30 | | | |
| 35 | SDM35 | SDM35 AJ | 6 | SDM35 OP | 5 | 35 | | | 52 | | 70 | 0 | 49.5 | 0 | 2.1 | 49 | 2.5 | 17 | 50° | 3.0 | | | 1580 | 3070 | 370 | 35 | | | |
| 38 | SDM38 | SDM38 AJ | 6 | SDM38 OP | 5 | 38 | 0 | 0 | 57 | 0 | 76 | -300 | 58.5 | -300 | 2.1 | 54.5 | 3 | 18 | 50° | 3.0 | 12 | 20 | 2020 | 3600 | 490 | 38 | | | |
| 40 | SDM40 | SDM40 AJ | 6 | SDM40 OP | 5 | 40 | -8 | -12 | 60 | -19 | 80 | | 60.5 | | 2.1 | 57 | 3 | 20 | 50° | 3.0 | | | 2180 | 4010 | 590 | 40 | | | |
| 50 | SDM50 | SDM50 AJ | 6 | SDM50 OP | 5 | 50 | | | 80 | | 100 | | 74 | | 2.6 | 76.5 | 3 | 25 | 50° | 4.0 | | | 4420 | 7150 | 1500 | 50 | | | |
| 60 | SDM60 | SDM60 AJ | 6 | SDM60 OP | 5 | 60 | 0 | 0 | 90 | 0 | 110 | | 85 | | 3.15 | 86.5 | 3 | 30 | 50° | 4.0 | 17 | 25 | 5170 | 9030 | 1850 | 60 | | | |
| 80 | SDM80 | SDM80 AJ | 6 | SDM80 OP | 5 | 80 | -9 | -15 | 120 | -22 | 140 | 0 | 105.5 | 0 | 4.15 | 116 | 3 | 40 | 50° | 4.0 | | | 8180 | 12800 | 4200 | 80 | | | |
| 100 | SDM100 | SDM100 AJ | 6 | SDM100 OP | 5 | 100 | 0 | 0 | 150 | 0 | 175 | 0 | 125.5 | 0 | 4.15 | 145 | 3 | 50 | 50° | 4.0 | 20 | 30 | 12300 | 19700 | 8200 | 100 | | | |
| 120 | SDM120 | SDM120 AJ | 8 | SDM120 OP | 6 | 120 | -10 | -20 | 180 | -25 | 200 | -400 | 158.6 | -400 | 4.15 | 175 | 4 | 85 | 80° | 5.0 | | | 22300 | 39100 | 15500 | 120 | | | |

備考 1. 密封形ご用命の際は、呼び番号の末尾にU (片シール記号)、またはUU (両シール記号) をつけてください。
2. SDM120系のみ、冷間塑性加工によらない軌道成形加工を採用しておりますので、外径に塑性押し出し溝はありません。
3. 外径溝規格が変更になりました。外径止め輪を利用される場合、お手数ですが、規格の変更にご注意ください。

Remark: 1. When ordering sealed bearing, suffix "U" (sealed on one side) and "UU" (sealed on both sides).
2. For SDM120 (AJ/OP), the outer race is not cold press formed. Therefore, there is no axial recess on the outer race.
3. Please note the change of the dimensional standard for the grooves on the outside diameter of the outer race.
When using snap rings, check new and old relative dimensions.