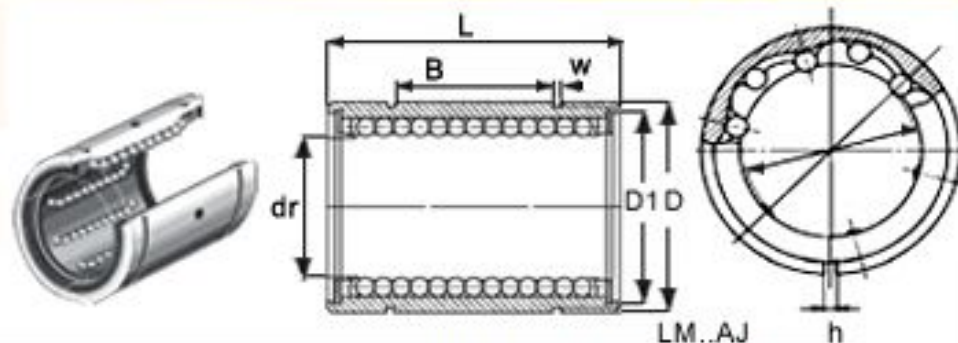




LINEAR MOTION BEARINGS

Metric Dimensions

LM..AJ Series



Dimension Table of LM..AJ Series

| Designation | Weight (g) | Main dimensions and tolerance | | | | | | | | | | | Eccentricity μm | Radical Clearance (Max) μm | Basic Dynamic Load Rating C (Kgf) | Basic Static Load Rating CO (Kgf) |
|-------------|------------|-------------------------------|-------------------------------|---------|-------------------------|---------|-------------------------|---------|-------------------------|---------|----------|---------|----------------------------|---------------------------------------|-----------------------------------|-----------------------------------|
| | | mm | dr Tolerance μm | D mm | Tolerance μm | L mm | Tolerance μm | B mm | Tolerance μm | W mm | D1 mm | h mm | | | | |
| LM 6AJ | 7.5 | 6 | | 12 | | 19 | | 13.5 | | 1.1 | 11.5 | 1 | | | 21 | 27 |
| LM 8UU-AJ | 7.5 | 6 | | 12 | | 19 | | 13.5 | | 1.1 | 11.5 | 1 | | | 21 | 27 |
| LM 8SAJ | 10 | 8 | | 15 | 0 | 17 | | 11.5 | | 1.1 | 14.3 | 1 | | | 18 | 22 |
| LM 8SUU-AJ | 10 | 8 | | 15 | -11 | 17 | | 11.5 | | 1.1 | 14.3 | 1 | | | 18 | 22 |
| LM 8AJ | 14.7 | 8 | | 15 | | 24 | | 17.5 | | 1.1 | 14.3 | 1 | | | 28 | 40 |
| LM 8UU-AJ | 14.7 | 8 | | 15 | | 24 | | 17.5 | | 1.1 | 14.3 | 1 | | | 28 | 40 |
| LM 10AJ | 29 | 10 | 0 | 19 | | 29 | 0 | 22 | 0 | 1.3 | 18 | 1 | 12 | | 38 | 56 |
| LM 10UU-AJ | 29 | 10 | -9 | 19 | | 29 | -200 | 22 | -200 | 1.3 | 18 | 1 | | | 38 | 56 |
| LM 12AJ | 31 | 12 | | 21 | 0 | 30 | | 23 | | 1.3 | 20 | 1.5 | | | 42 | 61 |
| LM 12UU-AJ | 31 | 12 | | 21 | -13 | 30 | | 23 | | 1.3 | 20 | 1.5 | | | 42 | 61 |
| LM 13AJ | 42 | 13 | | 23 | | 32 | | 23 | | 1.3 | 22 | 1.5 | | | 52 | 80 |
| LM 13UU-AJ | 42 | 13 | | 23 | | 32 | | 23 | | 1.3 | 22 | 1.5 | | | 52 | 80 |
| LM 16AJ | 68 | 16 | | 28 | | 37 | | 26.5 | | 1.6 | 27 | 1.5 | | | 79 | 120 |
| LM 16UU-AJ | 68 | 16 | | 28 | | 37 | | 26.5 | | 1.6 | 27 | 1.5 | | | 79 | 120 |
| LM 20AJ | 85 | 20 | | 32 | 0 | 42 | | 30.5 | | 1.6 | 30.5 | 1.5 | | | 90 | 140 |
| LM 20UU-AJ | 85 | 20 | | 32 | -16 | 42 | | 30.5 | | 1.6 | 30.5 | 1.5 | | | 90 | 140 |
| LM 25AJ | 216 | 25 | 0 | 40 | | 59 | | 41 | | 1.85 | 38 | 2 | 15 | | 100 | 160 |
| LM 25UU-AJ | 216 | 25 | -10 | 40 | | 59 | | 41 | | 1.85 | 38 | 2 | | | 100 | 160 |
| LM 30AJ | 245 | 30 | | 45 | | 64 | | 44.5 | | 1.85 | 43 | 2.5 | | | 160 | 280 |
| LM 30UU-AJ | 245 | 30 | | 45 | | 64 | 0 | 44.5 | 0 | 1.85 | 43 | 2.5 | | | 160 | 280 |
| LM 35AJ | 384 | 35 | | 52 | 0 | 70 | | 49.5 | | 2.1 | 49 | 2.5 | | | 170 | 320 |
| LM 35UU-AJ | 384 | 35 | | 52 | -19 | 70 | -300 | 49.5 | -300 | 2.1 | 49 | 2.5 | | | 170 | 320 |
| LM 40AJ | 579 | 40 | 0 | 60 | | 80 | | 60.5 | | 2.1 | 57 | 3 | 20 | | 220 | 410 |
| LM 40UU-AJ | 579 | 40 | -12 | 60 | | 80 | | 60.5 | | 2.1 | 57 | 3 | | | 220 | 410 |
| LM 50AJ | 1,560 | 50 | | 80 | | 100 | | 74 | | 2.6 | 76.5 | 3 | | | 390 | 810 |
| LM 50UU-AJ | 1,560 | 50 | | 80 | | 100 | | 74 | | 2.6 | 76.5 | 3 | | | 390 | 810 |
| LM 60AJ | 1,820 | 60 | | 90 | | 110 | | 85 | | 3.15 | 86.5 | 3 | | | 480 | 1020 |
| LM 60UU-AJ | 1,820 | 60 | 0 | 90 | 0 | 110 | | 85 | | 3.15 | 86.5 | 3 | 25 | | 480 | 1020 |
| LM 80AJ | 4,300 | 80 | | 120 | -22 | 140 | 0 | 105.5 | 0 | 4.15 | 116 | 3 | | | 750 | 1630 |
| LM 80UU-AJ | 4,300 | 80 | -15 | 120 | | 140 | -400 | 105.5 | -400 | 4.15 | 116 | 3 | | | 750 | 1630 |