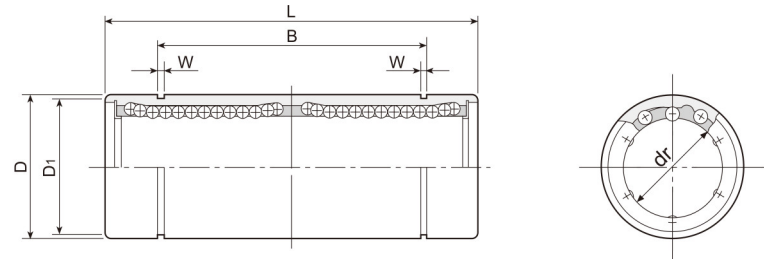


## LM...L Long Type Series(Metric Dimension)



| Nominal shaft diameter<br>mm | Model No.          | Ball circuit | Weight<br>g | D  |                 |     |                 |
|------------------------------|--------------------|--------------|-------------|----|-----------------|-----|-----------------|
|                              | LM...L<br>LM...LUU |              |             | dr |                 | D   |                 |
|                              |                    |              |             | mm | Tolerance<br>μm | mm  | Tolerance<br>μm |
| 6                            | LM 6L<br>LM 6LUU   | 4            | 16          | 6  | 0               | 12  | 0               |
| 8                            | LM 8L<br>LM 8LUU   | 4            | 31          | 8  |                 | -13 | 15              |
| 10                           | LM 10L<br>LM 10LUU | 4            | 62          | 10 | 0               | 19  | 0               |
| 12                           | LM 12L<br>LM 12LUU | 4            | 80          | 12 |                 | -10 |                 |
| 13                           | LM 13L<br>LM 13LUU | 4            | 90          | 13 | 0               | 23  | -16             |
| 16                           | LM 16L<br>LM 16LUU | 5            | 145         | 16 |                 | -10 |                 |
| 20                           | LM 20L<br>LM 20LUU | 5            | 180         | 20 | 0               | 32  | 0               |
| 25                           | LM 25L<br>LM 25LUU | 6            | 440         | 25 |                 | -12 |                 |
| 30                           | LM 30L<br>LM 30LUU | 6            | 480         | 30 | 0               | 45  | -19             |
| 35                           | LM 35L<br>LM 35LUU | 6            | 795         | 35 |                 | -15 |                 |
| 40                           | LM 40L<br>LM 40LUU | 6            | 1,170       | 40 | 0               | 60  | -22             |
| 50                           | LM 50L<br>LM 50LUU | 6            | 3,100       | 50 |                 | -15 |                 |
| 60                           | LM 60L<br>LM 60LUU | 6            | 3,500       | 60 | 0               | 90  | 0               |
|                              |                    |              |             |    | -20             |     | -25             |

| Main dimensions and tolerance |                      |      |                      |         |                      | Eccentricity<br>μm | Basic load rating |                   | Nominal shaft diameter<br>mm |
|-------------------------------|----------------------|------|----------------------|---------|----------------------|--------------------|-------------------|-------------------|------------------------------|
| mm                            | L<br>Tolerance<br>μm | mm   | B<br>Tolerance<br>μm | W<br>mm | D <sub>1</sub><br>mm |                    | dynamic<br>C(kgf) | static<br>Co(kgf) |                              |
| 35                            | 0<br>-300            | 27   | 0<br>-300            | 1.1     | 11.5                 | 15                 | 33                | 54                | 6                            |
| 45                            |                      | 35   |                      | 1.1     | 14.3                 |                    | 44                | 80                | 8                            |
| 55                            |                      | 44   |                      | 1.3     | 18                   |                    | 60                | 112               | 10                           |
| 57                            |                      | 46   |                      | 1.3     | 20                   |                    | 83                | 160               | 12                           |
| 61                            |                      | 46   |                      | 1.3     | 22                   |                    | 83                | 160               | 13                           |
| 70                            |                      | 53   |                      | 1.6     | 27                   |                    | 125               | 240               | 16                           |
| 80                            | 0<br>-400            | 61   | 0<br>-400            | 1.6     | 30.5                 | 20                 | 143               | 280               | 20                           |
| 112                           |                      | 82   |                      | 1.85    | 38                   |                    | 159               | 320               | 25                           |
| 123                           |                      | 89   |                      | 1.85    | 43                   |                    | 254               | 560               | 30                           |
| 135                           |                      | 99   |                      | 2.1     | 49                   |                    | 270               | 640               | 35                           |
| 151                           |                      | 121  |                      | 2.1     | 57                   |                    | 350               | 820               | 40                           |
| 192                           |                      | 148  |                      | 2.6     | 76.5                 |                    | 620               | 1,620             | 50                           |
| 209                           | 170                  | 3.15 | 86.5                 | 770     | 2,040                | 60                 |                   |                   |                              |