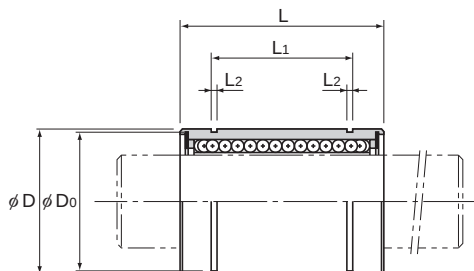


# Model LME



| Model No.     |                           |             | Ball rows | Main                    |                  |                |             |        |           |
|---------------|---------------------------|-------------|-----------|-------------------------|------------------|----------------|-------------|--------|-----------|
| Standard type | Clearance-adjustable type | Open type   |           | Inscribed bore 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 16-OP   | 5         | 16                      | +0.009           | 26             | −0.009      | 36     | 0<br>−0.3 |
| LME 20        | LME 20-AJ                 | LME 20-OP   | 5         | 20                      | −0.001           | 32             |             | 45     |           |
| LME 25        | LME 25-AJ                 | LME 25-OP   | 6         | 25                      | +0.011           | 40             | 0<br>−0.011 | 58     |           |
| LME 30        | LME 30-AJ                 | LME 30-OP   | 6         | 30                      | −0.001           | 47             |             | 68     | 0<br>−0.3 |
| LME 40        | LME 40-AJ                 | LME 40-OP   | 6         | 40                      | +0.013<br>−0.002 | 62             | 0           | 80     |           |
| LME 50        | LME 50-AJ                 | LME 50-OP   | 6         | 50                      |                  | 75             | −0.013      | 100    |           |
| LME 60        | LME 60-AJ                 | LME 60-OP   | 6         | 60                      |                  | 90             |             | 125    | 0<br>−0.4 |
| LME 80GA      | LME 80GA-AJ               | LME 80GA-OP | 6         | 80                      | +0.016<br>−0.004 | 120            | 0<br>−0.015 | 165    |           |

Note) Since Linear Bushing models LME60 or smaller models are incorporated with a synthetic resin retainer, do not use them at temperature 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

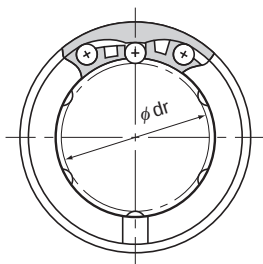
High temperature symbol

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

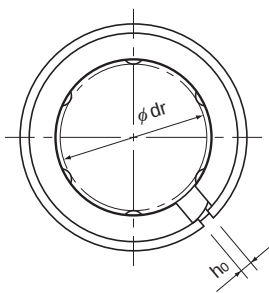
(Example) LME16 UU

Seal attached on both ends of the nut

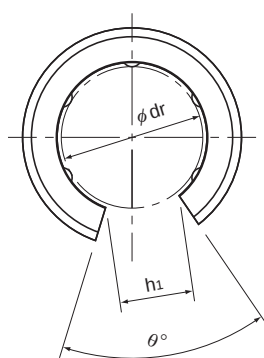
For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LME



Model LME-AJ



Model LME-OP

Unit: mm

| dimensions |       |           |       |       |       |       |                | Eccentricity<br>(max) | Radial<br>clearance<br>tolerance | Basic load rating |            | Mass<br>g |
|------------|-------|-----------|-------|-------|-------|-------|----------------|-----------------------|----------------------------------|-------------------|------------|-----------|
|            | $L_t$ | Tolerance | $L_2$ | $D_o$ | $h_o$ | $h_i$ | $\theta^\circ$ |                       |                                  | C<br>N            | $C_o$<br>N |           |
|            | 14.5  | 0<br>-0.2 | 1.1   | 11.5  | 1     | —     | —              | 12                    | -5                               | 206               | 265        | 11.4      |
|            | 16.5  |           | 1.1   | 15.2  | 1     | —     | —              | 12                    | -5                               | 265               | 402        | 18.5      |
|            | 22.9  |           | 1.3   | 21    | 1.5   | 7.5   | 78             | 12                    | -7                               | 510               | 775        | 37        |
|            | 24.9  |           | 1.3   | 24.9  | 1.5   | 10    | 78             | 12                    | -7                               | 775               | 1180       | 52        |
|            | 31.5  |           | 1.6   | 30.3  | 2     | 10    | 60             | 15                    | -9                               | 863               | 1370       | 89        |
|            | 44.1  | 0<br>-0.3 | 1.85  | 37.5  | 2     | 12.5  | 60             | 15                    | -9                               | 980               | 1570       | 203       |
|            | 52.1  |           | 1.85  | 44.5  | 2     | 12.5  | 50             | 15                    | -9                               | 1570              | 2750       | 306       |
|            | 60.6  |           | 2.15  | 59    | 3     | 16.8  | 50             | 17                    | -13                              | 2160              | 4020       | 673       |
|            | 77.6  |           | 2.65  | 72    | 3     | 21    | 50             | 17                    | -13                              | 3820              | 7940       | 1025      |
|            | 101.7 | 0<br>-0.4 | 3.15  | 86.5  | 3     | 27.2  | 54             | 20                    | -16                              | 4710              | 10000      | 1914      |
|            | 133.7 |           | 4.15  | 116   | 3     | 36.3  | 54             | 20                    | -16                              | 7350              | 16000      | 4800      |

Note) 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 an oil 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