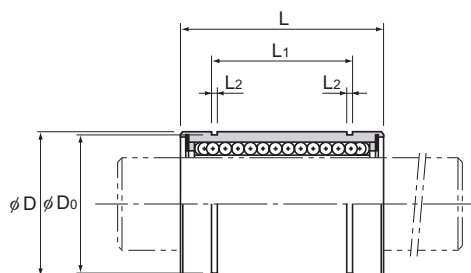


# Model LME



| Model No.     |                           |             | Ball rows | Main dimensions           |                  |                |           |        |           |
|---------------|---------------------------|-------------|-----------|---------------------------|------------------|----------------|-----------|--------|-----------|
| Standard type | Adjustable-clearance type | Open type   |           | Inscribed circle diameter |                  | Outer diameter |           | Length |           |
|               |                           |             |           | dr                        | Tolerance        | D              | Tolerance | L      | Tolerance |
| LME 5         | LME 5-AJ                  | —           | 4         | 5                         | +0.008<br>0      | 12             | 0         | 22     | 0<br>-0.2 |
| LME 8         | LME 8-AJ                  | —           | 4         | 8                         |                  | 16             | -0.008    | 25     |           |
| LME 12        | LME 12-AJ                 | —           | 4         | 12                        |                  | 22             | 0         | 32     |           |
| LME 16        | LME 16-AJ                 | LME 16N-OP  | 5         | 16                        | +0.009           | 26             | -0.009    | 36     | 0<br>-0.3 |
| LME 20        | LME 20-AJ                 | LME 20N-OP  | 5         | 20                        | -0.001           | 32             | 0         | 45     |           |
| LME 25        | LME 25-AJ                 | LME 25N-OP  | 6         | 25                        | +0.011           | 40             | -0.011    | 58     |           |
| LME 30        | LME 30-AJ                 | LME 30N-OP  | 6         | 30                        | -0.001           | 47             | 0         | 68     | 0<br>-0.3 |
| LME 40N       | LME 40N-AJ                | LME 40N-OP  | 6         | 40                        | +0.013<br>-0.002 | 62             | 0         | 80     |           |
| LME 50N       | LME 50N-AJ                | LME 50N-OP  | 6         | 50                        |                  | 75             | -0.013    | 100    |           |
| LME 60N       | LME 60N-AJ                | LME 60N-OP  | 6         | 60                        | +0.016<br>-0.004 | 90             | 0         | 125    | 0<br>-0.4 |
| LME 80GA      | LME 80GA-AJ               | LME 80GA-OP | 6         | 80                        |                  | 120            | -0.015    | 165    |           |

Notes: Since linear bushing models LME60 or smaller models are incorporated with a synthetic resin retainer, do not use them at temperatures exceeding 80°C.  
If the ambient temperature exceeds 80°C, use the type equipped with a metal retainer and indicate "A" at the end of the model number.

(Example) LME20G A

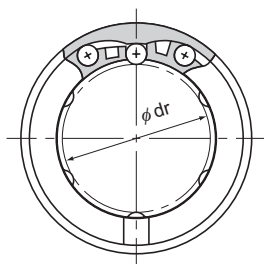
High-temperature symbol

If requiring a type equipped with a seal, indicate it when placing an order (seal heat resistance: 80°C).

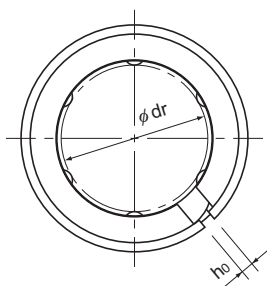
(Example) LME16 UU

Seal attached on both ends of the nut

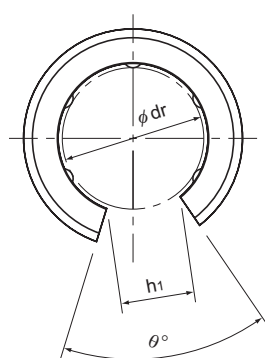
For the adjustable-clearance type (-AJ) and open type (-OP), the inscribed circle diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LME



Model LME-AJ



Model LME-OP

Unit: mm

|  |                |           |                |                |                |                |    | Eccentricity<br>(max)<br><br>μm | Basic load rating |                                  |              |                    |                                  |              | Mass<br><br>g |
|--|----------------|-----------|----------------|----------------|----------------|----------------|----|---------------------------------|-------------------|----------------------------------|--------------|--------------------|----------------------------------|--------------|---------------|
|  | L <sub>1</sub> | Tolerance | L <sub>2</sub> | D <sub>0</sub> | h <sub>0</sub> | h <sub>1</sub> | θ° |                                 | C(N)              |                                  |              | C <sub>0</sub> (N) |                                  |              |               |
|  |                |           |                |                |                |                |    |                                 | Standard<br>Type  | Clearance-<br>adjustable<br>Type | Open<br>Type | Standard<br>Type   | Clearance-<br>adjustable<br>Type | Open<br>Type |               |
|  | 14.5           | 0<br>-0.2 | 1.1            | 11.5           | 1              | —              | —  | 12                              | 206               | 206                              | —            | 265                | 265                              | —            | 11.4          |
|  | 16.5           |           | 1.1            | 15.2           | 1              | —              | —  | 12                              | 265               | 265                              | —            | 402                | 402                              | —            | 18.5          |
|  | 22.9           |           | 1.3            | 21             | 1.5            | 7.5            | 78 | 12                              | 510               | 510                              | —            | 775                | 775                              | —            | 37            |
|  | 24.9           |           | 1.3            | 24.9           | 1.5            | 10             | 78 | 12                              | 775               | 775                              | 578          | 1,180              | 1,180                            | 862          | 52            |
|  | 31.5           | 0<br>-0.3 | 1.6            | 30.3           | 2              | 10             | 60 | 15                              | 863               | 863                              | 862          | 1,370              | 1,370                            | 1,370        | 89            |
|  | 44.1           |           | 1.85           | 37.5           | 2              | 12.5           | 60 | 15                              | 980               | 980                              | 980          | 1,570              | 1,570                            | 1,570        | 203           |
|  | 52.1           |           | 1.85           | 44.5           | 2              | 12.5           | 50 | 15                              | 1,570             | 1,570                            | 1,570        | 2,750              | 2,750                            | 2,740        | 306           |
|  | 60.6           |           | 2.15           | 59             | 3              | 16.8           | 50 | 17                              | 2,160             | 2,160                            | 2,160        | 4,020              | 4,020                            | 4,020        | 770           |
|  | 77.6           |           | 2.65           | 72             | 3              | 21             | 50 | 17                              | 3,820             | 3,820                            | 3,820        | 7,940              | 7,940                            | 7,940        | 1,250         |
|  | 101.7          | 0<br>-0.4 | 3.15           | 86.5           | 3              | 27.2           | 54 | 20                              | 4,700             | 4,700                            | 4,700        | 9,800              | 9,800                            | 9,800        | 2,220         |
|  | 133.7          |           | 4.15           | 116            | 3              | 36.3           | 54 | 20                              | 7,350             | 7,350                            | 7,350        | 16,000             | 16,000                           | 16,000       | 4,800         |

Notes: If a metal retainer is used, the linear bushing has the shape as shown below.

When using the linear bushing on a single shaft, use two or more units (instead of one unit) on the same shaft to avoid a moment load, and secure a large distance between the units.

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.



Model LME-GA