

074

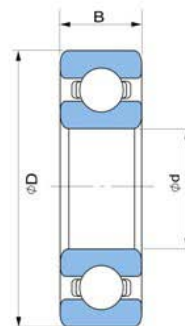
D6

Deep Groove Ball Bearings

## Single Row Extra Thin Type Series : 6800

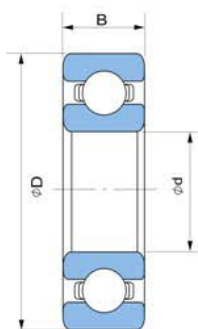
| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |             | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|-------------|-------|----------|
|             | d                | D       | B      | Dynamic<br>N       | Static<br>N |       |          |
| 6800        | 10.000           | 19.000  | 5.000  | 1647               | 832         | 34200 | 0.005    |
| 6801        | 12.000           | 21.000  | 5.000  | 1728               | 936         | 31500 | 0.006    |
| 6802        | 15.000           | 24.000  | 5.000  | 1872               | 1134        | 27900 | 0.007    |
| 6803        | 17.000           | 26.000  | 5.000  | 2529               | 1548        | 25200 | 0.008    |
| 6804        | 20.000           | 32.000  | 7.000  | 3600               | 2223        | 22500 | 0.019    |
| 6805        | 25.000           | 37.000  | 7.000  | 3870               | 2655        | 18900 | 0.022    |
| 6806        | 30.000           | 42.000  | 7.000  | 4230               | 3285        | 16200 | 0.026    |
| 6807        | 35.000           | 47.000  | 7.000  | 4410               | 3645        | 14400 | 0.029    |
| 6808        | 40.000           | 52.000  | 7.000  | 4590               | 3960        | 12600 | 0.033    |
| 6809        | 45.000           | 58.000  | 7.000  | 4851               | 4455        | 10800 | 0.040    |
| 6810        | 50.000           | 65.000  | 7.000  | 5940               | 5490        | 9900  | 0.052    |
| 6811        | 55.000           | 72.000  | 9.000  | 7920               | 7290        | 9000  | 0.083    |
| 6812        | 60.000           | 78.000  | 10.000 | 10350              | 9540        | 8460  | 0.106    |
| 6813        | 65.000           | 85.000  | 10.000 | 10440              | 9900        | 7830  | 0.128    |
| 6814        | 70.000           | 90.000  | 10.000 | 10890              | 10710       | 7290  | 0.137    |
| 6815        | 75.000           | 95.000  | 10.000 | 11250              | 11610       | 6840  | 0.145    |
| 6816        | 80.000           | 100.000 | 10.000 | 11430              | 11970       | 6390  | 0.154    |
| 6817        | 85.000           | 110.000 | 13.000 | 16830              | 17100       | 6030  | 0.270    |
| 6818        | 90.000           | 115.000 | 13.000 | 17100              | 17730       | 5670  | 0.285    |
| 6819        | 95.000           | 120.000 | 13.000 | 17370              | 18450       | 5310  | 0.300    |
| 6820        | 100.000          | 125.000 | 13.000 | 17640              | 19080       | 5040  | 0.313    |
| 6821        | 105.000          | 130.000 | 13.000 | 17820              | 19800       | 4860  | 0.330    |
| 6822        | 110.000          | 140.000 | 16.000 | 25920              | 28800       | 4590  | 0.515    |
| 6824        | 120.000          | 150.000 | 16.000 | 26010              | 29700       | 4230  | 0.555    |
| 6826        | 130.000          | 165.000 | 18.000 | 33300              | 36900       | 3870  | 0.800    |
| 6828        | 140.000          | 175.000 | 18.000 | 34650              | 40050       | 3600  | 0.850    |
| 6830        | 150.000          | 190.000 | 20.000 | 42750              | 49500       | 3330  | 1.160    |

KG®



## \*Note:

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.



**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row Thin Type Series : 6900

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|----------|
|             |                  |         |        | N                  |        |       |          |
|             | d                | D       | B      | Dynamic            | Static |       |          |
| 6900        | 10.000           | 22.000  | 6.000  | 2430               | 1143   | 32400 | 0.009    |
| 6901        | 12.000           | 24.000  | 6.000  | 2601               | 1314   | 28800 | 0.011    |
| 6902        | 15.000           | 28.000  | 7.000  | 3690               | 1854   | 25200 | 0.016    |
| 6903        | 17.000           | 30.000  | 7.000  | 4185               | 2322   | 23400 | 0.018    |
| 6904        | 20.000           | 37.000  | 9.000  | 5760               | 3330   | 20700 | 0.036    |
| 6905        | 25.000           | 42.000  | 9.000  | 6345               | 4095   | 17100 | 0.042    |
| 6906        | 30.000           | 47.000  | 9.000  | 6525               | 4500   | 15300 | 0.048    |
| 6907        | 35.000           | 55.000  | 10.000 | 8595               | 6165   | 13500 | 0.074    |
| 6908        | 40.000           | 62.000  | 12.000 | 10980              | 8010   | 11700 | 0.110    |
| 6909        | 45.000           | 68.000  | 12.000 | 11790              | 9360   | 10800 | 0.128    |
| 6910        | 50.000           | 72.000  | 12.000 | 12060              | 10080  | 9900  | 0.132    |
| 6911        | 55.000           | 80.000  | 13.000 | 14400              | 11970  | 8640  | 0.180    |
| 6912        | 60.000           | 85.000  | 13.000 | 14760              | 12870  | 8010  | 0.193    |
| 6913        | 65.000           | 90.000  | 13.000 | 15660              | 14490  | 7380  | 0.206    |
| 6914        | 70.000           | 100.000 | 16.000 | 21330              | 19080  | 6930  | 0.334    |
| 6915        | 75.000           | 105.000 | 16.000 | 21960              | 20340  | 6480  | 0.353    |
| 6916        | 80.000           | 110.000 | 16.000 | 22410              | 21600  | 6030  | 0.373    |
| 6917        | 85.000           | 120.000 | 18.000 | 28800              | 26640  | 5670  | 0.536    |
| 6918        | 90.000           | 125.000 | 18.000 | 29700              | 28350  | 5400  | 0.554    |
| 6919        | 95.000           | 130.000 | 18.000 | 30150              | 30150  | 5130  | 0.579    |
| 6920        | 100.000          | 140.000 | 20.000 | 36900              | 35550  | 4770  | 0.785    |
| 6921        | 105.000          | 145.000 | 20.000 | 38250              | 37800  | 4590  | 0.816    |
| 6922        | 110.000          | 150.000 | 20.000 | 39150              | 40050  | 4320  | 0.849    |
| 6924        | 120.000          | 165.000 | 22.000 | 47700              | 48600  | 3960  | 1.150    |
| 6926        | 130.000          | 180.000 | 24.000 | 58500              | 60750  | 3690  | 1.520    |
| 6928        | 140.000          | 190.000 | 24.000 | 59850              | 64350  | 3420  | 1.620    |
| 6930        | 150.000          | 210.000 | 28.000 | 76500              | 81450  | 3150  | 2.470    |

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Deep Groove Ball Bearings

DG

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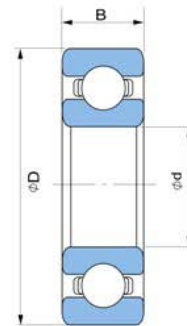
D6

Deep Groove Ball Bearings

## Single Row Thin Type Series : 16000

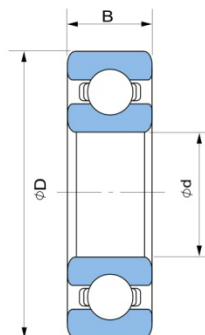
| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |             | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|-------------|-------|----------|
|             | d                | D       | B      | Dynamic<br>N       | Static<br>N |       |          |
| 16100       | 10.000           | 28.000  | 8.000  | 3460               | 1470        | 28000 | 0.022    |
| 16101       | 12.000           | 30.000  | 8.000  | 3800               | 1770        | 27000 | 0.023    |
| 16002       | 15.000           | 32.000  | 8.000  | 5040               | 2547        | 23400 | 0.025    |
| 16003       | 17.000           | 35.000  | 8.000  | 6120               | 3015        | 21600 | 0.032    |
| 16004       | 20.000           | 42.000  | 8.000  | 7110               | 4050        | 18900 | 0.051    |
| 16005       | 25.000           | 47.000  | 8.000  | 7515               | 4590        | 16200 | 0.060    |
| 16006       | 30.000           | 55.000  | 9.000  | 10080              | 6615        | 13500 | 0.091    |
| 16007       | 35.000           | 62.000  | 9.000  | 10530              | 7380        | 12600 | 0.110    |
| 16008       | 40.000           | 68.000  | 9.000  | 11340              | 8685        | 10800 | 0.125    |
| 16009       | 45.000           | 75.000  | 10.000 | 11610              | 9450        | 9900  | 0.171    |
| 16010       | 50.000           | 80.000  | 10.000 | 11880              | 10170       | 8620  | 0.180    |
| 16011       | 55.000           | 90.000  | 11.000 | 16740              | 13770       | 8100  | 0.258    |
| 16012       | 60.000           | 95.000  | 11.000 | 18000              | 15750       | 7470  | 0.283    |
| 16013       | 65.000           | 100.000 | 11.000 | 18450              | 16830       | 6930  | 0.307    |
| 16014       | 70.000           | 110.000 | 13.000 | 21960              | 20340       | 6390  | 0.441    |
| 16015       | 75.000           | 115.000 | 13.000 | 22500              | 21600       | 6030  | 0.464    |
| 16016       | 80.000           | 125.000 | 14.000 | 22860              | 22590       | 5580  | 0.597    |
| 16017       | 85.000           | 130.000 | 14.000 | 23310              | 23580       | 5310  | 0.626    |
| 16018       | 90.000           | 140.000 | 16.000 | 30150              | 30150       | 5040  | 0.848    |
| 16019       | 95.000           | 145.000 | 16.000 | 31050              | 31500       | 4770  | 0.885    |
| 16020       | 100.000          | 150.000 | 16.000 | 31500              | 32850       | 4500  | 0.910    |
| 16021       | 105.000          | 160.000 | 18.000 | 46800              | 45450       | 4230  | 1.200    |
| 16022       | 110.000          | 170.000 | 19.000 | 51750              | 50850       | 4050  | 1.460    |
| 16024       | 120.000          | 180.000 | 19.000 | 56700              | 57150       | 3690  | 1.560    |
| 16026       | 130.000          | 200.000 | 22.000 | 72000              | 71550       | 3420  | 2.310    |
| 16028       | 140.000          | 210.000 | 22.000 | 73800              | 76500       | 3150  | 2.450    |
| 16030       | 150.000          | 225.000 | 24.000 | 86850              | 90900       | 2880  | 3.070    |

KG®



## \*Note:

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.



**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row

Series : **6000**

077

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|----------|
|             |                  |         |        | N                  |        |       |          |
|             | d                | D       | B      | Dynamic            | Static |       |          |
| 6000        | 10.000           | 26.000  | 8.000  | 4095               | 1764   | 30600 | 0.019    |
| 6001        | 12.000           | 28.000  | 8.000  | 4590               | 2151   | 27000 | 0.021    |
| 6002        | 15.000           | 32.000  | 9.000  | 5040               | 2556   | 23400 | 0.030    |
| 6003        | 17.000           | 35.000  | 10.000 | 6120               | 3015   | 21600 | 0.039    |
| 6004        | 20.000           | 42.000  | 12.000 | 8460               | 4545   | 18900 | 0.069    |
| 6005        | 25.000           | 47.000  | 12.000 | 9090               | 5265   | 16200 | 0.080    |
| 6006        | 30.000           | 55.000  | 13.000 | 11880              | 7470   | 13500 | 0.116    |
| 6007        | 35.000           | 62.000  | 14.000 | 14400              | 9270   | 12600 | 0.155    |
| 6008        | 40.000           | 68.000  | 15.000 | 15120              | 10350  | 10800 | 0.190    |
| 6009        | 45.000           | 75.000  | 16.000 | 18900              | 13590  | 9900  | 0.237    |
| 6010        | 50.000           | 80.000  | 16.000 | 19620              | 14940  | 8820  | 0.261    |
| 6011        | 55.000           | 90.000  | 18.000 | 25470              | 19080  | 8100  | 0.388    |
| 6012        | 60.000           | 95.000  | 18.000 | 26550              | 20880  | 7470  | 0.414    |
| 6013        | 65.000           | 100.000 | 18.000 | 27450              | 22680  | 6930  | 0.421    |
| 6014        | 70.000           | 110.000 | 20.000 | 34200              | 27900  | 6390  | 0.604    |
| 6015        | 75.000           | 115.000 | 20.000 | 35550              | 30150  | 6030  | 0.649    |
| 6016        | 80.000           | 125.000 | 22.000 | 42750              | 36000  | 5580  | 0.854    |
| 6017        | 85.000           | 130.000 | 22.000 | 44550              | 38700  | 5310  | 0.890    |
| 6018        | 90.000           | 140.000 | 24.000 | 52200              | 44550  | 5040  | 1.020    |
| 6019        | 95.000           | 145.000 | 24.000 | 54450              | 48600  | 4770  | 1.080    |
| 6020        | 100.000          | 150.000 | 24.000 | 54000              | 48600  | 4500  | 1.150    |
| 6021        | 105.000          | 160.000 | 26.000 | 65250              | 58950  | 4230  | 1.590    |
| 6022        | 110.000          | 170.000 | 28.000 | 73800              | 65700  | 4050  | 1.960    |
| 6024        | 120.000          | 180.000 | 28.000 | 76500              | 71550  | 3690  | 2.070    |
| 6026        | 130.000          | 200.000 | 33.000 | 95400              | 90900  | 3420  | 3.160    |
| 6028        | 140.000          | 210.000 | 33.000 | 99000              | 98100  | 3150  | 3.350    |
| 6030        | 150.000          | 225.000 | 35.000 | 113400             | 113400 | 2880  | 4.080    |
| 6032        | 160.000          | 240.000 | 38.000 | 128700             | 129600 | 2700  | 5.050    |
| 6034        | 170.000          | 260.000 | 42.000 | 151200             | 154800 | 2520  | 6.760    |
| 6036        | 180.000          | 280.000 | 46.000 | 170100             | 179100 | 2430  | 8.800    |
| 6038        | 190.000          | 290.000 | 46.000 | 177300             | 193500 | 2250  | 9.180    |
| 6040        | 200.000          | 310.000 | 51.000 | 196200             | 218700 | 2160  | 11.900   |

Deep Groove Ball Bearings

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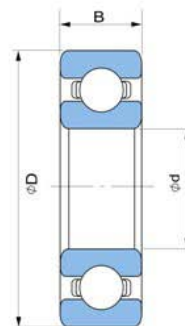
Deep Groove Ball Bearings

## Single Row

Series : 6200

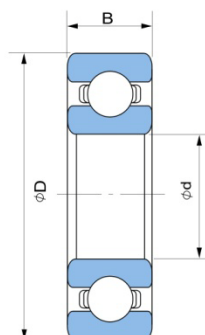
KG®

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|---------|
|             |                  |         |        | N                  |        |       |         |
|             | d                | D       | B      | Dynamic            | Static |       |         |
| 6200        | 10.000           | 30.000  | 9.000  | 4590               | 2151   | 27000 | 0.032   |
| 6201        | 12.000           | 32.000  | 10.000 | 5490               | 2475   | 23400 | 0.037   |
| 6202        | 15.000           | 35.000  | 11.000 | 6975               | 3240   | 20700 | 0.045   |
| 6203        | 17.000           | 40.000  | 12.000 | 8640               | 4140   | 18900 | 0.066   |
| 6204        | 20.000           | 47.000  | 14.000 | 11520              | 5985   | 16200 | 0.106   |
| 6205        | 25.000           | 52.000  | 15.000 | 12600              | 7065   | 13500 | 0.128   |
| 6206        | 30.000           | 62.000  | 16.000 | 17550              | 10170  | 11700 | 0.199   |
| 6207        | 35.000           | 72.000  | 17.000 | 23130              | 13770  | 9900  | 0.288   |
| 6208        | 40.000           | 80.000  | 18.000 | 26190              | 16020  | 9000  | 0.366   |
| 6209        | 45.000           | 85.000  | 19.000 | 29250              | 18360  | 8280  | 0.398   |
| 6210        | 50.000           | 90.000  | 20.000 | 31500              | 20880  | 7470  | 0.454   |
| 6211        | 55.000           | 100.000 | 21.000 | 39150              | 26280  | 6840  | 0.601   |
| 6212        | 60.000           | 110.000 | 22.000 | 47250              | 32400  | 6300  | 0.783   |
| 6213        | 65.000           | 120.000 | 23.000 | 51750              | 36000  | 5850  | 0.990   |
| 6214        | 70.000           | 125.000 | 24.000 | 55800              | 39600  | 5400  | 1.070   |
| 6215        | 75.000           | 130.000 | 25.000 | 59400              | 44550  | 5040  | 1.180   |
| 6216        | 80.000           | 140.000 | 26.000 | 65250              | 47700  | 4770  | 1.400   |
| 6217        | 85.000           | 150.000 | 28.000 | 75150              | 57600  | 4500  | 1.790   |
| 6218        | 90.000           | 160.000 | 30.000 | 86400              | 64350  | 4230  | 2.150   |
| 6219        | 95.000           | 170.000 | 32.000 | 98100              | 73800  | 3960  | 2.620   |
| 6220        | 100.000          | 180.000 | 34.000 | 109800             | 83700  | 3780  | 3.140   |
| 6221        | 105.000          | 190.000 | 36.000 | 119700             | 94500  | 3600  | 3.700   |
| 6222        | 110.000          | 200.000 | 38.000 | 129600             | 105300 | 3420  | 4.360   |
| 6224        | 120.000          | 215.000 | 40.000 | 139500             | 117900 | 3060  | 5.150   |
| 6226        | 130.000          | 230.000 | 40.000 | 150300             | 131400 | 2790  | 5.820   |
| 6228        | 140.000          | 250.000 | 42.000 | 149400             | 135000 | 2610  | 7.570   |
| 6230        | 150.000          | 270.000 | 45.000 | 158400             | 151200 | 2430  | 9.410   |
| 6232        | 160.000          | 290.000 | 48.000 | 166500             | 167400 | 2250  | 11.700  |
| 6234        | 170.000          | 310.000 | 52.000 | 190800             | 200700 | 2160  | 14.500  |
| 6236        | 180.000          | 320.000 | 52.000 | 204300             | 216900 | 1980  | 15.100  |
| 6238        | 190.000          | 340.000 | 55.000 | 229500             | 252900 | 1890  | 18.200  |
| 6240        | 200.000          | 360.000 | 58.000 | 242100             | 279000 | 1800  | 21.600  |



## \*Note:

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.



**\*Note:**

- Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row

Series : **6300**

079

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|----------|
|             |                  |         |        | N                  |        |       |          |
|             | d                | D       | B      | Dynamic            | Static |       |          |
| 6300        | 10.000           | 35.000  | 11.000 | 7380               | 3150   | 24300 | 0.053    |
| 6301        | 12.000           | 37.000  | 12.000 | 8730               | 3780   | 21600 | 0.060    |
| 6302        | 15.000           | 42.000  | 13.000 | 10260              | 4905   | 18900 | 0.082    |
| 6303        | 17.000           | 47.000  | 14.000 | 12150              | 5895   | 17100 | 0.115    |
| 6304        | 20.000           | 52.000  | 15.000 | 14310              | 7110   | 15300 | 0.144    |
| 6305        | 25.000           | 62.000  | 17.000 | 19080              | 9810   | 12600 | 0.232    |
| 6306        | 30.000           | 72.000  | 19.000 | 24030              | 13500  | 10800 | 0.360    |
| 6307        | 35.000           | 80.000  | 21.000 | 30150              | 17190  | 9000  | 0.457    |
| 6308        | 40.000           | 90.000  | 23.000 | 36450              | 21600  | 8280  | 0.630    |
| 6309        | 45.000           | 100.000 | 25.000 | 47700              | 28800  | 7380  | 0.814    |
| 6310        | 50.000           | 110.000 | 27.000 | 55800              | 34650  | 6750  | 1.070    |
| 6311        | 55.000           | 120.000 | 29.000 | 64350              | 40500  | 6120  | 1.370    |
| 6312        | 60.000           | 130.000 | 31.000 | 73800              | 46800  | 5670  | 1.730    |
| 6313        | 65.000           | 140.000 | 33.000 | 83250              | 54000  | 5220  | 2.080    |
| 6314        | 70.000           | 150.000 | 35.000 | 93600              | 61200  | 4860  | 2.520    |
| 6315        | 75.000           | 160.000 | 37.000 | 101700             | 69300  | 4500  | 3.020    |
| 6316        | 80.000           | 170.000 | 39.000 | 110700             | 77850  | 4230  | 3.590    |
| 6317        | 85.000           | 180.000 | 41.000 | 119700             | 87300  | 4050  | 4.230    |
| 6318        | 90.000           | 190.000 | 43.000 | 128700             | 96300  | 3780  | 4.910    |
| 6319        | 95.000           | 200.000 | 45.000 | 137700             | 107100 | 3510  | 5.670    |
| 6320        | 100.000          | 215.000 | 47.000 | 155700             | 126900 | 3330  | 7.000    |
| 6321        | 105.000          | 225.000 | 49.000 | 165600             | 137700 | 3240  | 8.050    |
| 6322        | 110.000          | 240.000 | 50.000 | 184500             | 161100 | 3060  | 9.540    |
| 6324        | 120.000          | 260.000 | 55.000 | 186300             | 166500 | 2790  | 12.400   |
| 6326        | 130.000          | 280.000 | 58.000 | 206100             | 192600 | 2520  | 15.300   |
| 6328        | 140.000          | 300.000 | 62.000 | 227700             | 221400 | 2340  | 18.500   |
| 6330        | 150.000          | 320.000 | 65.000 | 246600             | 255600 | 2160  | 22.000   |
| 6332        | 160.000          | 340.000 | 68.000 | 250200             | 257400 | 2070  | 26.000   |
| 6334        | 170.000          | 360.000 | 72.000 | 292500             | 319500 | 1890  | 30.700   |
| 6336        | 180.000          | 380.000 | 75.000 | 319500             | 364500 | 1800  | 35.600   |
| 6338        | 190.000          | 400.000 | 78.000 | 319500             | 373500 | 1710  | 41.000   |
| 6340        | 200.000          | 420.000 | 80.000 | 369000             | 450000 | 1620  | 46.300   |

Deep Groove Ball Bearings

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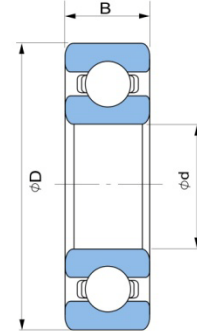
## Single Row Heavy Duty Type Series : 6400

DG

Deep Groove Ball Bearings

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|----------|
|             | d                | D       | B      | N                  |        |       |          |
|             |                  |         |        | Dynamic            | Static |       |          |
| 6403        | 17.000           | 62.000  | 17.000 | 20610              | 9720   | 13500 | 0.270    |
| 6404        | 20.000           | 72.000  | 19.000 | 27630              | 13500  | 11700 | 0.400    |
| 6405        | 25.000           | 80.000  | 21.000 | 32220              | 17370  | 9900  | 0.530    |
| 6406        | 30.000           | 90.000  | 23.000 | 39240              | 21240  | 9000  | 0.740    |
| 6407        | 35.000           | 100.000 | 25.000 | 49770              | 27900  | 7650  | 0.950    |
| 6408        | 40.000           | 110.000 | 27.000 | 57330              | 32850  | 7200  | 1.250    |
| 6409        | 45.000           | 120.000 | 29.000 | 68490              | 40500  | 6300  | 1.550    |
| 6410        | 50.000           | 130.000 | 31.000 | 78390              | 46800  | 5670  | 1.900    |
| 6411        | 55.000           | 140.000 | 33.000 | 89550              | 55800  | 5400  | 2.300    |
| 6412        | 60.000           | 150.000 | 35.000 | 97200              | 62550  | 5040  | 2.750    |
| 6413        | 65.000           | 160.000 | 37.000 | 107100             | 70200  | 4770  | 3.300    |
| 6414        | 70.000           | 180.000 | 42.000 | 128700             | 93600  | 4050  | 4.850    |
| 6415        | 75.000           | 190.000 | 45.000 | 137700             | 102600 | 3870  | 6.800    |
| 6416        | 80.000           | 200.000 | 48.000 | 146700             | 112500 | 3600  | 8.000    |
| 6417        | 85.000           | 210.000 | 52.000 | 156600             | 123300 | 3420  | 9.500    |
| 6418        | 90.000           | 225.000 | 54.000 | 167400             | 135000 | 3240  | 11.500   |

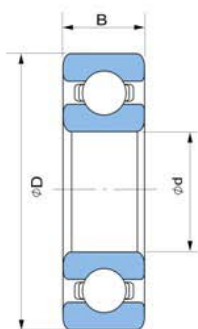
KG®



## \*Note:

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.





**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row Series : 62200

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|----------|
|             | d                | D       | B      | N                  |        |       |          |
|             |                  |         |        | Dynamic            | Static |       |          |
| 62200       | 10.000           | 30.000  | 14.000 | 5100               | 2390   | 30000 | 0.044    |
| 62201       | 12.000           | 32.000  | 14.000 | 6100               | 2750   | 26000 | 0.053    |
| 62202       | 15.000           | 35.000  | 14.000 | 7750               | 3600   | 23000 | 0.065    |
| 62203       | 17.000           | 40.000  | 16.000 | 9600               | 4600   | 21000 | 0.096    |
| 62204       | 20.000           | 47.000  | 18.000 | 12800              | 6650   | 18000 | 0.150    |
| 62205       | 25.000           | 52.000  | 18.000 | 14000              | 7850   | 15000 | 0.178    |
| 62206       | 30.000           | 62.000  | 20.000 | 19500              | 11300  | 13000 | 0.215    |
| 62207       | 35.000           | 72.000  | 23.000 | 25700              | 15300  | 11000 | 0.310    |
| 62208       | 40.000           | 80.000  | 23.000 | 29100              | 17800  | 10000 | 0.406    |
| 62209       | 45.000           | 85.000  | 23.000 | 32500              | 20400  | 9200  | 0.455    |
| 62210       | 50.000           | 90.000  | 23.000 | 35000              | 23200  | 8300  | 0.496    |
| 62211       | 55.000           | 100.000 | 25.000 | 43500              | 29200  | 7600  | 0.810    |
| 62212       | 60.000           | 110.000 | 28.000 | 52500              | 36000  | 7000  | 1.030    |
| 62214       | 70.000           | 125.000 | 31.000 | 62000              | 44000  | 6000  | 1.392    |

081

Deep Groove Ball Bearings

DG



082

DG

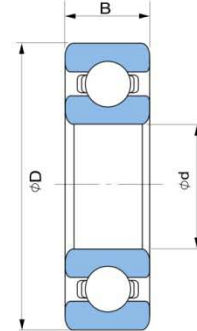
Deep Groove Ball Bearings

## Single Row

Series : 62300

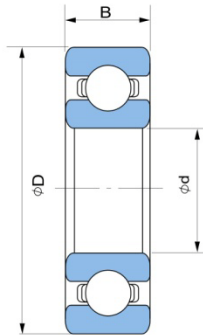
KG®

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|----------|
|             | d                | D       | B      | N                  |        |       |          |
|             |                  |         |        | Dynamic            | Static |       |          |
| 62300       | 10.000           | 35.000  | 17.000 | 8200               | 3500   | 27000 | 0.073    |
| 62301       | 12.000           | 37.000  | 17.000 | 9700               | 4200   | 24000 | 0.814    |
| 62302       | 15.000           | 42.000  | 17.000 | 11400              | 5450   | 21000 | 0.105    |
| 62303       | 17.000           | 47.000  | 19.000 | 13500              | 6550   | 19000 | 0.146    |
| 62304       | 20.000           | 52.000  | 21.000 | 15900              | 7900   | 17000 | 0.195    |
| 62305       | 25.000           | 62.000  | 24.000 | 21200              | 10900  | 14000 | 0.306    |
| 62306       | 30.000           | 72.000  | 27.000 | 26700              | 15000  | 12000 | 0.478    |
| 62307       | 35.000           | 80.000  | 31.000 | 33500              | 19100  | 10000 | 0.647    |
| 62308       | 40.000           | 90.000  | 33.000 | 40500              | 24000  | 9200  | 0.885    |
| 62309       | 45.000           | 100.000 | 36.000 | 53000              | 32000  | 8200  | 1.156    |
| 62310       | 50.000           | 110.000 | 40.000 | 62000              | 38500  | 7500  | 1.498    |
| 62311       | 55.000           | 120.000 | 43.000 | 71500              | 45000  | 6800  | 1.918    |
| 62312       | 60.000           | 130.000 | 46.000 | 82000              | 52000  | 6300  | 2.422    |
| 62314       | 70.000           | 150.000 | 51.000 | 104000             | 68000  | 5400  | 3.630    |



## \*Note:

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.



**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row Series : 63000

| Bearing No. | Dimensions in mm |        |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|--------|--------|--------------------|--------|-------|----------|
|             |                  |        |        | N                  |        |       |          |
|             | d                | D      | B      | Dynamic            | Static |       |          |
| 63001       | 12.000           | 28.000 | 12.000 | 5100               | 2390   | 30000 | 0.031    |
| 63002       | 15.000           | 32.000 | 13.000 | 5600               | 2840   | 26000 | 0.043    |
| 63003       | 17.000           | 35.000 | 14.000 | 6800               | 3350   | 24000 | 0.056    |
| 63004       | 20.000           | 42.000 | 16.000 | 9400               | 5050   | 21000 | 0.098    |
| 63005       | 25.000           | 47.000 | 16.000 | 10100              | 5850   | 18000 | 0.114    |
| 63006       | 30.000           | 55.000 | 19.000 | 13200              | 8300   | 15000 | 0.162    |
| 63007       | 35.000           | 62.000 | 20.000 | 16000              | 10300  | 14000 | 0.214    |
| 63008       | 40.000           | 68.000 | 21.000 | 16800              | 11500  | 12000 | 0.265    |

083

DG

Deep Groove Ball Bearings

084

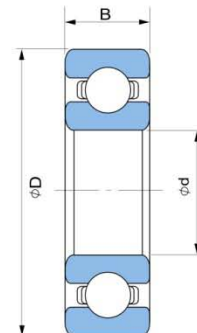
DG

Deep Groove Ball Bearings

## Single Row

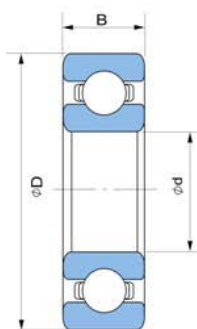
Series : **RLS****KG**

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|----------|
|             |                  |         |        | N                  |        |          |
|             | d                | D       | B      | Dynamic            | Static |          |
| RLS4        | 12.700           | 33.338  | 9.525  | 4903               | 2196   | 0.041    |
| RLS5        | 15.875           | 39.688  | 11.112 | 7649               | 3844   | 0.068    |
| RLS6        | 19.050           | 47.625  | 14.288 | 10277              | 5334   | 0.113    |
| RLS7        | 22.225           | 50.800  | 14.288 | 11140              | 6158   | 0.122    |
| RLS8        | 25.400           | 57.150  | 15.875 | 14278              | 7727   | 0.177    |
|             |                  |         |        |                    |        |          |
| RLS9        | 28.575           | 63.500  | 15.875 | 15533              | 9022   | 0.227    |
| RLS10       | 31.750           | 69.850  | 17.462 | 15612              | 9335   | 0.300    |
| RLS11       | 34.925           | 76.200  | 17.462 | 16710              | 10669  | 0.350    |
| RLS12       | 38.100           | 82.550  | 19.050 | 23300              | 14278  | 0.450    |
| RLS13       | 41.275           | 88.900  | 19.050 | 26124              | 16239  | 0.520    |
| RLS14       | 44.450           | 95.250  | 20.638 | 28086              | 18593  | 0.660    |
|             |                  |         |        |                    |        |          |
| RLS15       | 47.625           | 101.600 | 20.638 | 31302              | 21182  | 0.740    |
| RLS16       | 50.800           | 101.600 | 20.638 | 31302              | 21182  | 0.700    |
| RLS18       | 57.150           | 114.300 | 22.225 | 41972              | 28949  | 0.970    |
| RLS20       | 63.500           | 127.000 | 23.812 | 49739              | 35225  | 1.250    |
| RLS22       | 69.850           | 133.350 | 23.812 | 53975              | 38598  | 1.360    |
| RLS24       | 76.200           | 146.050 | 26.988 | 58133              | 42364  | 1.850    |
|             |                  |         |        |                    |        |          |
| RLS26       | 82.550           | 152.400 | 26.988 | 67155              | 49503  | 1.940    |
| RLS28       | 88.900           | 165.100 | 28.575 | 76805              | 57270  | 2.370    |
| RLS30       | 95.250           | 171.450 | 28.575 | 87083              | 65508  | 2.500    |
| RLS32       | 101.600          | 184.150 | 31.750 | 98066              | 74452  | 3.360    |
| RLS34       | 107.950          | 190.500 | 31.750 | 85513              | 72333  | 4.180    |
| RLS36       | 114.300          | 203.200 | 33.338 | 103558             | 84729  | 4.950    |
| RLS38       | 120.650          | 209.550 | 33.338 | 102773             | 85513  | 5.180    |
|             |                  |         |        |                    |        |          |
| RLS40       | 127.000          | 228.600 | 34.925 | 108265             | 94928  | 6.800    |
| RLS44       | 139.700          | 241.300 | 34.925 | 112972             | 104342 | 7.300    |
| RLS48       | 152.400          | 266.700 | 39.688 | 138077             | 133370 | 10.300   |
| RLS52       | 165.100          | 279.400 | 39.688 | 137293             | 135724 | 10.900   |
| RLS56       | 177.800          | 304.800 | 44.450 | 158475             | 164751 | 14.800   |
| RLS60       | 190.500          | 317.500 | 44.450 | 165536             | 180442 | 15.600   |



## \*Note:

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.



**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row

Series : **RMS**

**085**

DG

Deep Groove Ball Bearings

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|----------|
|             | d                | D       | B      | Dynamic N          | Static |          |
| RMS4        | 12.700           | 41.275  | 15.875 | 7570               | 3530   | 0.104    |
| RMS5        | 15.875           | 46.038  | 15.875 | 9257               | 4432   | 0.122    |
| RMS6        | 19.050           | 50.800  | 17.462 | 11061              | 5452   | 0.163    |
| RMS7        | 22.225           | 57.150  | 17.462 | 14827              | 7492   | 0.204    |
| RMS8        | 25.400           | 63.500  | 19.050 | 16475              | 9022   | 0.258    |
| RMS9        | 28.575           | 71.438  | 20.638 | 21339              | 12003  | 0.390    |
| RMS10       | 31.750           | 79.375  | 22.225 | 24006              | 13729  | 0.470    |
| RMS11       | 34.925           | 88.900  | 22.225 | 29576              | 17259  | 0.610    |
| RMS12       | 38.100           | 95.250  | 23.812 | 35774              | 21260  | 0.770    |
| RMS13       | 41.275           | 101.600 | 23.812 | 39069              | 23614  | 0.900    |
| RMS14       | 44.450           | 107.950 | 26.988 | 45973              | 281670 | 1.040    |
| RMS15       | 47.625           | 114.300 | 26.988 | 49582              | 30596  | 1.220    |
| RMS16       | 50.800           | 114.300 | 26.988 | 49582              | 30596  | 1.220    |
| RMS18       | 57.150           | 127.000 | 31.750 | 57506              | 36480  | 1.720    |
| RMS22       | 69.850           | 158.750 | 34.925 | 83160              | 54603  | 2.980    |
| RMS24       | 76.200           | 177.800 | 39.688 | 98066              | 69352  | 4.080    |
| RMS26       | 82.550           | 190.500 | 39.688 | 105911             | 77433  | 4.260    |
| RMS27       | 85.725           | 190.500 | 39.688 | 113757             | 85513  | 4.880    |
| RMS28       | 88.900           | 206.375 | 44.450 | 122386             | 94928  | 6.650    |
| RMS30       | 95.250           | 209.550 | 44.450 | 122386             | 94928  | 6.700    |
| RMS32       | 101.600          | 215.900 | 44.450 | 138862             | 112972 | 8.100    |
| RMS34       | 107.950          | 222.250 | 44.450 | 133370             | 111403 | 8.850    |
| RMS36       | 114.300          | 238.125 | 50.800 | 148276             | 126309 | 11.500   |
| RMS38       | 120.650          | 254.000 | 50.800 | 160829             | 145922 | 13.300   |
| RMS40       | 127.000          | 254.000 | 50.800 | 160829             | 145922 | 12.900   |
| RMS44       | 139.700          | 279.400 | 50.800 | 172597             | 167105 | 15.600   |
| RMS48       | 152.400          | 304.800 | 57.150 | 189856             | 189072 | 20.900   |

086

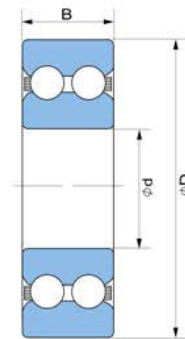
DG

Deep Groove Ball Bearings

## Double Row Series : 4200

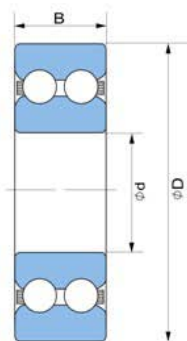
| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |             | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|-------------|-------|----------|
|             | d                | D       | B      | Dynamic<br>N       | Static<br>N |       |          |
| 4200        | 10.000           | 30.000  | 14.000 | 8370               | 4680        | 19800 | 0.049    |
| 4201        | 12.000           | 32.000  | 14.000 | 9540               | 5580        | 18000 | 0.053    |
| 4202        | 15.000           | 35.000  | 14.000 | 10710              | 6750        | 15300 | 0.059    |
| 4203        | 17.000           | 40.000  | 16.000 | 13320              | 8550        | 13500 | 0.090    |
| 4204        | 20.000           | 47.000  | 18.000 | 16020              | 11250       | 11700 | 0.140    |
| 4205        | 25.000           | 52.000  | 18.000 | 17100              | 13140       | 9900  | 0.160    |
| 4206        | 30.000           | 62.000  | 20.000 | 23400              | 18720       | 8550  | 0.260    |
| 4207        | 35.000           | 72.000  | 23.000 | 31590              | 25650       | 7200  | 0.400    |
| 4208        | 40.000           | 80.000  | 23.000 | 33390              | 29250       | 6300  | 0.500    |
| 4209        | 45.000           | 85.000  | 23.000 | 35100              | 32400       | 6030  | 0.540    |
| 4210        | 50.000           | 90.000  | 23.000 | 36900              | 36000       | 5400  | 0.580    |
| 4211        | 55.000           | 100.000 | 25.000 | 40410              | 39600       | 5040  | 0.800    |
| 4212        | 60.000           | 110.000 | 28.000 | 51480              | 49500       | 4770  | 1.100    |
| 4213        | 65.000           | 120.000 | 31.000 | 60840              | 60300       | 4320  | 1.450    |
| 4214        | 70.000           | 125.000 | 31.000 | 63180              | 66150       | 3870  | 1.500    |
| 4215        | 75.000           | 130.000 | 31.000 | 65520              | 72000       | 3600  | 1.600    |
| 4216        | 80.000           | 140.000 | 33.000 | 72540              | 81000       | 3420  | 2.000    |
| 4217        | 85.000           | 150.000 | 36.000 | 84240              | 91800       | 3240  | 2.550    |
| 4218        | 90.000           | 160.000 | 40.000 | 100800             | 109800      | 3060  | 3.200    |
| 4220        | 95.000           | 145.000 | 18.000 | 126000             | 140400      | 2700  | 4.700    |

KG®



## \*Note:

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.



**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Double Row Series : 4300

| Bearing No. | Dimensions in mm |         |        | Basic Load Ratings |        | RPM*  | Wt. (Kg) |
|-------------|------------------|---------|--------|--------------------|--------|-------|----------|
|             |                  |         |        | N                  |        |       |          |
|             | d                | D       | B      | Dynamic            | Static |       |          |
| 4301        | 12.000           | 37.000  | 17.000 | 11700              | 7020   | 16200 | 0.092    |
| 4302        | 15.000           | 42.000  | 17.000 | 13320              | 8550   | 13500 | 0.120    |
| 4303        | 17.000           | 47.000  | 19.000 | 17550              | 11880  | 11700 | 0.160    |
| 4304        | 20.000           | 52.000  | 21.000 | 21060              | 14400  | 10800 | 0.210    |
| 4305        | 25.000           | 62.000  | 24.000 | 28710              | 20160  | 9000  | 0.340    |
| 4306        | 30.000           | 72.000  | 27.000 | 36900              | 27000  | 7650  | 0.500    |
| 4307        | 35.000           | 80.000  | 31.000 | 45630              | 34200  | 6750  | 0.690    |
| 4308        | 40.000           | 90.000  | 33.000 | 50310              | 40500  | 6030  | 0.950    |
| 4309        | 45.000           | 100.000 | 36.000 | 62010              | 50400  | 5400  | 1.250    |
| 4310        | 50.000           | 110.000 | 40.000 | 73710              | 62550  | 4770  | 1.700    |
| 4311        | 55.000           | 120.000 | 43.000 | 87750              | 74700  | 4500  | 2.150    |
| 4312        | 60.000           | 130.000 | 46.000 | 100800             | 88200  | 4050  | 2.650    |
| 4313        | 65.000           | 140.000 | 48.000 | 108900             | 95400  | 3870  | 3.250    |
| 4314        | 70.000           | 150.000 | 51.000 | 124200             | 112500 | 3420  | 3.950    |
| 4315        | 75.000           | 160.000 | 55.000 | 140400             | 128700 | 3240  | 4.800    |

087

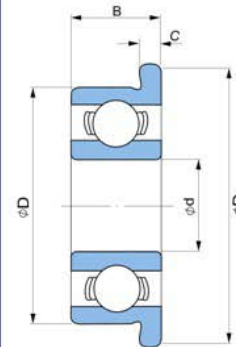
Deep Groove Ball Bearings

DG

## Single Row Flange Type

| Bearing No. | Dimensions in mm |        |                |       |       | Basic Load Ratings |        | RPM*   | Wt (gms) |
|-------------|------------------|--------|----------------|-------|-------|--------------------|--------|--------|----------|
|             |                  |        |                |       |       | N                  |        |        |          |
|             | d                | D      | D <sub>1</sub> | B     | C     | Dynamic            | Static |        |          |
| F015M04     | 1.500            | 4.000  | 5.000          | 1.200 | 0.400 | 101                | 30     | 108000 | 0.120    |
| F015M05     | 1.500            | 5.000  | 6.500          | 2.000 | 0.600 | 216                | 62     | 90000  | 0.260    |
| F015M06     | 1.500            | 6.000  | 7.500          | 2.500 | 0.600 | 297                | 89     | 81000  | 0.420    |
| F682        | 2.000            | 5.000  | 6.100          | 1.500 | 0.500 | 169                | 53     | 90000  | 0.190    |
| F2M05       | 2.000            | 5.000  | 6.200          | 2.000 | 0.600 | 169                | 53     | 90000  | 0.210    |
| F692        | 2.000            | 6.000  | 7.500          | 2.300 | 0.600 | 297                | 89     | 81000  | 0.350    |
| F2M06       | 2.000            | 6.000  | 7.200          | 2.500 | 0.600 | 297                | 89     | 81000  | 0.360    |
| F2M07       | 2.000            | 7.000  | 8.200          | 2.500 | 0.600 | 346                | 115    | 67500  | 0.490    |
| F602        | 2.000            | 7.000  | 9.500          | 2.800 | 0.700 | 346                | 115    | 67500  | 0.600    |
| F68/2.5     | 2.500            | 6.000  | 7.100          | 1.800 | 0.500 | 188                | 66     | 72000  | 0.250    |
| F69/2.5     | 2.500            | 7.000  | 8.500          | 2.500 | 0.700 | 346                | 115    | 67500  | 0.500    |
| F025M08     | 2.500            | 8.000  | 9.200          | 2.500 | 0.600 | 504                | 161    | 60300  | 0.680    |
| F60/2.5     | 2.500            | 9.000  | 9.500          | 2.800 | 0.700 | 495                | 157    | 60300  | 0.710    |
| F3M06       | 3.000            | 6.000  | 7.200          | 2.000 | 0.600 | 188                | 66     | 72000  | 0.260    |
| F683        | 3.000            | 7.000  | 8.100          | 2.000 | 0.500 | 346                | 116    | 65700  | 0.380    |
| F3M08       | 3.000            | 8.000  | 9.200          | 2.500 | 0.600 | 504                | 161    | 60300  | 0.560    |
| F693        | 3.000            | 8.000  | 9.500          | 3.000 | 0.700 | 504                | 161    | 60300  | 0.710    |
| F3M09       | 3.000            | 9.000  | 10.200         | 2.500 | 0.600 | 576                | 203    | 59400  | 0.840    |
| F603        | 3.000            | 9.000  | 10.500         | 3.000 | 0.700 | 576                | 203    | 58500  | 0.930    |
| F623        | 3.000            | 10.000 | 11.500         | 4.000 | 1.000 | 553                | 203    | 49500  | 1.650    |
| F4M07       | 4.000            | 7.000  | 8.200          | 2.000 | 0.600 | 283                | 103    | 61200  | 0.300    |
| F4M08       | 4.000            | 8.000  | 9.200          | 2.000 | 0.600 | 355                | 126    | 60300  | 0.470    |
| F684        | 4.000            | 9.000  | 10.300         | 2.500 | 0.600 | 576                | 203    | 54900  | 0.740    |
| F4M10       | 4.000            | 10.000 | 11.200         | 3.000 | 0.600 | 585                | 212    | 49500  | 1.000    |
| F694        | 4.000            | 11.000 | 12.500         | 4.000 | 1.000 | 643                | 255    | 47700  | 1.800    |
| F604        | 4.000            | 12.000 | 13.500         | 4.000 | 1.000 | 873                | 324    | 42300  | 3.100    |
| F624        | 4.000            | 13.000 | 15.000         | 5.000 | 1.000 | 1170               | 436    | 40500  | 4.100    |

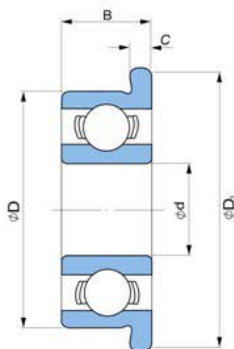
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**\*Note:**

- Mentioned speed ratings are with oil lubrication. For grease lubrication, please use 75% of the indicated values.





**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row Flange Type

| Bearing No. | Dimensions in mm |        |                |       |       | Basic Load Ratings |        | RPM*  | Wt (gms) |
|-------------|------------------|--------|----------------|-------|-------|--------------------|--------|-------|----------|
|             |                  |        |                |       |       | N                  |        |       |          |
|             | d                | D      | D <sub>1</sub> | B     | C     | Dynamic            | Static |       |          |
| F5M08       | 5.000            | 8.000  | 9.200          | 2.000 | 0.600 | 250                | 118    | 56700 | 0.330    |
| F5M09       | 5.000            | 9.000  | 10.200         | 2.500 | 0.600 | 391                | 151    | 54000 | 0.600    |
| F5M10       | 5.000            | 10.000 | 11.200         | 3.000 | 0.600 | 391                | 151    | 52200 | 1.000    |
| F685        | 5.000            | 11.000 | 12.500         | 3.000 | 0.800 | 643                | 255    | 46800 | 1.300    |
| F695        | 5.000            | 13.000 | 15.000         | 4.000 | 1.000 | 972                | 387    | 45000 | 2.700    |
| F605        | 5.000            | 14.000 | 16.000         | 5.000 | 1.000 | 1197               | 454    | 40500 | 4.200    |
| F625        | 5.000            | 16.000 | 18.000         | 5.000 | 1.000 | 1557               | 603    | 38700 | 6.200    |
|             |                  |        |                |       |       |                    |        |       |          |
| F6M10       | 6.000            | 10.000 | 11.200         | 2.500 | 0.600 | 445                | 197    | 47700 | 0.650    |
| F6M12       | 6.000            | 12.000 | 13.200         | 3.000 | 0.600 | 643                | 263    | 45000 | 1.500    |
| F686        | 6.000            | 13.000 | 15.000         | 3.500 | 1.000 | 972                | 396    | 43200 | 2.200    |
| F696        | 6.000            | 15.000 | 17.000         | 5.000 | 1.200 | 1566               | 603    | 42300 | 4.200    |
| F606        | 6.000            | 17.000 | 19.000         | 6.000 | 1.200 | 2034               | 756    | 37800 | 6.200    |
| F626        | 6.000            | 19.000 | 22.000         | 6.000 | 1.500 | 2358               | 954    | 34200 | 8.700    |
|             |                  |        |                |       |       |                    |        |       |          |
| F7M11       | 7.000            | 11.000 | 12.200         | 2.500 | 0.600 | 409                | 181    | 45000 | 0.800    |
| F7M13       | 7.000            | 13.000 | 14.200         | 3.000 | 0.600 | 747                | 337    | 43200 | 1.600    |
| F687        | 7.000            | 14.000 | 16.000         | 3.500 | 1.000 | 1053               | 459    | 40500 | 2.500    |
| F697        | 7.000            | 17.000 | 19.000         | 5.000 | 1.200 | 1449               | 643    | 37800 | 5.300    |
| F607        | 7.000            | 19.000 | 22.000         | 6.000 | 1.500 | 2358               | 954    | 36000 | 8.400    |
|             |                  |        |                |       |       |                    |        |       |          |
| F8M12       | 8.000            | 12.000 | 13.200         | 2.500 | 0.600 | 481                | 244    | 43200 | 0.820    |
| F8M14       | 8.000            | 14.000 | 15.600         | 3.500 | 0.800 | 738                | 346    | 40500 | 2.100    |
| F688        | 8.000            | 16.000 | 18.000         | 4.000 | 1.000 | 1125               | 531    | 38700 | 3.400    |
| F698        | 8.000            | 19.000 | 22.000         | 6.000 | 1.500 | 2016               | 814    | 37800 | 8.200    |
| F608        | 8.000            | 22.000 | 25.000         | 7.000 | 1.500 | 2970               | 1224   | 34200 | 12.600   |
|             |                  |        |                |       |       |                    |        |       |          |
| F689        | 9.000            | 17.000 | 19.000         | 4.000 | 1.000 | 1557               | 729    | 36900 | 6.000    |
| F699        | 9.000            | 20.000 | 23.000         | 6.000 | 1.500 | 1908               | 886    | 36000 | 8.800    |

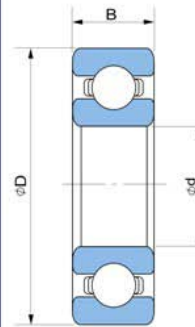
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Miniature and Extra Small Bearings

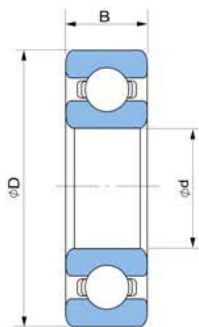
## Single Row

KG®

| Bearing No. | Dimensions in mm |       |       | Basic Load Ratings |        | RPM*   | Wt. (gms) |
|-------------|------------------|-------|-------|--------------------|--------|--------|-----------|
|             | d                | D     | B     | N                  |        |        |           |
|             |                  |       |       | Dynamic            | Static |        |           |
| 015M04      | 1.500            | 4.000 | 1.200 | 101                | 30     | 108000 | 0.100     |
| 015M05      | 1.500            | 5.000 | 2.000 | 216                | 62     | 90000  | 0.220     |
| 015M06      | 1.500            | 6.000 | 2.500 | 297                | 89     | 81000  | 0.350     |
| 682         | 2.000            | 5.000 | 1.500 | 169                | 53     | 90000  | 0.150     |
| 2M05        | 2.000            | 5.000 | 2.000 | 169                | 53     | 90000  | 0.170     |
| 692         | 2.000            | 6.000 | 2.300 | 297                | 89     | 81000  | 0.250     |
| 2M06        | 2.000            | 6.000 | 2.500 | 297                | 89     | 81000  | 0.300     |
| 2M07        | 2.000            | 7.000 | 2.500 | 346                | 115    | 67500  | 0.450     |
| 602         | 2.000            | 7.000 | 2.800 | 346                | 115    | 67500  | 0.500     |
| 68/2.5      | 2.500            | 6.000 | 1.800 | 188                | 66     | 72000  | 0.200     |
| 69/2.5      | 2.500            | 7.000 | 2.500 | 346                | 115    | 67500  | 0.400     |
| 025M08      | 2.500            | 8.000 | 2.500 | 504                | 161    | 60300  | 0.550     |
| 60/2.5      | 2.500            | 8.000 | 2.800 | 495                | 157    | 60300  | 0.600     |
| 3M06        | 3.000            | 6.000 | 2.000 | 188                | 66     | 72000  | 0.200     |
| 683         | 3.000            | 7.000 | 2.000 | 346                | 116    | 65700  | 0.320     |
| 3M08        | 3.000            | 8.000 | 2.500 | 504                | 161    | 60300  | 0.500     |
| 693         | 3.000            | 8.000 | 3.000 | 504                | 161    | 60300  | 0.600     |
| 634         | 3.000            | 9.000 | 2.500 | 576                | 203    | 59400  | 0.750     |
| 3M09        | 3.000            | 9.000 | 3.000 | 576                | 203    | 58500  | 0.800     |



**\*Note:**  
 • Mentioned speed ratings are with oil lubrication.  
 For grease lubrication, please use 75% of the indicated values.



**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row

| Bearing No. | Dimensions in mm |        |       | Basic Load Ratings |        | RPM*  | WL (gms) |
|-------------|------------------|--------|-------|--------------------|--------|-------|----------|
|             | d                | D      | B     | N                  |        |       |          |
|             |                  |        |       | Dynamic            | Static |       |          |
| 603         | 3.000            | 10.000 | 4.000 | 553                | 203    | 49500 | 1.400    |
| 623         | 3.000            | 13.000 | 5.000 | 1170               | 436    | 45000 | 3.000    |
| 633         | 4.000            | 7.000  | 2.000 | 283                | 103    | 61200 | 0.240    |
| 4M07        | 4.000            | 8.000  | 2.000 | 355                | 126    | 60300 | 0.400    |
| 4M08        | 4.000            | 9.000  | 2.500 | 576                | 203    | 54900 | 0.650    |
| 684         | 4.000            | 10.000 | 3.000 | 585                | 212    | 49500 | 0.900    |
| 4M10        | 4.000            | 11.000 | 4.000 | 643                | 255    | 47700 | 1.600    |
| 694         | 4.000            | 12.000 | 4.000 | 873                | 324    | 42300 | 2.800    |
| 604         | 4.000            | 13.000 | 5.000 | 1170               | 436    | 40500 | 3.800    |
| 624         | 4.000            | 16.000 | 5.000 | 1566               | 603    | 38700 | 5.000    |
| 5M08        | 5.000            | 8.000  | 2.000 | 250                | 118    | 56700 | 0.250    |
| 5M09        | 5.000            | 9.000  | 2.500 | 391                | 151    | 54000 | 0.550    |
| 5M10        | 5.000            | 10.000 | 3.000 | 391                | 151    | 52200 | 0.900    |
| 685         | 5.000            | 11.000 | 3.000 | 643                | 255    | 46800 | 1.200    |
| 695         | 5.000            | 13.000 | 4.000 | 972                | 387    | 45000 | 2.400    |
| 605         | 5.000            | 14.000 | 5.000 | 1197               | 454    | 40500 | 4.000    |
| 625         | 5.000            | 16.000 | 5.000 | 1557               | 603    | 38700 | 6.000    |
| 635         | 5.000            | 19.000 | 6.000 | 2358               | 954    | 34200 | 9.000    |

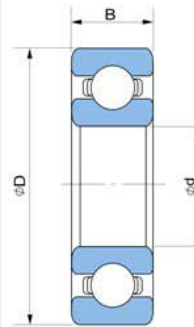
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Miniature and Extra Small Bearings

## Single Row

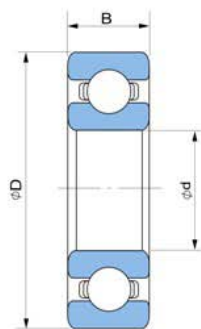
KG®

| Bearing No. | Dimensions in mm |        |        | Basic Load Ratings |        | RPM*  | WL (gms) |
|-------------|------------------|--------|--------|--------------------|--------|-------|----------|
|             | d                | D      | B      | Dynamic            | Static |       |          |
| 6M10        | 6.000            | 10.000 | 2.500  | 445                | 197    | 47700 | 0.550    |
| 6M12        | 6.000            | 12.000 | 3.000  | 643                | 263    | 45000 | 1.300    |
| 686         | 6.000            | 13.000 | 3.500  | 972                | 396    | 43200 | 1.900    |
| 696         | 6.000            | 15.000 | 5.000  | 1566               | 603    | 42300 | 3.900    |
| 606         | 6.000            | 17.000 | 6.000  | 2034               | 756    | 37800 | 6.000    |
| 626         | 6.000            | 19.000 | 6.000  | 2358               | 954    | 34200 | 8.000    |
| 636         | 6.000            | 22.000 | 7.000  | 2970               | 1224   | 30600 | 13.000   |
| 7M11        | 7.000            | 11.000 | 2.500  | 409                | 181    | 45000 | 0.700    |
| 7M13        | 7.000            | 13.000 | 3.000  | 747                | 337    | 43200 | 1.500    |
| 687         | 7.000            | 14.000 | 3.500  | 1053               | 459    | 40500 | 2.000    |
| 697         | 7.000            | 17.000 | 5.000  | 1449               | 643    | 37800 | 4.800    |
| 607         | 7.000            | 19.000 | 6.000  | 2358               | 954    | 36000 | 8.000    |
| 627         | 7.000            | 22.000 | 7.000  | 2970               | 1224   | 32400 | 12.000   |
| 637         | 7.000            | 26.000 | 9.000  | 3600               | 1422   | 27000 | 24.000   |
| 8M12        | 8.000            | 12.000 | 2.200  | 481                | 244    | 43200 | 0.700    |
| 8M14        | 8.000            | 14.000 | 3.500  | 738                | 346    | 40500 | 1.900    |
| 688         | 8.000            | 16.000 | 4.000  | 1125               | 531    | 38700 | 3.000    |
| 698         | 8.000            | 19.000 | 6.000  | 2016               | 814    | 37800 | 7.200    |
| 608         | 8.000            | 22.000 | 7.000  | 2970               | 1224   | 34200 | 12.000   |
| 628         | 8.000            | 24.000 | 8.000  | 3015               | 1269   | 30600 | 17.000   |
| 638         | 8.000            | 28.000 | 9.000  | 4095               | 1773   | 25200 | 27.000   |
| 689         | 9.000            | 17.000 | 4.000  | 1557               | 729    | 36900 | 5.800    |
| 699         | 9.000            | 20.000 | 6.000  | 1908               | 886    | 36000 | 7.700    |
| 609         | 9.000            | 24.000 | 7.000  | 3015               | 1269   | 32400 | 16.000   |
| 629         | 9.000            | 26.000 | 8.000  | 4095               | 1773   | 28800 | 20.000   |
| 639         | 9.000            | 30.000 | 10.000 | 4590               | 2151   | 23400 | 34.000   |



**\*Note:**

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**\*Note:**  
• Mentioned speed ratings are with oil lubrication.  
For grease lubrication, please use 75% of the indicated values.

## Single Row

| Bearing No. | Dimensions in mm |        |       | Basic Load Ratings |        | RPM*  | Wt. (gms) |
|-------------|------------------|--------|-------|--------------------|--------|-------|-----------|
|             |                  |        |       | N                  |        |       |           |
|             | d                | D      | B     | Dynamic            | Static |       |           |
| R1-4        | 1.984            | 6.350  | 2.380 | 251                | 80     | 71100 | 0.350     |
| R133        | 2.380            | 4.762  | 1.588 | 112                | 38     | 76500 | 0.120     |
| R1-5        | 2.380            | 7.938  | 2.779 | 387                | 137    | 59400 | 0.690     |
| R144        | 3.175            | 6.356  | 2.380 | 256                | 86     | 63000 | 0.270     |
| R2-5        | 3.175            | 7.938  | 2.779 | 504                | 162    | 56700 | 0.610     |
| R2-6        | 3.175            | 9.525  | 2.779 | 576                | 202    | 52200 | 0.880     |
| R2          | 3.175            | 9.525  | 3.967 | 576                | 202    | 52200 | 1.300     |
| R2A         | 3.175            | 12.700 | 4.366 | 1035               | 355    | 45900 | 2.500     |
| R155        | 3.967            | 7.938  | 2.779 | 301                | 120    | 54000 | 0.540     |
| R156        | 4.762            | 7.938  | 2.779 | 355                | 129    | 52200 | 0.440     |
| R166        | 4.762            | 9.525  | 3.175 | 639                | 241    | 49500 | 0.800     |
| R3          | 4.762            | 12.700 | 3.967 | 1179               | 441    | 43200 | 2.200     |
| R168        | 6.350            | 9.525  | 3.175 | 241                | 122    | 45900 | 0.600     |
| R188        | 6.350            | 12.700 | 3.175 | 747                | 333    | 41400 | 1.600     |
| R4          | 6.350            | 15.875 | 4.978 | 1332               | 553    | 38700 | 4.400     |
| R4A         | 6.350            | 19.050 | 5.566 | 2016               | 796    | 36000 | 7.000     |
| R1810       | 7.938            | 12.700 | 3.967 | 481                | 244    | 43200 | 1.700     |
| R6          | 9.525            | 22.225 | 5.566 | 3015               | 1269   | 34200 | 9.000     |

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Miniature and Extra Small Bearings