

# BALL BEARING SIZE CHART



**FOREST EDGE  
ENGINEERING LTD**

## Extra Thin Metric Series Bearings

| Bearing Designation |       |      |             | Dimensions |    |      |      |     |       | Load Rating | Load Rating |
|---------------------|-------|------|-------------|------------|----|------|------|-----|-------|-------------|-------------|
|                     |       |      |             | d          | D  | Df   | B/B1 | Bf  | rsmin |             |             |
| Flanged             | Open  | Seal | Rubber Seal | mm         | mm | mm   | mm   | mm  | mm    | Cr (kN)     | Cor (kN)    |
| F                   | 6700  | ZZ   | 2RS         | 10         | 15 | 16.5 | 3/4  | 0.8 | 0.15  | 0.8526      | 0.4312      |
| F                   | 6800  | ZZ   | 2RS         | 10         | 19 | 21   | 5    | 1   | 0.3   | 1.715       | 0.8428      |
| F                   | 63800 | ZZ   | 2RS         | 10         | 19 | 21   | 7    | 1.5 | 0.3   | 1.715       | 0.8428      |
| F                   | 6800W | ZZ   | 2RS         | 10         | 19 | 21   | 4    | 1   | 0.15  | 0.8526      | 0.4312      |
| F                   | 6900  | ZZ   | 2RS         | 10         | 22 | 25   | 6    | 1.5 | 0.3   | 2.695       | 1.274       |
| F                   | 6900W | ZZ   | 2RS         | 10         | 22 | 25   | 5    | 1.5 | 0.3   | 1.715       | 0.8428      |
| F                   | 6701  | ZZ   | 2RS         | 12         | 18 | 19.5 | 4    | 0.8 | 0.2   | 0.9212      | 0.5292      |
| F                   | 6801  | ZZ   | 2RS         | 12         | 21 | 23   | 5    | 1.1 | 0.3   | 1.911       | 1.0388      |
| F                   | 63801 | ZZ   | 2RS         | 12         | 21 | 23   | 7    | 1.5 | 0.3   | 1.911       | 1.0388      |
| F                   | 6801W | ZZ   | 2RS         | 12         | 21 | 23   | 4    | 1.1 | 0.2   | 0.9212      | 0.5292      |
| F                   | 6901  | ZZ   | 2RS         | 12         | 24 | 26.5 | 6    | 1.5 | 0.3   | 2.8812      | 1.47        |
| F                   | 6901W | ZZ   | 2RS         | 12         | 24 | 26.5 | 5    | 1.5 | 0.3   | 1.911       | 1.0388      |
| F                   | 6702  | ZZ   | 2RS         | 15         | 21 | 22.5 | 4    | 0.8 | 0.2   | 0.9408      | 0.5782      |
| F                   | 6802  | ZZ   | 2RS         | 15         | 24 | 26   | 5    | 1.1 | 0.3   | 2.0678      | 1.2544      |
| F                   | 63802 | ZZ   | 2RS         | 15         | 24 | 26   | 7    | 1.5 | 0.3   | 2.0678      | 1.2544      |
| F                   | 6802W | ZZ   | 2RS         | 15         | 24 | 26   | 4    | 1.1 | 0.2   | 0.9408      | 0.5782      |
| F                   | 6902  | ZZ   | 2RS         | 15         | 28 | 30.5 | 7    | 1.5 | 0.3   | 4.3218      | 2.2638      |
| F                   | 6902W | ZZ   | 2RS         | 15         | 28 | 30.5 | 5    | 1.5 | 0.3   | 2.0678      | 1.2544      |
| F                   | 6703  | ZZ   | 2RS         | 17         | 23 | 24.5 | 4    | 0.8 | 0.2   | 0.9996      | 0.6566      |
| F                   | 6803  | ZZ   | 2RS         | 17         | 26 | 28   | 5    | 1.1 | 0.3   | 2.2344      | 1.4602      |
| F                   | 63803 | ZZ   | 2RS         | 17         | 26 | 28   | 7    | 1.5 | 0.3   | 2.2344      | 1.4602      |
| F                   | 6803W | ZZ   | 2RS         | 17         | 26 | 28   | 4    | 1.1 | 0.2   | 0.9996      | 0.6566      |
| F                   | 6903  | ZZ   | 2RS         | 17         | 30 | 32.5 | 7    | 1.5 | 0.3   | 4.5864      | 2.5676      |
| F                   | 6903W | ZZ   | 2RS         | 17         | 30 | 32.5 | 5    | 1.5 | 0.3   | 2.2344      | 1.4602      |
| F                   | 6704  | ZZ   | 2RS         | 20         | 27 | 28.5 | 4    | 0.8 | 0.2   | 1.0388      | 0.7252      |
| F                   | 6804  | ZZ   | 2RS         | 20         | 32 | 35   | 7    | 1.5 | 0.3   | 4.018       | 2.4598      |
| F                   | 63804 | ZZ   | 2RS         | 20         | 32 | 35   | 10   | 2   | 0.3   | 4.018       | 2.4598      |
| F                   | 6804W | ZZ   | 2RS         | 20         | 32 | 35   | 4    | 1.5 | 0.2   | 1.0388      | 0.7252      |
| F                   | 6904  | ZZ   | 2RS         | 20         | 37 | 40   | 9    | 2   | 0.3   | 6.3798      | 3.6848      |
| F                   | 6904W | ZZ   | 2RS         | 20         | 37 | 40   | 7    | 2   | 0.3   | 4.018       | 2.4598      |
| F                   | 6705  | -    | 2RS         | 25         | 32 | 34   | 4    | 1   | 0.2   | 1.0878      | 0.8428      |
| F                   | 6805  | ZZ   | 2RS         | 25         | 37 | 40   | 7    | 1.5 | 0.3   | 4.3022      | 2.9302      |
| F                   | 63805 | ZZ   | 2RS         | 25         | 37 | 40   | 10   | 2   | 0.3   | 4.3022      | 2.9302      |
| F                   | 6805W | -    | 2RS         | 25         | 37 | 40   | 4    | 1.5 | 0.2   | 1.0878      | 0.8428      |
| F                   | 6905  | ZZ   | 2RS         | 25         | 42 | 45   | 9    | 2   | 0.3   | 6.9972      | 4.5374      |
| F                   | 6905W | ZZ   | 2RS         | 25         | 42 | 45   | 7    | 2   | 0.3   | 4.3022      | 2.9302      |
| F                   | 6706  | -    | 2RS         | 30         | 37 | 39   | 4    | 1   | 0.2   | 1.1466      | 0.9506      |

| Bearing Designation |       |      |             | Dimensions |    |    |      |     |                  | Load Rating | Load Rating |
|---------------------|-------|------|-------------|------------|----|----|------|-----|------------------|-------------|-------------|
|                     |       |      |             | d          | D  | Df | B/B1 | Bf  | r <sub>min</sub> |             |             |
| Flanged             | Open  | Seal | Rubber Seal | mm         | mm | mm | mm   | mm  | mm               | Cr (kN)     | Cor (kN)    |
| F                   | 6806  | ZZ   | 2RS         | 30         | 42 | 45 | 7    | 1.5 | 0.3              | 4.5374      | 3.4006      |
| F                   | 63806 | ZZ   | 2RS         | 30         | 42 | 45 | 10   | 2   | 0.3              | 4.5374      | 3.4006      |
| F                   | 6806W | -    | 2RS         | 30         | 42 | 45 | 4    | 1.5 | 0.2              | 1.1466      | 0.9506      |
| F                   | 6906  | ZZ   | 2RS         | 30         | 47 | 50 | 9    | 2   | 0.3              | 7.2422      | 5.0078      |
| F                   | 6906W | ZZ   | 2RS         | 30         | 47 | 50 | 7    | 2   | 0.3              | 4.5374      | 3.4006      |