



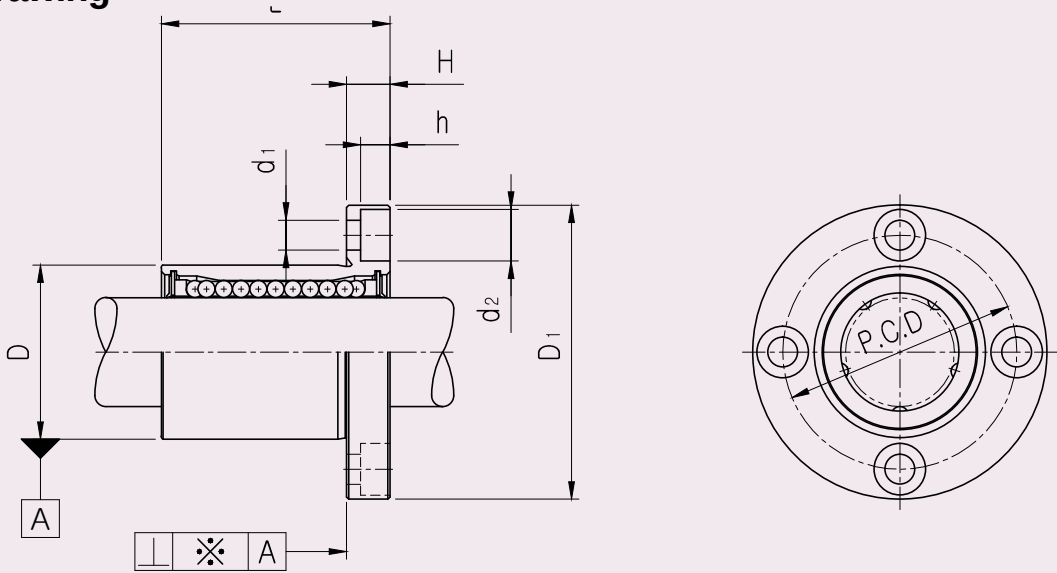
for YOU and YOUR customer

# LINEAR BUSHING

by SAMICK

LMF FLANGED LINEAR BUSHING-SUS SERIES

● Drawing



162

LMF  
-SUS

● Part Number Notation

LMF 20 UU - SUS A

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

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

- Outer-sleeves : Stainless Steel
- BALL : Stainless Steel
- Retainer (material)

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



★1 LMF8S applicable with resin retainer only

# LMF FLANGED LINEAR BUSHING-SUS SERIES

| PART NUMBER |            | WORKING BORE DIAMETER |                   | D  |                   | L  |                   | D <sub>1</sub> |                   | H | PCD | d <sub>1</sub> | d <sub>2</sub> | h   | SQUAREDNESS<br>*(μm)* | BASIC LOAD RATING(N) <sup>*4</sup> |                | NO. OF BALL ROW | WEIGHT (gf) <sup>*2</sup> |
|-------------|------------|-----------------------|-------------------|----|-------------------|----|-------------------|----------------|-------------------|---|-----|----------------|----------------|-----|-----------------------|------------------------------------|----------------|-----------------|---------------------------|
| Resin       | Steel      | dr.<br>(mm)           | CLEAR NCE<br>(mm) | mm | CLEAR NCE<br>(mm) | mm | CLEAR NCE<br>(mm) | mm             | CLEAR NCE<br>(mm) |   |     |                |                |     |                       | DYNAMIC<br>(C) <sup>*1</sup>       | STATIC<br>(Co) |                 |                           |
| LMF6UU-SUS  | LMF6-SUSA  | 6                     | 0<br>-0.009       | 12 | 0<br>-0.011       | 19 | 0<br>-0.2         | 28             | 0<br>-0.2         | 5 | 20  | 3.4            | 6.5            | 3.3 | 12                    | 220                                | 260            | 4               | 26.5                      |
| LMF8SUU-SUS |            | 8                     |                   | 15 |                   | 17 |                   | 32             |                   | 5 | 24  | 3.4            | 6.5            | 3.3 | 12                    | 170                                | 220            | 4               | 34                        |
| LMF8UU-SUS  | LMF8-SUSA  | 8                     |                   | 15 |                   | 24 |                   | 32             |                   | 5 | 24  | 3.4            | 6.5            | 3.3 | 12                    | 260                                | 400            | 4               | 40                        |
| LMF10UU-SUS | LMF10-SUSA | 10                    |                   | 19 | 0<br>-0.013       | 29 |                   | 40             |                   | 6 | 29  | 4.5            | 8.0            | 4.4 | 12                    | 370                                | 540            | 4               | 78                        |
| LMF12UU-SUS | LMF12-SUSA | 12                    |                   | 21 |                   | 30 |                   | 42             |                   | 6 | 32  | 4.5            | 8.0            | 4.4 | 12                    | 410                                | 590            | 4               | 76                        |
| LMF13UU-SUS | LMF13-SUSA | 13                    |                   | 23 |                   | 32 |                   | 43             |                   | 6 | 33  | 4.5            | 8.0            | 4.4 | 12                    | 500                                | 770            | 4               | 94                        |
| LMF16UU-SUS | LMF16-SUSA | 16                    |                   | 28 |                   | 37 |                   | 48             |                   | 6 | 38  | 4.5            | 8.0            | 4.4 | 12                    | 770                                | 1170           | 5               | 134                       |
| LMF20UU-SUS | LMF20-SUSA | 20                    | 0<br>-0.010       | 32 | 0<br>-0.016       | 42 |                   | 54             |                   | 8 | 43  | 5.5            | 9.5            | 5.4 | 15                    | 860                                | 1370           | 5               | 180                       |
| LMF25UU-SUS | LMF25-SUSA | 25                    |                   | 40 |                   | 59 | 0<br>-0.3         | 62             |                   | 8 | 51  | 5.5            | 9.5            | 5.4 | 15                    | 980                                | 1560           | 6               | 340                       |

- ★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 LMF12 = 410N  
100km basic dynamic load rating(C<sub>100</sub>) of LMF12 = 410/1.26 = 325.40N
- ★2 Based on the weight of resin retainer
- ★3 Main unit : mm
- ★4 1N ≒ 0.102kgf