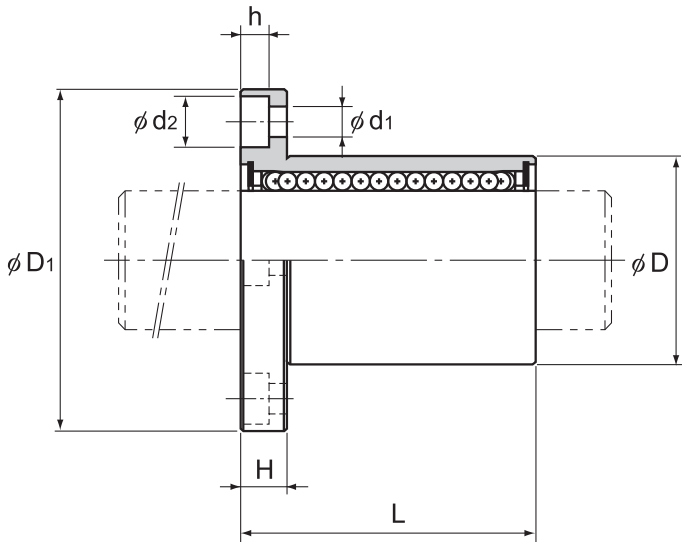






Unit: mm

|  |    |     |                                            | Flange perpendicularity | Eccentricity (max) | Radial clearance tolerance | Basic load rating |                  | Mass g |
|--|----|-----|--------------------------------------------|-------------------------|--------------------|----------------------------|-------------------|------------------|--------|
|  | H  | PCD | Mounting hole<br>$d_1 \times d_2 \times h$ | $\mu\text{m}$           | $\mu\text{m}$      | $\mu\text{m}$              | C N               | C <sub>0</sub> N |        |
|  | 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 an oil hole is required, this can be indicated by appending "OH" to the end of the model number.  
For further information, contact THK.

Options⇒A4-119

THK A4-53

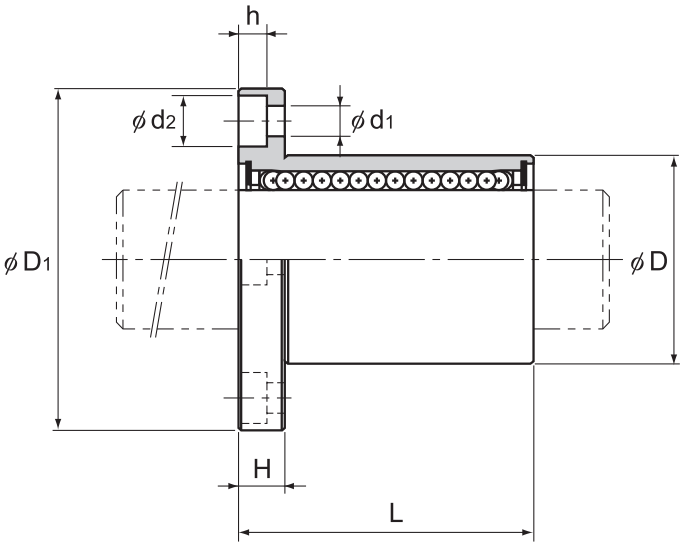


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Unit: mm

|  |    |     |                                            | Flange perpendicularity | Eccentricity (max) | Radial clearance tolerance | Basic load rating |                  | Mass g |
|--|----|-----|--------------------------------------------|-------------------------|--------------------|----------------------------|-------------------|------------------|--------|
|  | H  | PCD | Mounting hole<br>$d_1 \times d_2 \times h$ | $\mu\text{m}$           | $\mu\text{m}$      | $\mu\text{m}$              | C N               | C <sub>0</sub> N |        |
|  | 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    |

Note) Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.  
 If an oil hole is required, this can be indicated by appending "OH" to the end of the model number.  
 For further information, contact THK.

Options⇒A4-119

THK A4-55

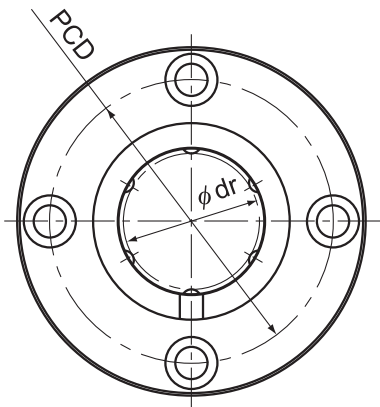


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Model LMF-L



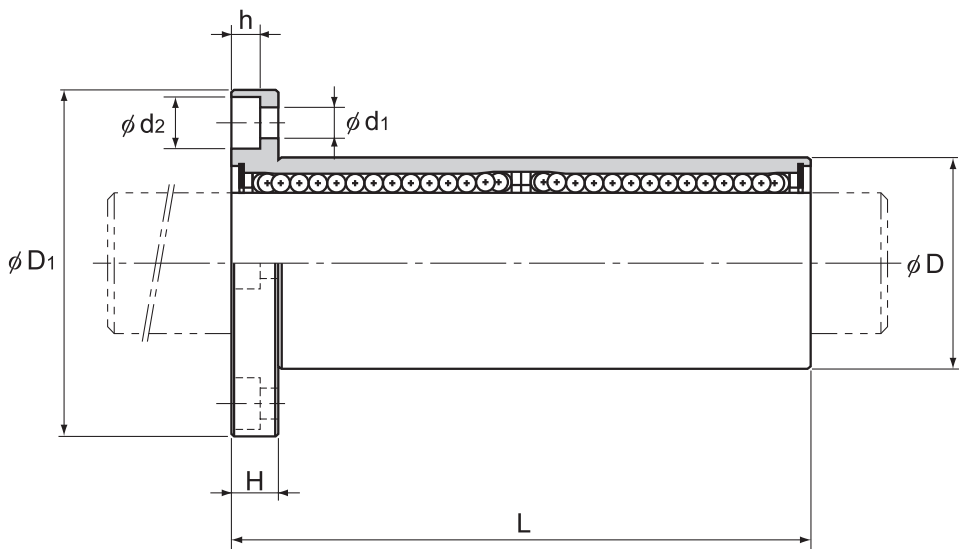
Model LMF-L

| Model No. | Ball rows | Main dimensions         |             |                |             |        |           |                 |           |
|-----------|-----------|-------------------------|-------------|----------------|-------------|--------|-----------|-----------------|-----------|
|           |           | Inscribed bore diameter |             | Outer diameter |             | Length |           | Flange diameter |           |
|           |           | dr                      | Tolerance   | D              | Tolerance   | L      | Tolerance | D <sub>1</sub>  | Tolerance |
| LMF 6L    | 4         | 6                       | 0<br>-0.010 | 12             | 0           | 35     | 0<br>-0.3 | 28              | 0<br>-0.2 |
| LMF 8L    | 4         | 8                       |             | 15             | -0.013      | 45     |           | 32              |           |
| LMF 10L   | 4         | 10                      |             | 19             | 0<br>-0.016 | 55     |           | 39              |           |
| LMF 12L   | 4         | 12                      |             | 21             |             | 57     |           | 42              |           |
| LMF 13L   | 4         | 13                      |             | 23             |             | 61     |           | 43              |           |
| LMF 16L   | 5         | 16                      | 0<br>-0.012 | 28             | 0<br>-0.019 | 70     | 0<br>-0.4 | 48              | 0<br>-0.3 |
| LMF 20L   | 5         | 20                      |             | 32             |             | 80     |           | 54              |           |
| LMF 25L   | 6         | 25                      |             | 40             |             | 112    |           | 62              |           |
| LMF 30L   | 6         | 30                      | 0<br>-0.015 | 45             | 0<br>-0.022 | 123    |           | 74              |           |
| LMF 35L   | 6         | 35                      |             | 52             |             | 135    |           | 82              |           |
| LMF 40L   | 6         | 40                      |             | 60             |             | 154    |           | 96              |           |
| LMF 50L   | 6         | 50                      | 0<br>-0.020 | 80             | 0<br>-0.025 | 192    |           | 116             |           |
| LMF 60L   | 6         | 60                      |             | 90             |             | 211    |           | 134             |           |

Note) 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) LMF35L UU

\_\_\_\_\_ Seal attached on both ends of the nut



Unit: mm

|  |    |     |                                                      | Flange perpendicularity | Eccentricity (max) | Radial clearance tolerance | Basic load rating |                     | Mass |
|--|----|-----|------------------------------------------------------|-------------------------|--------------------|----------------------------|-------------------|---------------------|------|
|  | H  | PCD | Mounting hole<br>d <sub>1</sub> × d <sub>2</sub> × h | μm                      | μm                 | μm                         | C<br>N            | C <sub>0</sub><br>N | g    |
|  | 5  | 20  | 3.4 × 6.5 × 3.3                                      | 15                      | 15                 | -5                         | 324               | 529                 | 29   |
|  | 5  | 24  | 3.4 × 6.5 × 3.3                                      | 15                      | 15                 | -5                         | 431               | 784                 | 45   |
|  | 6  | 29  | 4.5 × 8 × 4.4                                        | 15                      | 15                 | -5                         | 588               | 1100                | 81   |
|  | 6  | 32  | 4.5 × 8 × 4.4                                        | 15                      | 15                 | -5                         | 657               | 1200                | 93   |
|  | 6  | 33  | 4.5 × 8 × 4.4                                        | 15                      | 15                 | -7                         | 814               | 1570                | 115  |
|  | 6  | 38  | 4.5 × 8 × 4.4                                        | 15                      | 15                 | -7                         | 1230              | 2350                | 194  |
|  | 8  | 43  | 5.5 × 9.2 × 5.4                                      | 20                      | 20                 | -9                         | 1400              | 2750                | 250  |
|  | 8  | 51  | 5.5 × 9.2 × 5.4                                      | 20                      | 20                 | -9                         | 1560              | 3140                | 500  |
|  | 10 | 60  | 6.6 × 11 × 6.5                                       | 20                      | 20                 | -9                         | 2490              | 5490                | 646  |
|  | 10 | 67  | 6.6 × 11 × 6.5                                       | 25                      | 25                 | -13                        | 2650              | 6270                | 930  |
|  | 13 | 78  | 9 × 14 × 8.6                                         | 25                      | 25                 | -13                        | 3430              | 8040                | 1488 |
|  | 13 | 98  | 9 × 14 × 8.6                                         | 25                      | 25                 | -13                        | 6080              | 15900               | 3268 |
|  | 18 | 112 | 11 × 17.5 × 10.8                                     | 25                      | 25                 | -13                        | 7650              | 20000               | 4342 |

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

Options⇒A4-119

THK A4-57

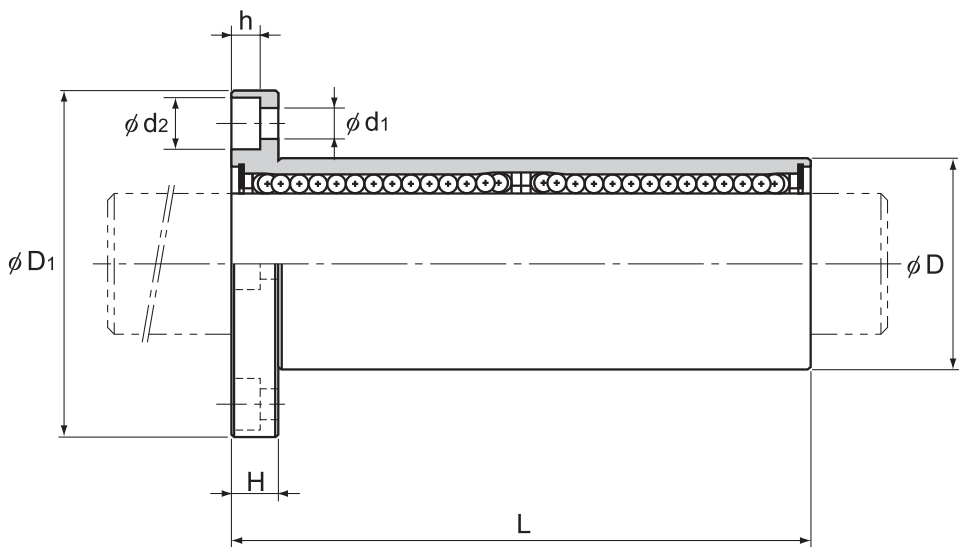


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Unit: mm

|  |    |     |                                            | Flange perpendicularity | Eccentricity (max) | Radial clearance tolerance | Basic load rating |                     | Mass |
|--|----|-----|--------------------------------------------|-------------------------|--------------------|----------------------------|-------------------|---------------------|------|
|  | H  | PCD | Mounting hole<br>$d_1 \times d_2 \times h$ | $\mu\text{m}$           | $\mu\text{m}$      | $\mu\text{m}$              | C<br>N            | C <sub>0</sub><br>N | g    |
|  | 5  | 20  | 3.4 × 6.5 × 3.3                            | 15                      | 15                 | −5                         | 324               | 529                 | 29   |
|  | 5  | 24  | 3.4 × 6.5 × 3.3                            | 15                      | 15                 | −5                         | 431               | 784                 | 45   |
|  | 6  | 29  | 4.5 × 8 × 4.4                              | 15                      | 15                 | −5                         | 588               | 1100                | 81   |
|  | 6  | 32  | 4.5 × 8 × 4.4                              | 15                      | 15                 | −5                         | 657               | 1200                | 93   |
|  | 6  | 33  | 4.5 × 8 × 4.4                              | 15                      | 15                 | −7                         | 814               | 1570                | 115  |
|  | 6  | 38  | 4.5 × 8 × 4.4                              | 15                      | 15                 | −7                         | 1230              | 2350                | 194  |
|  | 8  | 43  | 5.5 × 9.2 × 5.4                            | 20                      | 20                 | −9                         | 1400              | 2750                | 250  |
|  | 8  | 51  | 5.5 × 9.2 × 5.4                            | 20                      | 20                 | −9                         | 1560              | 3140                | 500  |
|  | 10 | 60  | 6.6 × 11 × 6.5                             | 20                      | 20                 | −9                         | 2490              | 5490                | 646  |

Note) Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.  
 If an oil hole is required, this can be indicated by appending "OH" to the end of the model number.  
 For further information, contact THK.

Options⇒A4-119

THK A4-59



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