

# Linear Ball Bearings Technical Information

| MIDLAND BEARINGS PART NUMBER | Shaft Dia (mm) | O.D. (mm) | Length (mm) | Ball Circuit | Weight (kg) | Basic Load Rating Dynamic C N | Basic Load Rating Static Co N | LME--UU CLOSED TYPE DESIGN WITH 2 LIP SEALS                                         |
|------------------------------|----------------|-----------|-------------|--------------|-------------|-------------------------------|-------------------------------|-------------------------------------------------------------------------------------|
| LME8UU                       | 8              | 16        | 25          | 4            | 0.02        | 265                           | 402                           |  |
| LME12UU                      | 12             | 22        | 32          | 4            | 0.041       | 510                           | 784                           |                                                                                     |
| LME16UU                      | 16             | 26        | 36          | 5            | 0.057       | 578                           | 892                           |                                                                                     |
| LME20UU                      | 20             | 32        | 45          | 5            | 0.091       | 862                           | 1370                          |                                                                                     |
| LME25UU                      | 25             | 40        | 58          | 6            | 0.215       | 960                           | 1570                          |                                                                                     |
| LME30UU                      | 30             | 47        | 68          | 6            | 0.325       | 1570                          | 2740                          |                                                                                     |
| LME40UU                      | 40             | 62        | 80          | 6            | 0.705       | 2160                          | 4020                          |                                                                                     |
| LME50UU                      | 50             | 75        | 100         | 6            | 1.13        | 3820                          | 7940                          |                                                                                     |
| LME60UU                      | 60             | 90        | 125         | 6            | 2.05        | 4700                          | 9800                          |                                                                                     |

| MIDLAND BEARINGS PART NUMBER | Shaft Dia (mm) | O.D. (mm) | Length (mm) | Ball Circuit | Weight (kg) | Basic Load Rating Dynamic C N | Basic Load Rating Static Co N | LME--UU-AJ ADJUSTABLE TYPE WITH 2 LIP SEALS                                          |
|------------------------------|----------------|-----------|-------------|--------------|-------------|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|
| LME8UU-AJ                    | 8              | 16        | 25          | 4            | 0.0195      | 265                           | 402                           |  |
| LME12UU-AJ                   | 12             | 22        | 32          | 4            | 0.04        | 510                           | 784                           |                                                                                      |
| LME16UU-AJ                   | 16             | 26        | 36          | 5            | 0.056       | 578                           | 892                           |                                                                                      |
| LME20UU-AJ                   | 20             | 32        | 45          | 5            | 0.09        | 862                           | 1370                          |                                                                                      |
| LME25UU-AJ                   | 25             | 40        | 58          | 6            | 0.212       | 960                           | 1570                          |                                                                                      |
| LME30UU-AJ                   | 30             | 47        | 68          | 6            | 0.32        | 1570                          | 2740                          |                                                                                      |
| LME40UU-AJ                   | 40             | 62        | 80          | 6            | 0.694       | 2160                          | 4020                          |                                                                                      |
| LME50UU-AJ                   | 50             | 75        | 100         | 6            | 1.11        | 3820                          | 7940                          |                                                                                      |
| LME60UU-AJ                   | 60             | 90        | 125         | 6            | 2           | 4700                          | 9800                          |                                                                                      |

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| MIDLAND BEARINGS PART NUMBER | Shaft Dia (mm) | O.D. (mm) | Length (mm) | Ball Circuit | Weight (kg) | Basic Load Rating Dynamic C N | Basic Load Rating Static Co N | LME--UU-OP OPEN TYPE DESIGN WITH 2 LIP SEALS                                        |
|------------------------------|----------------|-----------|-------------|--------------|-------------|-------------------------------|-------------------------------|-------------------------------------------------------------------------------------|
| LME12UU-OP                   | 12             | 22        | 32          | 4            | 0.032       | 510                           | 784                           |  |
| LME16UU-OP                   | 16             | 26        | 36          | 5            | 0.044       | 578                           | 892                           |                                                                                     |
| LME20UU-OP                   | 20             | 32        | 45          | 5            | 0.075       | 862                           | 1370                          |                                                                                     |
| LME25UU-OP                   | 25             | 40        | 58          | 6            | 0.181       | 960                           | 1570                          |                                                                                     |
| LME30UU-OP                   | 30             | 47        | 68          | 6            | 0.272       | 1570                          | 2740                          |                                                                                     |
| LME40UU-OP                   | 40             | 62        | 80          | 6            | 0.6         | 2160                          | 4020                          |                                                                                     |
| LME50UU-OP                   | 50             | 75        | 100         | 6            | 0.97        | 3820                          | 7940                          |                                                                                     |
| LME60UU-OP                   | 60             | 90        | 125         | 6            | 1.58        | 4700                          | 9800                          |                                                                                     |

| MIDLAND BEARINGS PART NUMBER | Shaft Dia (mm) | O.D. (mm) | Length (mm) | Ball Circuit | Weight (kg) | Basic Load Rating Dynamic C N | Basic Load Rating Static Co N | LM--UU CLOSED TYPE DESIGN WITH 2 LIP SEALS                                           |
|------------------------------|----------------|-----------|-------------|--------------|-------------|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|
| LM4UU                        | 4              | 8         | 12          | 4            | 0.0014      | 88.2                          | 127                           |  |
| LM5UU                        | 5              | 10        | 15          | 4            | 0.004       | 167                           | 206                           |                                                                                      |
| LM6UU                        | 6              | 12        | 19          | 4            | 0.008       | 206                           | 265                           |                                                                                      |
| LM8UU                        | 8              | 15        | 24          | 4            | 0.016       | 265                           | 402                           |                                                                                      |
| LM10UU                       | 10             | 19        | 29          | 4            | 0.03        | 373                           | 549                           |                                                                                      |
| LM12UU                       | 12             | 21        | 30          | 4            | 0.032       | 412                           | 598                           |                                                                                      |
| LM16UU                       | 16             | 28        | 37          | 5            | 0.069       | 775                           | 1180                          |                                                                                      |
| LM20UU                       | 20             | 32        | 42          | 5            | 0.087       | 863                           | 1370                          |                                                                                      |
| LM25UU                       | 25             | 40        | 59          | 6            | 0.22        | 980                           | 1570                          |                                                                                      |
| LM30UU                       | 30             | 45        | 64          | 6            | 0.25        | 1570                          | 2750                          |                                                                                      |
| LM35UU                       | 35             | 52        | 70          | 6            | 0.39        | 1670                          | 3140                          |                                                                                      |
| LM40UU                       | 40             | 60        | 80          | 6            | 0.585       | 2160                          | 4020                          |                                                                                      |
| LM50UU                       | 50             | 80        | 100         | 6            | 1.5         | 3820                          | 7940                          |                                                                                      |
| LM60UU                       | 60             | 80        | 110         | 6            | 2           | 4710                          | 10000                         |                                                                                      |

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| MIDLAND BEARINGS PART NUMBER  | Shaft Dia (mm) | O.D. (mm) | Length (mm) | Ball Circuit | Weight (kg) | Basic Load Rating Dynamic C N | Basic Load Rating Static Co N | KH SERIES - CLOSED SHORT DESIGN<br>AVAILABLE WITH OR WITHOUT 2 LIP SEALS (-2RS)     |
|-------------------------------|----------------|-----------|-------------|--------------|-------------|-------------------------------|-------------------------------|-------------------------------------------------------------------------------------|
| <a href="#">KH0622 (-2RS)</a> | 6              | 12        | 22          | 4            | 0.007       | 400                           | 239                           |  |
| <a href="#">KH0824 (-2RS)</a> | 8              | 15        | 24          | 4            | 0.012       | 435                           | 280                           |                                                                                     |
| <a href="#">KH1026 (-2RS)</a> | 10             | 17        | 26          | 4            | 0.015       | 500                           | 370                           |                                                                                     |
| <a href="#">KH1228 (-2RS)</a> | 12             | 19        | 28          | 5            | 0.019       | 620                           | 510                           |                                                                                     |
| <a href="#">KH1428 (-2RS)</a> | 14             | 21        | 28          | 5            | 0.021       | 620                           | 520                           |                                                                                     |
| <a href="#">KH1630 (-2RS)</a> | 16             | 24        | 30          | 5            | 0.028       | 800                           | 620                           |                                                                                     |
| <a href="#">KH2030 (-2RS)</a> | 20             | 28        | 30          | 6            | 0.033       | 950                           | 790                           |                                                                                     |
| <a href="#">KH2540 (-2RS)</a> | 25             | 35        | 40          | 6            | 0.066       | 1990                          | 1670                          |                                                                                     |
| <a href="#">KH3050 (-2RS)</a> | 30             | 40        | 50          | 7            | 0.095       | 2800                          | 2700                          |                                                                                     |
| <a href="#">KH4060 (-2RS)</a> | 40             | 52        | 60          | 8            | 0.182       | 4400                          | 4450                          |                                                                                     |
| <a href="#">KH5070 (-2RS)</a> | 50             | 62        | 70          | 9            | 0.252       | 5500                          | 6300                          |                                                                                     |

| MIDLAND BEARINGS PART NUMBER | Shaft Dia (mm / inch) | O.D. (mm / inch) | Length (mm / inch) | Ball Circuit | Weight (kg) | Basic Load Rating Dynamic C N | Basic Load Rating Static Co N | SDB Series Imperial Closed Linear (No Lip Seals)                                     |
|------------------------------|-----------------------|------------------|--------------------|--------------|-------------|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|
| <a href="#">SDB4</a>         | 6.35 / 0.2500         | 12.7 / 0.5000    | 19.05 / 0.7500     | 4            | 0.0095      | 206                           | 265                           |  |
| <a href="#">SDB6</a>         | 9.525 / 0.3750        | 15.875 / 0.6250  | 22.225 / 0.8750    | 4            | 0.015       | 225                           | 314                           |                                                                                      |
| <a href="#">SDB8</a>         | 12.7 / 0.5000         | 22.225 / 0.8750  | 31.75 / 1.2500     | 4            | 0.042       | 510                           | 784                           |                                                                                      |
| <a href="#">SDB10</a>        | 15.875 / 0.6250       | 28.575 / 1.1250  | 38.1 / 1.5000      | 4            | 0.085       | 774                           | 1180                          |                                                                                      |
| <a href="#">SDB12</a>        | 19.05 / 0.7500        | 31.75 / 1.2500   | 41.275 / 1.6250    | 5            | 0.104       | 862                           | 1370                          |                                                                                      |
| <a href="#">SDB16</a>        | 25.4 / 1.0000         | 39.6875 / 1.5625 | 57.15 / 2.2500     | 6            | 0.22        | 980                           | 1570                          |                                                                                      |
| <a href="#">SDB20</a>        | 31.75 / 1.2500        | 50.8 / 2.0000    | 66.675 / 2.6250    | 6            | 0.465       | 1570                          | 2740                          |                                                                                      |
| <a href="#">SDB24</a>        | 38.1 / 1.5000         | 60.325 / 2.3750  | 76.2 / 3.0000      | 6            | 0.72        | 2180                          | 4020                          |                                                                                      |
| <a href="#">SDB32</a>        | 50.8 / 2.0000         | 76.2 / 3.0000    | 101.6 / 4.0000     | 6            | 1.31        | 3820                          | 7940                          |                                                                                      |