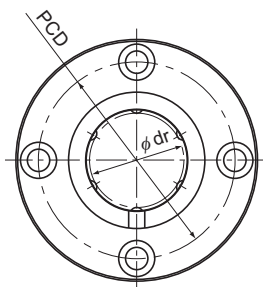


# Model LMF



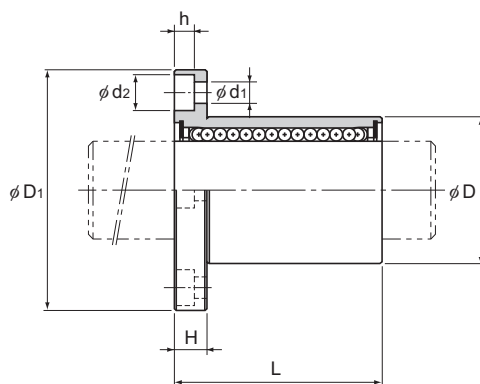
Model LMF

| Model No. | Ball rows | Main dimensions         |             |                |             |        |           |                 |           |
|-----------|-----------|-------------------------|-------------|----------------|-------------|--------|-----------|-----------------|-----------|
|           |           | Inscribed bore diameter |             | Outer diameter |             | Length |           | Flange diameter |           |
|           |           | dr                      | Tolerance   | D              | Tolerance   | L      | Tolerance | D <sub>f</sub>  | Tolerance |
| LMF 6     | 4         | 6                       | 0<br>-0.009 | 12             | 0<br>-0.011 | 19     | 0<br>-0.2 | 28              | 0<br>-0.2 |
| LMF 8S    | 4         | 8                       |             | 15             |             | 17     |           | 32              |           |
| LMF 8     | 4         | 8                       |             | 15             |             | 24     |           | 32              |           |
| LMF 10    | 4         | 10                      |             | 19             | 0<br>-0.013 | 29     |           | 39              |           |
| LMF 12    | 4         | 12                      |             | 21             |             | 30     |           | 42              |           |
| LMF 13    | 4         | 13                      | 0<br>-0.010 | 23             |             | 32     |           | 43              |           |
| LMF 16    | 5         | 16                      |             | 28             | 0<br>-0.016 | 37     |           | 48              |           |
| LMF 20    | 5         | 20                      |             | 32             |             | 42     | 0<br>-0.3 | 54              |           |
| LMF 25    | 6         | 25                      |             | 40             |             | 59     |           | 62              |           |
| LMF 30    | 6         | 30                      |             | 45             |             | 64     |           | 74              |           |
| LMF 35    | 6         | 35                      | 0<br>-0.012 | 52             | 0<br>-0.019 | 70     |           | 82              | 0<br>-0.3 |
| LMF 40    | 6         | 40                      |             | 60             |             | 80     |           | 96              |           |
| LMF 50    | 6         | 50                      |             | 80             |             | 100    |           | 116             |           |
| LMF 60    | 6         | 60                      | 0<br>-0.015 | 90             | 0<br>-0.022 | 110    |           | 134             |           |

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80°C.  
If requiring a type equipped with a seal, indicate it when placing an order.

(Example) LMF25 UU

└─── Seal attached on both ends of the nut



Unit: mm

|  |    |     | Mounting hole<br>$d_1 \times d_2 \times h$ | Flange<br>perpendicularity | Eccentricity<br>(max) | Radial<br>clearance<br>tolerance | Basic load rating |                     | Mass<br>g |
|--|----|-----|--------------------------------------------|----------------------------|-----------------------|----------------------------------|-------------------|---------------------|-----------|
|  |    |     |                                            | $\mu\text{m}$              | $\mu\text{m}$         | $\mu\text{m}$                    | C<br>N            | C <sub>0</sub><br>N |           |
|  | H  | PCD |                                            |                            |                       |                                  |                   |                     |           |
|  | 5  | 20  | 3.4×6.5×3.3                                | 12                         | 12                    | -5                               | 206               | 265                 | 23        |
|  | 5  | 24  | 3.4×6.5×3.3                                | 12                         | 12                    | -5                               | 176               | 225                 | 29        |
|  | 5  | 24  | 3.4×6.5×3.3                                | 12                         | 12                    | -5                               | 265               | 402                 | 33        |
|  | 6  | 29  | 4.5×8×4.4                                  | 12                         | 12                    | -5                               | 373               | 549                 | 59        |
|  | 6  | 32  | 4.5×8×4.4                                  | 12                         | 12                    | -5                               | 412               | 598                 | 68        |
|  | 6  | 33  | 4.5×8×4.4                                  | 12                         | 12                    | -7                               | 510               | 775                 | 80        |
|  | 6  | 38  | 4.5×8×4.4                                  | 12                         | 12                    | -7                               | 775               | 1180                | 126       |
|  | 8  | 43  | 5.5×9.2×5.4                                | 15                         | 15                    | -9                               | 863               | 1370                | 160       |
|  | 8  | 51  | 5.5×9.2×5.4                                | 15                         | 15                    | -9                               | 980               | 1570                | 305       |
|  | 10 | 60  | 6.6×11×6.5                                 | 15                         | 15                    | -9                               | 1570              | 2750                | 422       |
|  | 10 | 67  | 6.6×11×6.5                                 | 20                         | 20                    | -13                              | 1670              | 3140                | 583       |
|  | 13 | 78  | 9×14×8.6                                   | 20                         | 20                    | -13                              | 2160              | 4020                | 960       |
|  | 13 | 98  | 9×14×8.6                                   | 20                         | 20                    | -13                              | 3820              | 7940                | 1920      |
|  | 18 | 112 | 11×17.5×10.8                               | 25                         | 25                    | -13                              | 4710              | 10000               | 2720      |

Note: If a lubrication hole is required, this can be indicated by appending "OH" to the end of the model number.  
For further information, contact THK.