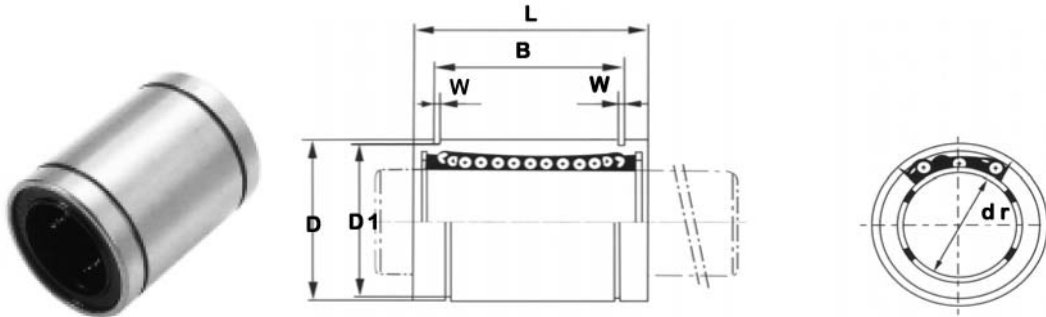
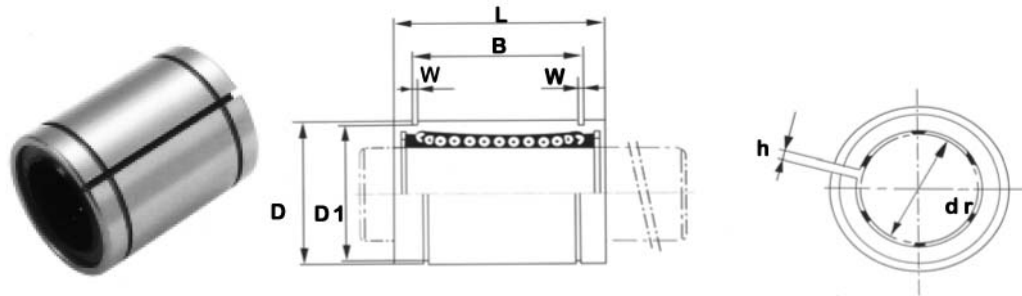


Japanese Standard Linear Bearings Standard Type

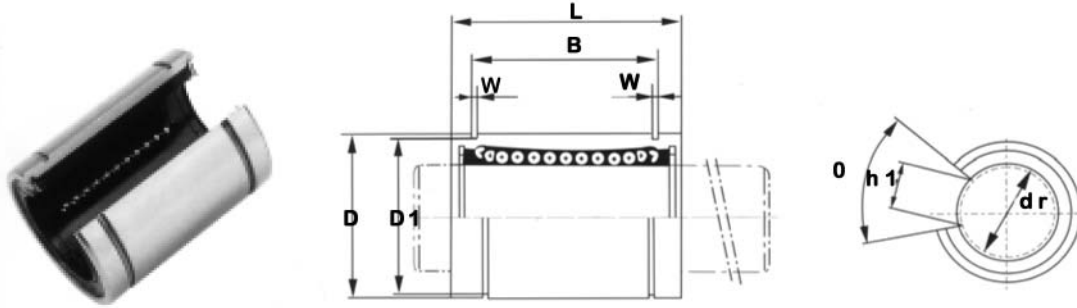


| Part Number | No. of Ball Rows | Main Diameters | | | | | | | | | | Eccentricity (max) | Basic Load Rating | |
|-------------|------------------|---------------------------|-----------|----------------|-----------|--------|-----------|----------------------|-----------|------|------|--------------------|-------------------|-----------------|
| | | Inscribed Circle Diameter | | Outer Diameter | | Length | | Outer Locking Groove | | | | | Dynamic C (kgf) | Static Co (kgf) |
| | | dr | Tolerance | D | Tolerance | L | Tolerance | B | Tolerance | D1 | W | | | |
| LM 04 UU | 4 | 4 | 0 | 8 | 0 | 12 | 0 | - | 0 | - | 1.1 | 0.008 | 9 | 13 |
| LM 05 UU | 4 | 5 | 0 | 10 | 0 | 15 | 0 | 10.2 | 0 | 9.6 | 1.1 | 0.008 | 17 | 21 |
| LM 06 UU | 4 | 6 | 0 | 12 | 0 | 19 | 0 | 13.5 | 0 | 11.5 | 1.1 | 0.012 | 21 | 27 |
| LM 08 UU | 4 | 8 | 0 | 15 | 0 | 24 | 0 | 17.5 | 0 | 14.3 | 1.1 | 0.012 | 27 | 41 |
| LM 10 UU | 4 | 10 | 0 | 19 | 0 | 29 | 0 | 22 | 0 | 18 | 1.3 | 0.012 | 38 | 56 |
| LM 12 UU | 4 | 12 | 0 | 21 | 0 | 30 | 0 | 23 | 0 | 20 | 1.3 | 0.012 | 42 | 61 |
| LM 13 UU | 4 | 13 | 0 | 23 | 0 | 32 | 0 | 23 | 0 | 22 | 1.3 | 0.012 | 52 | 79 |
| LM 16 UU | 5 | 16 | 0 | 28 | 0 | 37 | 0 | 26.5 | 0 | 27 | 1.6 | 0.012 | 79 | 120 |
| LM 20 UU | 5 | 20 | 0 | 32 | 0 | 42 | 0 | 30.5 | 0 | 30.5 | 1.6 | 0.015 | 88 | 140 |
| LM 25 UU | 6 | 25 | 0 | 40 | 0 | 59 | 0 | 41 | 0 | 38 | 1.85 | 0.015 | 100 | 160 |
| LM 30 UU | 6 | 30 | 0 | 45 | 0 | 64 | 0 | 44.5 | 0 | 43 | 1.85 | 0.015 | 160 | 220 |
| LM 35 UU | 6 | 35 | 0 | 52 | 0 | 70 | 0 | 49.5 | 0 | 49 | 2.1 | 0.020 | 170 | 320 |
| LM 40 UU | 6 | 40 | 0 | 60 | 0 | 80 | 0 | 60.5 | 0 | 57 | 2.1 | 0.020 | 220 | 410 |
| LM 50 UU | 6 | 50 | 0 | 80 | 0 | 100 | 0 | 74 | 0 | 76.5 | 2.6 | 0.020 | 390 | 810 |
| LM 60 UU | 6 | 60 | 0 | 90 | 0 | 110 | 0 | 85 | 0 | 86.5 | 3.15 | 0.025 | 480 | 1020 |



| Part Number | No. of Ball Rows | Main Diameters | | | | | | | | | | Eccentricity (max) | Basic Load Rating | | |
|-------------|------------------|---------------------------|-----------|----------------|-----------|--------|-----------|----------------------|-----------|------|------|--------------------|-------------------|-----------------|------|
| | | Inscribed Circle Diameter | | Outer Diameter | | Length | | Outer Locking Groove | | | | | Dynamic C (kgf) | Static Co (kgf) | |
| | | dr | Tolerance | D | Tolerance | L | Tolerance | B | Tolerance | D1 | W | | | | h |
| LM 05 UUAJ | - | - | 0 | - | 0 | - | 0 | - | 0 | - | - | - | 0.012 | - | - |
| LM 06 UUAJ | 4 | 6 | 0 | 12 | 0 | 19 | 0 | 13.5 | 0 | 11.5 | 1.1 | 1 | 0.012 | 21 | 27 |
| LM 08 UUAJ | 4 | 8 | 0 | 15 | 0 | 24 | 0 | 17.5 | 0 | 14.3 | 1.1 | 1 | 0.012 | 27 | 41 |
| LM 10 UUAJ | 4 | 10 | 0 | 19 | 0 | 29 | 0 | 22 | 0 | 18 | 1.3 | 1 | 0.012 | 38 | 56 |
| LM 12 UUAJ | 4 | 12 | 0 | 21 | 0 | 30 | 0 | 23 | 0 | 20 | 1.3 | 1.5 | 0.012 | 42 | 61 |
| LM 13 UUAJ | 4 | 13 | 0 | 23 | 0 | 32 | 0 | 23 | 0 | 22 | 1.3 | 1.5 | 0.012 | 52 | 79 |
| LM 16 UUAJ | 5 | 16 | 0 | 28 | 0 | 37 | 0 | 26.5 | 0 | 27.8 | 1.6 | 1.5 | 0.012 | 79 | 120 |
| LM 20 UUAJ | 5 | 20 | 0 | 32 | 0 | 42 | 0 | 30.5 | 0 | 30.5 | 1.6 | 1.5 | 0.015 | 88 | 140 |
| LM 25 UUAJ | 6 | 25 | 0 | 40 | 0 | 59 | 0 | 41 | 0 | 38 | 1.85 | 2 | 0.015 | 100 | 160 |
| LM 30 UUAJ | 6 | 30 | 0 | 45 | 0 | 64 | 0 | 44.5 | 0 | 43 | 1.85 | 2.5 | 0.015 | 160 | 280 |
| LM 35 UUAJ | 6 | 35 | 0 | 52 | 0 | 70 | 0 | 49.5 | 0 | 49 | 2.1 | 2.5 | 0.020 | 170 | 320 |
| LM 40 UUAJ | 6 | 40 | 0 | 60 | 0 | 80 | 0 | 60.5 | 0 | 57 | 2.1 | 3 | 0.020 | 220 | 410 |
| LM 50 UUAJ | 6 | 50 | 0 | 80 | 0 | 100 | 0 | 74 | 0 | 76.5 | 2.6 | 3 | 0.020 | 390 | 810 |
| LM 60 UUAJ | 6 | 60 | 0 | 90 | 0 | 110 | 0 | 85 | 0 | 86.5 | 3.15 | 3 | 0.025 | 480 | 1020 |

Japanese Standard Linear Bearings Open Type



| Part Number | No. of Ball Rows | Main Diameters | | | | | | | | | | | | Basic Load Rating | | |
|-------------|------------------|---------------------------|-----------|----------------|-----------|--------|-----------|----------------------|-----------|------|--------------------|-----------------|-----------------|-------------------|-----|-----|
| | | Inscribed Circle Diameter | | Outer Diameter | | Length | | Outer Locking Groove | | | Eccentricity (max) | Dynamic C (kgf) | Static Co (kgf) | | | |
| | | dr | Tolerance | D | Tolerance | L | Tolerance | B | Tolerance | D1 | | | | W | h1 | 0 |
| LM 12 UUOP | 3 | 12 | 0 | 21 | 0 | 30 | 0 | 23 | 0 | 20 | 1.3 | 8 | 80° | 0.012 | 42 | 61 |
| LM 13 UUOP | 3 | 13 | 0 | 23 | 0 | 32 | 0 | 23 | 0 | 22 | 1.3 | 9 | 80° | 0.012 | 52 | 79 |
| LM 16 UUOP | 4 | 16 | 0 | 28 | 0 | 37 | 0 | 26.5 | 0 | 27 | 1.6 | 11 | 80° | 0.012 | 79 | 120 |
| LM 20 UUOP | 4 | 20 | 0 | 32 | 0 | 42 | 0 | 30.5 | 0 | 30.5 | 1.6 | 11 | 60° | 0.015 | 88 | 140 |
| LM 25 UUOP | 5 | 25 | 0 | 40 | 0 | 59 | 0 | 41 | 0 | 38 | 1.85 | 12 | 60° | 0.015 | 100 | 160 |
| LM 30 UUOP | 5 | 30 | 0 | 45 | 0 | 64 | 0 | 44.5 | 0 | 43 | 1.85 | 15 | 60° | 0.150 | 160 | 280 |
| LM 35 UUOP | 5 | 35 | 0 | 52 | 0 | 70 | 0 | 49.5 | 0 | 49 | 2.1 | 17 | 60° | 0.020 | 170 | 320 |
| LM 40 UUOP | 5 | 40 | 0 | 60 | 0 | 80 | 0 | 60.5 | 0 | 57 | 2.1 | 20 | 60° | 0.020 | 220 | 410 |
| LM 50 UUOP | 5 | 50 | 0 | 80 | 0 | 100 | 0 | 74 | 0 | 76.5 | 2.6 | 25 | 60° | 0.020 | 390 | 810 |