



| Resin retainer |              |            |            |              |        | Nominal shaft diameter |              |            |     | dr  |           | Major dimensions and tolerance |      |               |      |               |       |               |       |        |       |        |     | Eccentricity |      | Radial clearance (Max) |         | Basic load rating(kN) |  |
|----------------|--------------|------------|------------|--------------|--------|------------------------|--------------|------------|-----|-----|-----------|--------------------------------|------|---------------|------|---------------|-------|---------------|-------|--------|-------|--------|-----|--------------|------|------------------------|---------|-----------------------|--|
| LM...UU        | Ball circuit | Weight(Kg) | LM...UU-AJ | Ball circuit | Weight | LM...UU-OP             | Ball circuit | Weight(Kg) | mm  | mm  | Tolerance | Tolerance                      | D mm | Tolerance(μm) | L mm | Tolerance(μm) | B mm  | Tolerance(μm) | W(mm) | D1(mm) | h(mm) | h1(mm) | θ   | Precision    | High |                        | Dynamic | Static                |  |
| LM3            | 4            | 1.35       | —          | —            | —      | —                      | —            | —          | 3   | 3   | 0/-5      | 0/-8                           | 7    | 0/-9          | 10   | 0/-120        | —     | —             | —     | —      | —     | —      | —   | 4            | 8    | -3                     | 69      | 105                   |  |
| LM4            | 4            | 1.9        | —          | —            | —      | —                      | —            | —          | 4   | 4   | 0/-5      | 0/-8                           | 8    | 0/-9          | 12   | 0/-120        | —     | —             | —     | —      | —     | —      | —   | 4            | 8    | -3                     | 88      | 127                   |  |
| LM5UU          | 4            | 4          | —          | —            | —      | —                      | —            | —          | 5   | 5   | 0/-5      | 0/-8                           | 10   | 0/-9          | 15   | 0/-120        | 10.2  | 0/-200        | 1.1   | 9.6    | —     | —      | —   | 4            | 8    | -3                     | 167     | 206                   |  |
| LM6UU          | 4            | 7.6        | LM6UU-AJ   | 4            | 7.5    | —                      | —            | —          | 6   | 6   | 0/-6      | 0/-9                           | 12   | 0/-11         | 19   | 0/-200        | 13.5  | 0/-200        | 1.1   | 11.5   | 1     | —      | —   | 8            | 12   | -3                     | 206     | 265                   |  |
| LM8SUU         | 4            | 10.4       | LM8SUU-AJ  | 4            | 10     | —                      | —            | —          | 8   | 8   | 0/-6      | 0/-9                           | 15   | 0/-11         | 17   | 0/-200        | 11.5  | 0/-200        | 1.1   | 14.3   | 1     | —      | —   | 8            | 12   | -3                     | 176     | 216                   |  |
| LM8UU          | 4            | 15         | LM8UU-AJ   | 4            | 14.7   | —                      | —            | —          | 8   | 8   | 0/-6      | 0/-9                           | 15   | 0/-11         | 24   | 0/-200        | 17.5  | 0/-200        | 1.1   | 14.3   | 1     | —      | —   | 8            | 12   | -3                     | 274     | 392                   |  |
| LM10UU         | 4            | 29.5       | LM10UU-AJ  | 4            | 29     | LM10UU-OP              | 3            | 23         | 10  | 10  | 0/-6      | 0/-9                           | 19   | 0/-13         | 29   | 0/-200        | 22    | 0/-200        | 1.3   | 18     | 1     | 6.8    | 80° | 8            | 12   | -4                     | 372     | 549                   |  |
| LM12UU         | 4            | 31.5       | LM12UU-AJ  | 4            | 31     | LM12UU-OP              | 3            | 25         | 12  | 12  | 0/-6      | 0/-9                           | 21   | 0/-13         | 30   | 0/-200        | 23    | 0/-200        | 1.3   | 20     | 1.5   | 8      | 80° | 8            | 12   | -4                     | 510     | 784                   |  |
| LM13UU         | 4            | 43         | LM13UU-AJ  | 4            | 42     | LM13UU-OP              | 3            | 34         | 13  | 13  | 0/-6      | 0/-9                           | 23   | 0/-13         | 32   | 0/-200        | 23    | 0/-200        | 1.3   | 22     | 1.5   | 9      | 80° | 8            | 12   | -4                     | 510     | 784                   |  |
| LM16UU         | 5            | 69         | LM16UU-AJ  | 5            | 68     | LM16UU-OP              | 4            | 52         | 16  | 16  | 0/-6      | 0/-9                           | 28   | 0/-13         | 37   | 0/-200        | 26.5  | 0/-200        | 1.6   | 27     | 1.5   | 11     | 80° | 8            | 12   | -6                     | 774     | 1180                  |  |
| LM20UU         | 5            | 87         | LM20UU-AJ  | 5            | 85     | LM20UU-OP              | 4            | 69         | 20  | 20  | 0/-7      | 0/-10                          | 32   | 0/-16         | 42   | 0/-200        | 30.5  | 0/-200        | 1.6   | 30.5   | 1.5   | 11     | 60° | 10           | 15   | -6                     | 882     | 1370                  |  |
| LM25UU         | 6            | 220        | LM25UU-AJ  | 6            | 216    | LM25UU-OP              | 5            | 188        | 25  | 25  | 0/-7      | 0/-10                          | 40   | 0/-16         | 59   | 0/-300        | 41    | 0/-300        | 1.85  | 38     | 2     | 12     | 50° | 10           | 15   | -6                     | 980     | 1570                  |  |
| LM30UU         | 6            | 250        | LM30UU-AJ  | 6            | 245    | LM30UU-OP              | 5            | 210        | 30  | 30  | 0/-7      | 0/-10                          | 45   | 0/-16         | 64   | 0/-300        | 44.5  | 0/-300        | 1.85  | 43     | 2.5   | 15     | 50° | 10           | 15   | -8                     | 1570    | 2740                  |  |
| LM35UU         | 6            | 390        | LM35UU-AJ  | 6            | 384    | LM35UU-OP              | 5            | 335        | 35  | 35  | 0/-8      | 0/-12                          | 52   | 0/-19         | 70   | 0/-300        | 49.5  | 0/-300        | 2.1   | 49     | 2.5   | 17     | 50° | 12           | 20   | -8                     | 1670    | 3140                  |  |
| LM40UU         | 6            | 585        | LM40UU-AJ  | 6            | 579    | LM40UU-OP              | 5            | 500        | 40  | 40  | 0/-8      | 0/-12                          | 60   | 0/-19         | 80   | 0/-300        | 60.5  | 0/-300        | 2.1   | 57     | 3     | 20     | 50° | 12           | 20   | -10                    | 2160    | 420                   |  |
| LM50UU         | 6            | 1580       | LM50UU-AJ  | 6            | 1560   | LM50UU-OP              | 5            | 1340       | 50  | 50  | 0/-8      | 0/-12                          | 80   | 0/-19         | 100  | 0/-300        | 74    | 0/-300        | 2.6   | 76.5   | 3     | 25     | 50° | 12           | 20   | -13                    | 3820    | 7940                  |  |
| LM60UU         | 6            | 1860       | LM60UU-AJ  | 6            | 1820   | LM60UU-OP              | 5            | 1610       | 60  | 60  | 0/-9      | 0/-15                          | 90   | 0/-22         | 110  | 0/-300        | 85    | 0/-300        | 3.15  | 86.5   | 3     | 30     | 50° | 17           | 25   | -13                    | 4700    | 100                   |  |
| LM80UU         | 6            | 4420       | LM80UU-AJ  | 6            | 4300   | LM80UU-OP              | 5            | 3650       | 80  | 80  | 0/-9      | 0/-15                          | 120  | 0/-22         | 140  | 0/-400        | 105.5 | 0/-400        | 4.15  | 116    | 3     | 40     | 50° | 17           | 25   | -20                    | 7350    | 160                   |  |
| LM100UU        | 6            | 8600       | LM100UU-AJ | 6            | 8540   | LM100UU-OP             | 5            | 7200       | 100 | 100 | 0/-10     | 0/-20                          | 150  | 0/-25         | 175  | 0/-400        | 125.5 | 0/-400        | 4.15  | 145    | 3     | 50     | 50° | 20           | 30   | -20                    | 14100   | 34800                 |  |
| LM120UU        | 8            | 15000      | LM120UU-AJ | 8            | 14900  | LM120UU-OP             | 6            | 11600      | 120 | 120 | 0/-10     | 0/-20                          | 180  | 0/-25         | 200  | 0/-400        | 158.6 | 0/-400        | 4.15  | 175    | 3     | 85     | 80° | 20           | 30   | -25                    | 16400   | 400                   |  |
| LM150UU        | 8            | 20250      | LM150UU-AJ | 8            | 20150  | LM150UU-OP             | 6            | 15700      | 150 | -   | -13       | 0/-25                          | 210  | -29           | 240  | 0/-400        | 170.6 | 0/-400        | 5.15  | 204    | 3     | 105    | 80° | 25           | 40   | -25                    | 21100   | 54300                 |  |