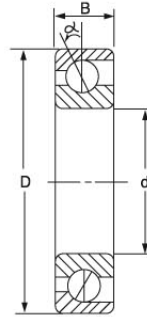
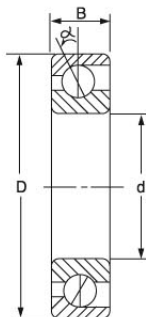


## 3.1 Single Row



| Dimension |     |    | Bearing Number |   | Load Rating |            | Limiting Speed |           | Mass Approx |
|-----------|-----|----|----------------|---|-------------|------------|----------------|-----------|-------------|
| d         | D   | B  |                |   | Dynamic Cr  | Static Cor | Grease (rpm)   | Oil (rpm) |             |
| mm        | mm  | mm |                |   | (N)         | (N)        | (rpm)          | (rpm)     | (kg)        |
| 10        | 30  | 9  | 7200           | B | 4000        | 2000       | 16000          | 22400     | 0.03        |
| 10        | 35  | 11 | 7300           | B | 7000        | 3240       | 14400          | 19200     | 0.05        |
| 12        | 32  | 10 | 7201           | B | 5960        | 3000       | 14400          | 20800     | 0.04        |
| 12        | 37  | 12 | 7301           | B | 7080        | 3360       | 12800          | 17600     | 0.06        |
| 15        | 35  | 11 | 7202           | B | 6360        | 3440       | 12800          | 17600     | 0.04        |
| 15        | 42  | 13 | 7302           | B | 10000       | 5280       | 11200          | 15200     | 0.09        |
| 17        | 40  | 12 | 7203           | B | 7960        | 4400       | 11200          | 15200     | 0.07        |
| 17        | 47  | 14 | 7303           | B | 11840       | 6400       | 10400          | 13600     | 0.12        |
| 20        | 42  | 12 | 7004           | B | 7480        | 4440       | 11200          | 15200     | 0.08        |
| 20        | 47  | 14 | 7204           | B | 10640       | 6120       | 9600           | 12800     | 0.11        |
| 20        | 52  | 15 | 7304           | B | 13840       | 7720       | 8800           | 12000     | 0.14        |
| 25        | 47  | 12 | 7005           | B | 8160        | 5360       | 9600           | 13600     | 0.09        |
| 25        | 52  | 15 | 7205           | B | 11840       | 7520       | 8000           | 11200     | 0.13        |
| 25        | 62  | 17 | 7305           | B | 19520       | 11680      | 7200           | 10400     | 0.24        |
| 30        | 55  | 13 | 7006           | B | 10480       | 7360       | 8800           | 11200     | 0.14        |
| 30        | 62  | 16 | 7206           | B | 16400       | 10800      | 6800           | 9600      | 0.20        |
| 30        | 72  | 19 | 7306           | B | 24800       | 15440      | 6400           | 8800      | 0.35        |
| 35        | 62  | 14 | 7007           | B | 12640       | 9120       | 7440           | 9600      | 0.17        |
| 35        | 72  | 17 | 7207           | B | 21680       | 14720      | 6000           | 8000      | 0.29        |
| 35        | 80  | 21 | 7307           | B | 29200       | 19360      | 5680           | 7600      | 0.47        |
| 40        | 68  | 15 | 7008           | B | 13440       | 10560      | 6640           | 8800      | 0.21        |
| 40        | 80  | 18 | 7208           | B | 25600       | 18400      | 5360           | 7200      | 0.38        |
| 40        | 90  | 23 | 7308           | B | 36000       | 24400      | 5040           | 6800      | 0.65        |
| 45        | 75  | 16 | 7009           | B | 16000       | 12800      | 6000           | 8000      | 0.27        |
| 45        | 85  | 19 | 7209           | B | 28800       | 20960      | 5040           | 6800      | 0.42        |
| 45        | 100 | 25 | 7309           | B | 46800       | 32000      | 4480           | 6000      | 0.87        |
| 50        | 80  | 16 | 7010           | B | 16960       | 14480      | 5520           | 7360      | 0.29        |
| 50        | 90  | 20 | 7210           | B | 30000       | 22880      | 4480           | 6400      | 0.48        |
| 50        | 110 | 27 | 7310           | B | 54400       | 38400      | 4000           | 5360      | 1.10        |
| 55        | 90  | 18 | 7011           | B | 22320       | 18960      | 4960           | 6640      | 0.39        |
| 55        | 120 | 29 | 7311           | B | 63200       | 45200      | 3600           | 5040      | 1.45        |
| 55        | 100 | 21 | 7211           | B | 37200       | 28800      | 4240           | 5680      | 0.63        |

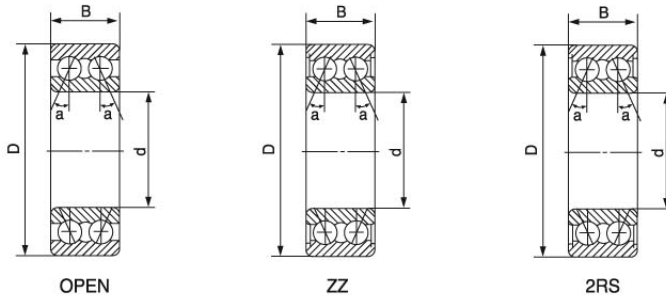
## 3.1 Single Row



| Dimension |     |    | Bearing Number |   | Load Rating   |               | Limiting Speed |       | Mass<br>Approx |
|-----------|-----|----|----------------|---|---------------|---------------|----------------|-------|----------------|
| d         | D   | B  |                |   | Dynamic<br>Cr | Static<br>Cor | Grease         | Oil   |                |
| mm        | mm  | mm |                |   | (N)           | (N)           | (rpm)          | (rpm) | (kg)           |
| 60        | 95  | 18 | 7012           | B | 22880         | 20240         | 4640           | 6160  | 0.42           |
| 60        | 130 | 31 | 7312           | B | 72000         | 52400         | 3440           | 4480  | 1.80           |
| 60        | 110 | 22 | 7212           | B | 44800         | 35600         | 3840           | 5040  | 0.82           |
| 65        | 100 | 18 | 7013           | B | 24080         | 22640         | 4320           | 5760  | 0.42           |
| 65        | 140 | 33 | 7313           | B | 81600         | 60400         | 3040           | 4240  | 2.15           |
| 65        | 120 | 23 | 7213           | B | 50800         | 42000         | 3440           | 4800  | 1.05           |
| 70        | 110 | 20 | 7014           | B | 30640         | 28400         | 4000           | 5280  | 0.66           |
| 70        | 150 | 35 | 7314           | B | 91200         | 68800         | 2880           | 4000  | 2.65           |
| 70        | 125 | 24 | 7214           | B | 55200         | 46400         | 3200           | 4480  | 1.10           |
| 75        | 115 | 20 | 7015           | B | 31280         | 30080         | 3760           | 5040  | 0.70           |
| 75        | 160 | 37 | 7315           | B | 100000        | 78000         | 2720           | 3840  | 3.20           |
| 75        | 130 | 25 | 7215           | B | 54800         | 46800         | 3040           | 4240  | 1.20           |
| 80        | 125 | 22 | 7016           | B | 38240         | 36560         | 3440           | 4640  | 0.88           |
| 80        | 170 | 39 | 7316           | B | 108000        | 87200         | 2560           | 3440  | 3.79           |
| 80        | 140 | 26 | 7216           | B | 64400         | 55600         | 2880           | 4000  | 1.45           |
| 85        | 130 | 22 | 7017           | B | 39040         | 38720         | 3280           | 4400  | 0.89           |
| 85        | 180 | 41 | 7317           | B | 116800        | 97600         | 2400           | 3200  | 4.42           |
| 85        | 150 | 28 | 7217           | B | 74400         | 64800         | 2720           | 3840  | 1.80           |
| 90        | 140 | 24 | 7018           | B | 46720         | 45680         | 3120           | 4080  | 1.19           |
| 90        | 190 | 43 | 7318           | B | 124800        | 108000        | 2240           | 3040  | 5.17           |
| 90        | 160 | 30 | 7218           | B | 85600         | 75200         | 2560           | 3440  | 2.25           |
| 95        | 145 | 24 | 7019           | B | 47680         | 48400         | 2880           | 3840  | 1.43           |
| 95        | 200 | 45 | 7319           | B | 133600        | 119200        | 2080           | 2880  | 5.98           |
| 95        | 170 | 32 | 7219           | B | 9280          | 80800         | 2400           | 3200  | 2.70           |
| 100       | 150 | 24 | 7020           | B | 48960         | 50880         | 2800           | 3760  | 1.37           |
| 100       | 215 | 47 | 7320           | B | 152000        | 142400        | 1920           | 2720  | 7.43           |
| 100       | 180 | 34 | 7220           | B | 104000        | 91200         | 2240           | 3040  | 3.30           |

NB: B means contact angle is 40 degree

## 3.2 Double Row



| Dimension |     |      | Bearing Number | Load Rating |            | Limiting Speed |           | Mass Approx |
|-----------|-----|------|----------------|-------------|------------|----------------|-----------|-------------|
| d         | D   | B    |                | Dynamic Cr  | Static Cor | Grease (rpm)   | Oil (rpm) |             |
| mm        | mm  | mm   |                | (N)         | (N)        |                |           | (kg)        |
| 10        | 30  | 14.3 | 5200           | 5720        | 3120       | 13600          | 17600     | 0.05        |
| 12        | 32  | 15.9 | 5201           | 8400        | 4640       | 12000          | 16000     | 0.06        |
| 15        | 35  | 15.9 | 5202           | 9360        | 5640       | 10400          | 13600     | 0.07        |
| 15        | 42  | 19.0 | 5302           | 14080       | 8160       | 8800           | 12000     | 0.13        |
| 17        | 40  | 17.5 | 5203           | 11680       | 7240       | 8800           | 12000     | 0.09        |
| 17        | 47  | 22.2 | 5303           | 16800       | 10080      | 8000           | 10400     | 0.14        |
| 20        | 47  | 20.6 | 5204           | 15680       | 9920       | 8000           | 10400     | 0.12        |
| 20        | 52  | 22.2 | 5304           | 19680       | 12000      | 7200           | 9600      | 0.22        |
| 25        | 52  | 20.6 | 5205           | 17040       | 11760      | 6800           | 8800      | 0.18        |
| 25        | 62  | 25.4 | 5305           | 26000       | 16560      | 6000           | 8000      | 0.35        |
| 30        | 62  | 23.8 | 5206           | 23680       | 16880      | 5680           | 7600      | 0.29        |
| 30        | 72  | 30.2 | 5306           | 32400       | 22480      | 5040           | 6800      | 0.51        |
| 35        | 72  | 27.0 | 5207           | 31200       | 22960      | 5040           | 6400      | 0.44        |
| 35        | 80  | 34.9 | 5307           | 40800       | 28800      | 4480           | 6000      | 0.73        |
| 40        | 80  | 30.2 | 5208           | 35200       | 26800      | 4480           | 5680      | 0.57        |
| 40        | 90  | 36.5 | 5308           | 45200       | 32800      | 4240           | 5360      | 1.05        |
| 45        | 85  | 30.2 | 5209           | 39600       | 30400      | 4000           | 5360      | 0.63        |
| 45        | 100 | 39.7 | 5309           | 54800       | 40800      | 3600           | 4800      | 1.40        |
| 50        | 90  | 30.2 | 5210           | 42400       | 34800      | 3840           | 4800      | 0.66        |
| 50        | 110 | 4.4  | 5310           | 65200       | 49200      | 3440           | 80        | 1.95        |
| 55        | 100 | 33.3 | 5211           | 44800       | 39200      | 3440           | 4480      | 0.96        |
| 55        | 120 | 49.2 | 5311           | 76000       | 58400      | 3040           | 4000      | 2.30        |
| 60        | 110 | 36.5 | 5212           | 55200       | 49600      | 3040           | 4000      | 1.35        |
| 60        | 130 | 54.0 | 5312           | 100000      | 78800      | 2720           | 3600      | 3.15        |
| 65        | 120 | 38.1 | 5213           | 61200       | 55200      | 2880           | 3600      | 1.65        |
| 65        | 140 | 58.7 | 5313           | 113600      | 90400      | 2560           | 3440      | 3.85        |
| 70        | 125 | 39.7 | 5214           | 75200       | 65600      | 2720           | 3600      | 1.80        |
| 75        | 130 | 41.3 | 5215           | 74800       | 66400      | 2560           | 3440      | 1.87        |
| 80        | 140 | 44.4 | 5216           | 79200       | 74400      | 2400           | 3040      | 2.50        |
| 85        | 150 | 49.2 | 5217           | 92800       | 88000      | 2240           | 2880      | 3.40        |