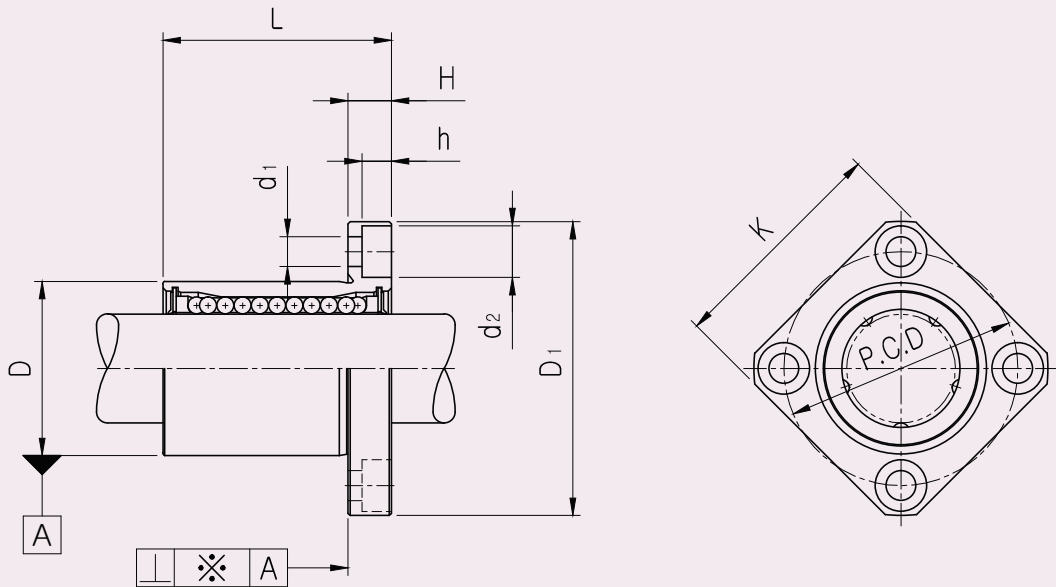


LMK FLANGED LINEAR BUSHING

● Drawing

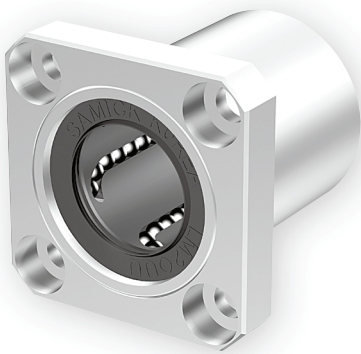


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LMK

● Part Number Notation

LMK 20 UU - A N S



- SAMICK Square Flanged Linear Bushing
- Nominal Shaft Diameter
- Seal

|       |                |
|-------|----------------|
| Blank | No Seal        |
| UU    | Both Side Seal |
| U     | One Side Seal  |

- Retainer (material)

|       |                                                |
|-------|------------------------------------------------|
| Blank | Resin Retainer(Standard)                       |
| A     | Steel Retainer(High temperature) <sup>★1</sup> |

- Outer-sleeves (by corrosion resistance)

|       |                            |
|-------|----------------------------|
| Blank | Standard(SUJ2)             |
| N     | Electroless nickel plating |
| R     | Raydent treatment          |

- Ball type (material)

|       |                                          |
|-------|------------------------------------------|
| Blank | High carbon bearing steel ball(Standard) |
| S     | Stainless steel ball                     |

★1 Steel retainer applicable from LMK6 to LMK25 only  
(LMK8S applicable with resin retainer only)

# LMK FLANGED LINEAR BUSHING

| PART NUMBER |         | WORKING BORE DIAMETER |                | D   |                | L   |                | D <sub>1</sub> |                | H  | PCD | K   | d <sub>1</sub> | d <sub>2</sub> | h    | SQUAR ENESS<br>*(μm)* | BASIC LOAD RATING(N)      |             | NO. OF BALL ROW | WEIGHT (gf) <sup>*2</sup> |
|-------------|---------|-----------------------|----------------|-----|----------------|-----|----------------|----------------|----------------|----|-----|-----|----------------|----------------|------|-----------------------|---------------------------|-------------|-----------------|---------------------------|
| Resin       | Steel   | dr. (mm)              | CLEAR NCE (mm) | mm  | CLEAR NCE (mm) | mm  | CLEAR NCE (mm) | mm             | CLEAR NCE (mm) |    |     |     |                |                |      |                       | DYNAMIC (C) <sup>*1</sup> | STATIC (Co) |                 |                           |
| LMK6UU      | LMK6-A  | 6                     |                | 12  |                | 19  |                | 28             |                | 5  | 20  | 22  | 3.4            | 6.5            | 3.3  | 12                    | 200                       | 260         | 4               | 26.5                      |
| LMK8SUU     |         | 8                     |                | 15  | 0<br>-0.011    | 17  |                | 32             |                | 5  | 24  | 25  | 3.4            | 6.5            | 3.3  | 12                    | 170                       | 220         | 4               | 34                        |
| LMK8UU      | LMK8-A  | 8                     |                | 15  |                | 24  |                | 32             |                | 5  | 24  | 25  | 3.4            | 6.5            | 3.3  | 12                    | 260                       | 400         | 4               | 40                        |
| LMK10UU     | LMK10-A | 10                    | 0<br>-0.009    | 19  |                | 29  | 0<br>-0.2      | 40             |                | 6  | 29  | 30  | 4.5            | 8.0            | 4.4  | 12                    | 370                       | 540         | 4               | 78                        |
| LMK12UU     | LMK12-A | 12                    |                | 21  | 0<br>-0.013    | 30  |                | 42             |                | 6  | 32  | 32  | 4.5            | 8.0            | 4.4  | 12                    | 410                       | 590         | 4               | 76                        |
| LMK13UU     | LMK13-A | 13                    |                | 23  |                | 32  |                | 43             | 0<br>-0.2      | 6  | 33  | 34  | 4.5            | 8.0            | 4.4  | 12                    | 500                       | 770         | 4               | 94                        |
| LMK16UU     | LMK16-A | 16                    |                | 28  |                | 37  |                | 48             |                | 6  | 38  | 37  | 4.5            | 8.0            | 4.4  | 12                    | 770                       | 1170        | 5               | 134                       |
| LMK20UU     | LMK20-A | 20                    |                | 32  |                | 42  |                | 54             |                | 8  | 43  | 42  | 5.5            | 9.5            | 5.4  | 15                    | 860                       | 1370        | 5               | 180                       |
| LMK25UU     | LMK25-A | 25                    | 0<br>-0.010    | 40  | 0<br>-0.016    | 59  |                | 62             |                | 8  | 51  | 50  | 5.5            | 9.5            | 5.4  | 15                    | 980                       | 1560        | 6               | 340                       |
| LMK30UU     |         | 30                    |                | 45  |                | 64  |                | 74             |                | 10 | 60  | 58  | 6.6            | 11.0           | 6.5  | 15                    | 1560                      | 2740        | 6               | 460                       |
| LMK35UU     |         | 35                    |                | 52  |                | 70  |                | 82             |                | 10 | 67  | 64  | 6.6            | 11.0           | 6.5  | 20                    | 1660                      | 3130        | 6               | 795                       |
| LMK40UU     |         | 40                    | 0<br>-0.012    | 60  | 0<br>-0.019    | 80  | 0<br>-0.3      | 96             |                | 13 | 78  | 75  | 9.0            | 14.0           | 8.6  | 20                    | 2150                      | 4010        | 6               | 1054                      |
| LMK50UU     |         | 50                    |                | 80  |                | 100 |                | 116            | 0<br>-0.3      | 13 | 98  | 92  | 9.0            | 14.0           | 8.6  | 20                    | 3820                      | 7930        | 6               | 2200                      |
| LMK60UU     |         | 60                    | 0<br>-0.015    | 90  | 0<br>-0.022    | 110 |                | 134            |                | 18 | 112 | 106 | 11.0           | 17.5           | 10.8 | 25                    | 4700                      | 9990        | 6               | 2960                      |
| LMK80UU     |         | 80                    |                | 120 |                | 140 |                | 164            |                | 18 | 142 | 136 | 11.0           | 17.5           | 11.1 | 25                    | 10130                     | 12000       | 6               | 4900                      |

- ★1 Dynamic load rating is based on the nominal life of 50km  
In case of 100km, C on the table need to be divided by 1.26  
Ex) 50km basic dynamic load rating(C) of LMK12 = 410N  
100km basic dynamic load rating(C<sub>100</sub>) of LMK12 = 410/1.26 = 325.40N
- ★2 Based on the weight of resin retainer
- ★3 Main unit : mm
- ★4 1N ≒ 0.102kgf