

LMB...UU..OP Series

|          |           | Resin retainer |             |           |        | Nominal shaft diameter |           |            |       |        |       | d <sub>r</sub> |                 |               |            |          |              | Major dimensions and tolerance |                   |               |                     |                   |             |                     |                   |            |              |            |              | Eccentricity |           | Radial clearance (Max) |                        | Bore load rating(N) |        |
|----------|-----------|----------------|-------------|-----------|--------|------------------------|-----------|------------|-------|--------|-------|----------------|-----------------|---------------|------------|----------|--------------|--------------------------------|-------------------|---------------|---------------------|-------------------|-------------|---------------------|-------------------|------------|--------------|------------|--------------|--------------|-----------|------------------------|------------------------|---------------------|--------|
| LMB...UU | Ball (mm) | Weight(Kg)     | LMB...UU-AJ | Ball (mm) | Weight | LMB...UU-OP            | Ball (mm) | Weight(Kg) | Inch  | mm     | Inch  | mm             | Precision(Inch) | Precision(gm) | High(Inch) | High(gm) | D(Inch/mm)   | D Tolerance (Inch/)            | D Tolerance (gm/) | L(Inch/mm)    | L Tolerance (Inch/) | L Tolerance (gm/) | B(Inch/mm)  | B Tolerance (Inch/) | B Tolerance (gm/) | W(Inch/mm) | D1(Inch/mm)  | b(Inch/mm) | h1(Inch/mm)  | Ø            | Precision | High                   | Radial clearance (Max) | Dynamic             | Static |
| LMB4     | 4         | 8              | LMB4-AJ     | 4         | 7.5    | —                      | —         | —          | 1/4   | 6.35   | 0.25  | 6.35           | 0-.00025        | 0/-4          | 0-.00040   | 0/-9     | 200012.700   | 0-.00041                       | 0/-11             | 7500/19.05    | 0-.008              | 0/-200            | 5116/12.98  | 0-.008              | 0/-200            | 03000.992  | 4687/11.906  | .04/1      | —            | —            | .0003/8   | 0005/12                | -.0001/-3              | 206                 | 265    |
| LMB6UU   | 4         | 14             | LMB6UU-AJ   | 4         | 13.5   | —                      | —         | —          | 3/8   | 9.525  | 0.375 | 9.525          | 0-.00025        | 0/-4          | 0-.00040   | 0/-9     | 6250/15.875  | 0-.00050                       | 0/-13             | 8750/22.225   | 0-.008              | 0/-200            | 6356/16.15  | 0-.008              | 0/-200            | 03000.992  | 5880/14.935  | .04/1      | —            | —            | .0003/8   | 0005/12                | -.0001/-3              | 225                 | 314    |
| LMB8UU   | 4         | 37             | LMB8UU-AJ   | 4         | 36.5   | LMB8UU-OP              | 3         | 28         | 1/2   | 12.7   | 0.5   | 12.7           | 0-.00025        | 0/-4          | 0-.00040   | 0/-9     | 8750/22.225  | 0-.00050                       | 0/-13             | 12500/31.75   | 0-.008              | 0/-200            | 9625/24.48  | 0-.008              | 0/-200            | 6400/1.168 | 6209/20.833  | .06/1.5    | 347/9375     | 80°          | .0003/8   | 0005/12                | -.0001/-3              | 510                 | 784    |
| LMB10UU  | 4         | 76             | LMB10UU-AJ  | 4         | 74     | LMB10UU-OP             | 3         | 57         | 5/8   | 15.875 | 0.625 | 15.875         | 0-.00025        | 0/-4          | 0-.00040   | 0/-9     | 11250/28.375 | 0-.00050                       | 0/-13             | 15000/38.100  | 0-.008              | 0/-200            | 11099/28.64 | 0-.008              | 0/-200            | 8509/1.422 | 10595/26.899 | .06/1.5    | 2708/323     | 80°          | .0003/8   | 0005/12                | -.0001/0.0154          | 774                 | 1180   |
| LMB12UU  | 5         | 95             | LMB12UU-AJ  | 5         | 93     | LMB12UU-OP             | 4         | 76         | 3/4   | 19.05  | 0.75  | 19.05          | 0-.00030        | 0/-7          | 0-.00040   | 0/-10    | 35750/1.250  | 0-.00055                       | 0/-16             | 16250/41.275  | 0-.008              | 0/-200            | 11637/29.41 | 0-.008              | 0/-200            | 8579/1.422 | 11760/29.870 | .06/1.5    | 4376/1.1125  | 60°          | .0004/8   | 0006/15                | -.0002/0.01154         | 862                 | 1370   |
| LMB16UU  | 6         | 200            | LMB16UU-AJ  | 6         | 198    | LMB16UU-OP             | 5         | 170        | 1     | 25.4   | 1     | 25.4           | 0-.00030        | 0/-7          | 0-.00040   | 0/-10    | 39680/1.5625 | 0-.00065                       | 0/-16             | 23500/57.150  | 0-.012              | 0/-300            | 17547/44.57 | 0-.012              | 0/-300            | 8679/1.737 | 14687/37.306 | .06/1.5    | 5625/14.2875 | 50°          | .0004/8   | 0006/15                | -.0002/0.01154         | 880                 | 1570   |
| LMB20UU  | 6         | 440            | LMB20UU-AJ  | 6         | 430    | LMB20UU-OP             | 5         | 370        | 1-1/4 | 31.75  | 1.25  | 31.75          | 0-.00035        | 0/-8          | 0-.00050   | 0/-12    | 50800/2.0000 | 0-.00075                       | 0/-19             | 26250/66.675  | 0-.012              | 0/-300            | 2004750.92  | 0-.012              | 0/-300            | 8679/1.727 | 18850/47.904 | 1.02/5     | 625/15.875   | 50°          | .0005/12  | 0008/20                | -.0003/8               | 1570                | 2740   |
| LMB24UU  | 6         | 670            | LMB24UU-AJ  | 6         | 660    | LMB24UU-OP             | 5         | 570        | 1-1/2 | 38.1   | 1.5   | 38.1           | 0-.00035        | 0/-8          | 0-.00050   | 0/-12    | 60325/2.3750 | 0-.00075                       | 0/-19             | 31000/76.200  | 0-.012              | 0/-300            | 2411/861.26 | 0-.012              | 0/-300            | 8682/1.84  | 22380/56.870 | 1.2/3      | 75/19.05     | 50°          | .0005/12  | 0008/20                | -.0003/8               | 2180                | 4020   |
| LMB32UU  | 6         | 1              | LMB32UU-AJ  | 6         | 1120   | LMB32UU-OP             | 5         | 980        | 2     | 50.8   | 2     | 50.8           | 0-.00035        | 0/-8          | 0-.00050   | 0/-12    | 76200/3.0000 | 0-.00090                       | 0/-22             | 40000/101.600 | 0-.012              | 0/-300            | 3191/781.07 | 0-.012              | 0/-300            | 10292/416  | 28379/72.085 | 1.2/3      | 1.02/5.40    | 50°          | .0007/17  | 0010/25                | -.0005/13              | 3820                | 7940   |