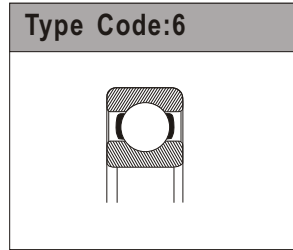


3

4



| ID Code |       |
|---------|-------|
| ID Code | ID mm |
| 00      | 10    |
| 01      | 12    |
| 02      | 15    |
| 03      | 17    |
| 04      | 20    |
| /22     | 22    |
| 05      | 25    |
| /28     | 28    |
| 06      | 30    |
| /32     | 32    |
| 07      | 35    |
| .....   | ..... |



**SIZE DESIGNATION:**

- 0: Designate extra light series 60xx
- 2: Designate light series 62xx
- 3: Designate medium light series 63xx
- 4: Designate heavy series 64xx
- 8: Designate super light series 68xx
- 9: Designate super light series 69xx

**DESIGNS, TYPES AND FEATURES**

- RS: One seal - contact type
- 2RS: Two seals - contact type
- RZ: One non-contact seal
- 2RZ: Two non-contact seals
- Z: One shield
- ZZ: Two shields
- N: With snap ring groove on the outer ring
- M: Solid brass retainer
- NR: With snap ring on the outer ring
- TN: Glass-fiber reinforced nylon cage

**V: NOISE & VIBRATION GRADE**

- /V1: Adhere to vibration standard V1
- /V2: Adhere to vibration standard V2
- /V3: Adhere to vibration standard V3
- EMQ: Standard electric motor quality
- EMQ6: Quiet running ,standard electric motor quality
- EMQ5: Super-quiet running ,standard electric motor quality

**TOLERANCE CLASS:**

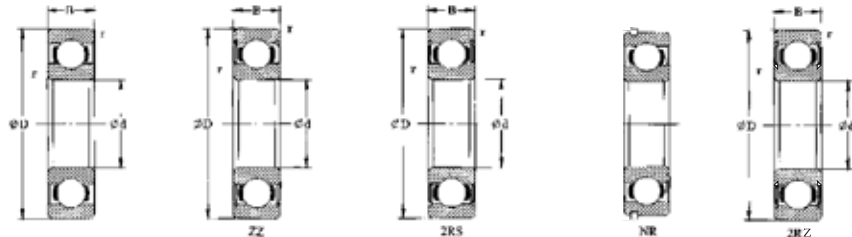
- /P0: Equal tolerance class ABEC1
- /P6: Equal tolerance class ABEC3
- /P5: Equal tolerance class ABEC5
- /P4: Equal tolerance class ABEC7
- /P2: Equal tolerance class ABEC9

**CLEARANCE:**

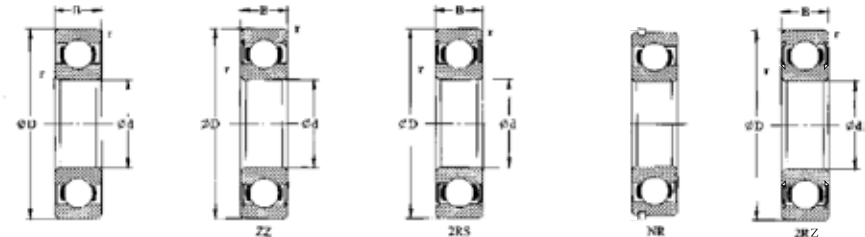
- /C2: Less than normal clearance
- /C0: Normal clearance, omissible
- /C3: Larger clearance than C0
- /C4: Larger clearance than C3
- /C5: Larger clearance than C4

**WORKING TEMPERATURE:**

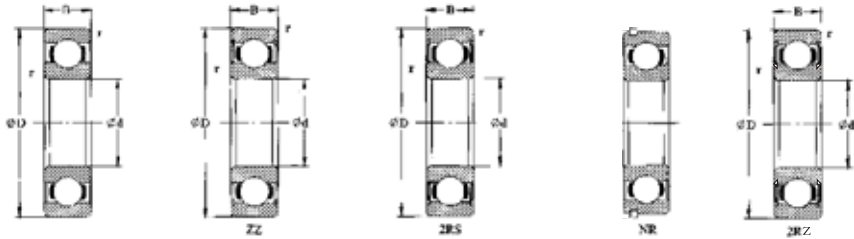
- /S0: Working temperature is up to 150 °C
- /S1: Working temperature is up to 200 °C
- /S2: Working temperature is up to 250 °C
- /S3: Working temperature is up to 300 °C
- /S4: Working temperature is up to 350 °C



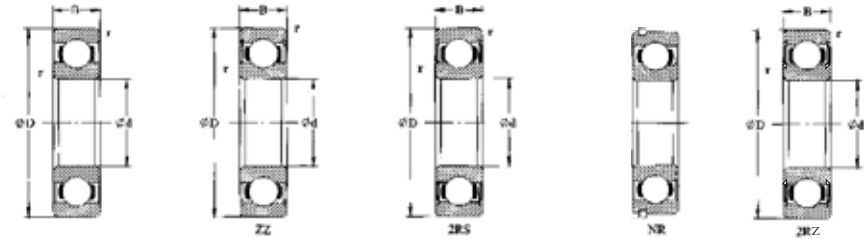
| Principal dimensions (mm) |    |    |                  | Weight<br>Kg | Bearing Number |           |         |             | Basic Load Rating (kN) |            | Limiting Speed (rpm) |       |
|---------------------------|----|----|------------------|--------------|----------------|-----------|---------|-------------|------------------------|------------|----------------------|-------|
| d                         | D  | B  | r <sub>min</sub> |              | Open           | W/Shields | W/Seals | W/Snap Ring | Dynamic Cr             | Static Cor | Grease               | Oil   |
| 10                        | 15 | 3  | 0.1              | 0.0015       | 6700           |           | 2RS     |             | 1.01                   | 0.555      | 36000                | 42000 |
|                           | 19 | 5  | 0.3              | 0.005        | 6800           | ZZ        | 2RS     |             | 1.65                   | 0.890      | 30000                | 36000 |
|                           | 22 | 6  | 0.3              | 0.009        | 6900           | ZZ        | 2RS     |             | 2.43                   | 1.220      | 29000                | 34000 |
|                           | 26 | 8  | 0.3              | 0.018        | 6000           | ZZ        | 2RS     | NR          | 4.10                   | 1.880      | 28000                | 32000 |
|                           | 30 | 9  | 0.6              | 0.032        | 6200           | ZZ        | 2RS     | NR          | 4.59                   | 2.390      | 24000                | 29000 |
|                           | 35 | 11 | 0.6              | 0.052        | 6300           | ZZ        | 2RS     | NR          | 7.38                   | 3.360      | 22000                | 26000 |
| 12                        | 18 | 4  | 0.2              | 0.003        | 6701           |           | 2RS     |             | 1.07                   | 0.655      | 32000                | 38000 |
|                           | 21 | 5  | 0.3              | 0.006        | 6801           | ZZ        | 2RS     |             | 1.73                   | 1.000      | 28000                | 33000 |
|                           | 24 | 6  | 0.3              | 0.010        | 6901           | ZZ        | 2RS     |             | 2.60                   | 1.400      | 26000                | 30000 |
|                           | 28 | 7  | 0.3              | 0.019        | 16001          | ZZ        | 2RS     |             | 4.59                   | 2.290      | 25000                | 29000 |
|                           | 28 | 8  | 0.3              | 0.022        | 6001           | ZZ        | 2RS     | NR          | 4.59                   | 2.290      | 25000                | 29000 |
|                           | 32 | 10 | 0.6              | 0.037        | 6201           | ZZ        | 2RS     | NR          | 5.49                   | 2.750      | 21000                | 25000 |
|                           | 37 | 12 | 1.0              | 0.060        | 6301           | ZZ        | 2RS     | NR          | 8.73                   | 4.030      | 19000                | 23000 |
| 15                        | 21 | 4  | 0.2              | 0.0035       | 6702           |           | 2RS     |             | 1.15                   | 0.790      | 29000                | 34000 |
|                           | 24 | 5  | 0.3              | 0.007        | 6802           | ZZ        | 2RS     |             | 1.87                   | 1.210      | 25000                | 29000 |
|                           | 28 | 7  | 0.3              | 0.015        | 6902           | ZZ        | 2RS     |             | 3.69                   | 1.980      | 23000                | 27000 |
|                           | 32 | 8  | 0.3              | 0.027        | 16002          | ZZ        | 2RS     |             | 5.04                   | 2.730      | 21000                | 25000 |
|                           | 32 | 9  | 0.3              | 0.031        | 6002           | ZZ        | 2RS     | NR          | 5.04                   | 2.730      | 21000                | 25000 |
|                           | 35 | 11 | 0.6              | 0.045        | 6202           | ZZ        | 2RS     | NR          | 6.98                   | 3.600      | 18000                | 22000 |
|                           | 42 | 13 | 1.0              | 0.083        | 6302           | ZZ        | 2RS     | NR          | 10.26                  | 5.230      | 16000                | 20000 |
| 17                        | 23 | 4  | 0.2              | 0.004        | 6703           |           | 2RS     |             | 1.20                   | 0.865      | 26000                | 31000 |
|                           | 26 | 5  | 0.3              | 0.007        | 6803           | ZZ        | 2RS     |             | 2.53                   | 1.650      | 23000                | 27000 |
|                           | 30 | 7  | 0.3              | 0.017        | 6903           | ZZ        | 2RS     |             | 4.46                   | 2.480      | 21000                | 25000 |
|                           | 35 | 8  | 0.3              | 0.033        | 16003          | ZZ        | 2RS     |             | 6.12                   | 3.220      | 19000                | 23000 |
|                           | 35 | 10 | 0.3              | 0.041        | 6003           | ZZ        | 2RS     | NR          | 6.12                   | 3.220      | 19000                | 23000 |
|                           | 40 | 12 | 0.6              | 0.067        | 6203           | ZZ        | 2RS     | NR          | 8.64                   | 4.600      | 17000                | 20000 |
|                           | 47 | 14 | 1.0              | 0.113        | 6303           | ZZ        | 2RS     | NR          | 12.15                  | 6.290      | 15000                | 18000 |
|                           | 62 | 17 | 1.1              | 0.270        | 6403           |           | 2RS     |             | 22.70                  | 10.800     | 14000                | 16000 |
| 20                        | 27 | 4  | 0.2              | 0.005        | 6704           |           | 2RS     |             | 1.79                   | 1.320      | 23000                | 28000 |
|                           | 32 | 7  | 0.3              | 0.017        | 6804           | ZZ        | 2RS     |             | 3.60                   | 2.370      | 20000                | 24000 |
|                           | 37 | 9  | 0.3              | 0.037        | 6904           | ZZ        | 2RS     |             | 5.76                   | 3.550      | 18000                | 22000 |
|                           | 42 | 8  | 0.3              | 0.048        | 16004          | ZZ        | 2RS     |             | 7.11                   | 4.320      | 17000                | 20000 |
|                           | 42 | 12 | 0.6              | 0.068        | 6004           | ZZ        | 2RS     | NR          | 8.46                   | 4.850      | 17000                | 20000 |
|                           | 47 | 14 | 1.0              | 0.107        | 6204           | ZZ        | 2RS     | NR          | 11.52                  | 6.650      | 15000                | 17000 |
|                           | 52 | 15 | 1.1              | 0.145        | 6304           | ZZ        | 2RS     | NR          | 14.31                  | 7.580      | 13000                | 16000 |
|                           | 72 | 19 | 1.1              | 0.400        | 6404           |           |         |             | 28.50                  | 13.900     | 12000                | 14000 |
| 22                        | 44 | 12 | 0.6              | 0.074        | 60/22          | ZZ        | 2RS     |             | 8.46                   | 4.850      | 16000                | 19000 |
|                           | 50 | 14 | 1.0              | 0.119        | 62/22          | ZZ        | 2RS     |             | 11.61                  | 5.840      | 13000                | 16000 |
|                           | 56 | 16 | 1.1              | 0.179        | 63/22          | ZZ        | 2RS     |             | 16.56                  | 8.880      | 12000                | 14000 |
| 25                        | 32 | 4  | 0.2              | 0.006        | 6705           |           | 2RS     |             | 1.93                   | 1.550      | 19000                | 23000 |
|                           | 37 | 7  | 0.3              | 0.021        | 6805           | ZZ        | 2RS     |             | 3.87                   | 2.830      | 17000                | 20000 |



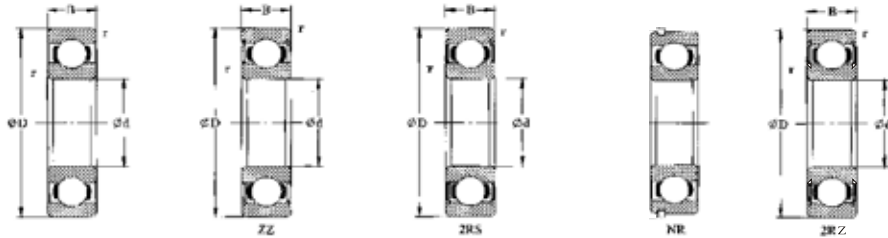
| Principal dimensions (mm) |     |    |                  | Weight<br>Kg | Bearing Number |           |         |             | Basic Load Rating (kN) |            | Limiting Speed (rpm) |       |
|---------------------------|-----|----|------------------|--------------|----------------|-----------|---------|-------------|------------------------|------------|----------------------|-------|
| d                         | D   | B  | r <sub>min</sub> |              | Open           | W/Shields | W/Seals | W/Snap Ring | Dynamic Cr             | Static Cor | Grease               | Oil   |
| 25                        | 42  | 9  | 0.3              | 0.042        | 6905           | ZZ        | 2RS     |             | 6.35                   | 4.37       | 15000                | 18000 |
|                           | 47  | 8  | 0.3              | 0.059        | 16005          | ZZ        | 2RS     |             | 7.52                   | 4.90       | 14000                | 17000 |
|                           | 47  | 12 | 0.6              | 0.079        | 6005           | ZZ        | 2RS     | NR          | 9.09                   | 5.62       | 14000                | 17000 |
|                           | 52  | 15 | 1.0              | 0.129        | 6205           | ZZ        | 2RS     | NR          | 12.60                  | 7.54       | 12000                | 14000 |
|                           | 62  | 17 | 1.1              | 0.235        | 6305           | ZZ        | 2RS     | NR          | 19.08                  | 10.46      | 11000                | 13000 |
|                           | 80  | 21 | 1.5              | 0.530        | 6405           |           |         |             | 34.50                  | 17.50      | 10000                | 12000 |
| 28                        | 52  | 12 | 0.6              | 0.096        | 60/28          | ZZ        | 2RS     | NR          | 11.25                  | 7.10       | 13000                | 15000 |
|                           | 58  | 16 | 1.0              | 0.175        | 62/28          | ZZ        | 2RS     | NR          | 16.11                  | 9.36       | 11000                | 13000 |
|                           | 68  | 18 | 1.1              | 0.287        | 63/28          | ZZ        | 2RS     | NR          | 24.03                  | 13.44      | 10000                | 12000 |
| 30                        | 37  | 4  | 0.2              | 0.008        | 6706           |           | 2RS     |             | 2.05                   | 1.78       | 17000                | 20000 |
|                           | 42  | 7  | 0.3              | 0.024        | 6806           | ZZ        | 2RS     |             | 4.23                   | 3.50       | 14000                | 17000 |
|                           | 47  | 9  | 0.3              | 0.052        | 6906           | ZZ        | 2RS     |             | 6.53                   | 4.80       | 13000                | 16000 |
|                           | 55  | 9  | 0.3              | 0.087        | 16006          | ZZ        | 2RS     |             | 10.08                  | 7.06       | 12000                | 14000 |
|                           | 55  | 13 | 1.0              | 0.116        | 6006           | ZZ        | 2RS     | NR          | 11.88                  | 7.97       | 12000                | 14000 |
|                           | 62  | 16 | 1.0              | 0.199        | 6206           | ZZ        | 2RS     | NR          | 17.55                  | 10.85      | 10000                | 12000 |
|                           | 72  | 19 | 1.1              | 0.345        | 6306           | ZZ        | 2RS     | NR          | 24.03                  | 14.40      | 9500                 | 11000 |
|                           | 90  | 23 | 1.5              | 0.735        | 6406           |           |         |             | 43.50                  | 23.90      | 8000                 | 10000 |
| 32                        | 58  | 13 | 1.0              | 0.122        | 60/32          | ZZ        | 2RS     |             | 13.59                  | 8.78       | 11000                | 14000 |
|                           | 65  | 17 | 1.0              | 0.225        | 62/32          | ZZ        | 2RS     |             | 18.63                  | 11.14      | 10000                | 11000 |
|                           | 75  | 20 | 1.1              | 0.389        | 63/32          | ZZ        | 2RS     | NR          | 26.82                  | 16.22      | 9000                 | 10000 |
| 35                        | 47  | 7  | 0.3              | 0.027        | 6807           | ZZ        | 2RS     |             | 4.41                   | 3.89       | 12000                | 15000 |
|                           | 55  | 10 | 0.6              | 0.075        | 6907           | ZZ        | 2RS     |             | 10.08                  | 7.15       | 11000                | 14000 |
|                           | 62  | 9  | 0.3              | 0.107        | 16007          | ZZ        | 2RS     |             | 10.53                  | 7.87       | 11000                | 13000 |
|                           | 62  | 14 | 1.0              | 0.151        | 6007           | ZZ        | 2RS     | NR          | 14.40                  | 9.89       | 11000                | 13000 |
|                           | 72  | 17 | 1.1              | 0.284        | 6207           | ZZ        | 2RS     | NR          | 23.13                  | 14.69      | 9300                 | 10000 |
|                           | 80  | 21 | 1.5              | 0.464        | 6307           | ZZ        | 2RS     | NR          | 30.15                  | 18.34      | 8400                 | 9500  |
|                           | 100 | 25 | 1.5              | 0.952        | 6407           |           |         |             | 55.00                  | 31.00      | 7800                 | 9100  |
| 40                        | 52  | 7  | 0.3              | 0.031        | 6808           | ZZ        | 2RS     |             | 4.59                   | 4.22       | 11000                | 13000 |
|                           | 62  | 12 | 0.6              | 0.112        | 6908           | ZZ        | 2RS     |             | 13.14                  | 9.79       | 10000                | 12000 |
|                           | 68  | 9  | 0.3              | 0.130        | 16008          | ZZ        | 2RS     |             | 11.34                  | 9.26       | 9500                 | 11000 |
|                           | 68  | 15 | 1.0              | 0.190        | 6008           | ZZ        | 2RS     | NR          | 15.12                  | 11.04      | 9000                 | 11000 |
|                           | 80  | 18 | 1.1              | 0.366        | 6208           | ZZ        | 2RS     | NR          | 26.19                  | 17.09      | 8300                 | 9500  |
|                           | 90  | 23 | 1.5              | 0.636        | 6308           | ZZ        | 2RS     | NR          | 36.45                  | 23.04      | 7400                 | 8700  |
|                           | 110 | 27 | 2.0              | 1.230        | 6408           |           |         |             | 63.50                  | 36.50      | 7000                 | 8200  |
| 45                        | 58  | 7  | 0.3              | 0.038        | 6809           | ZZ        | 2RS     |             | 5.76                   | 5.42       | 10000                | 11000 |
|                           | 68  | 12 | 0.6              | 0.126        | 6909           | ZZ        | 2RS     |             | 13.59                  | 10.75      | 9300                 | 11000 |
|                           | 75  | 10 | 0.6              | 0.167        | 16009          | ZZ        | 2RS     |             | 11.61                  | 10.08      | 8700                 | 10000 |
|                           | 75  | 16 | 1.0              | 0.241        | 6009           | ZZ        | 2RS     | NR          | 18.90                  | 14.50      | 8700                 | 10000 |
|                           | 85  | 19 | 1.1              | 0.420        | 6209           | ZZ        | 2RS     | NR          | 29.25                  | 19.58      | 7400                 | 8700  |
|                           | 100 | 25 | 1.5              | 0.829        | 6309           | ZZ        | 2RS     | NR          | 47.70                  | 30.72      | 6700                 | 7800  |



| Principal dimensions (mm) | Weight | Bearing Number |           |         |              | Basic Load Rating (kN) |            | Limiting Speed (rpm) |        |       |      |       |
|---------------------------|--------|----------------|-----------|---------|--------------|------------------------|------------|----------------------|--------|-------|------|-------|
|                           |        | Open           | W/Shields | W/Seals | W/Snap Ring  | Dynamic Cr             | Static Cor | Grease               | Oil    |       |      |       |
| <b>45</b>                 | 120    | 29             | 2.0       | 1.530   | <b>6409</b>  |                        |            |                      | 77.00  | 45.00 | 6300 | 7400  |
| <b>50</b>                 | 65     | 7              | 0.3       | 0.050   | <b>6810</b>  | ZZ                     | 2RS        |                      | 5.94   | 5.86  | 9100 | 10000 |
|                           | 72     | 12             | 0.6       | 0.135   | <b>6910</b>  | ZZ                     | 2RS        |                      | 14.04  | 11.71 | 8500 | 10000 |
|                           | 80     | 10             | 0.6       | 0.175   | <b>16010</b> | ZZ                     | 2RS        |                      | 11.88  | 10.85 | 8000 | 9300  |
|                           | 80     | 16             | 1.0       | 0.261   | <b>6010</b>  | ZZ                     | 2RS        | NR                   | 19.62  | 15.94 | 8000 | 9300  |
|                           | 90     | 20             | 1.1       | 0.459   | <b>6210</b>  | ZZ                     | 2RS        | NR                   | 31.50  | 22.37 | 6700 | 7900  |
|                           | 110    | 27             | 2.0       | 1.060   | <b>6310</b>  | ZZ                     | 2RS        | NR                   | 55.80  | 36.96 | 6100 | 7100  |
|                           | 130    | 31             | 2.1       | 1.880   | <b>6410</b>  |                        |            |                      | 83.00  | 49.50 | 5700 | 6700  |
| <b>55</b>                 | 72     | 9              | 0.3       | 0.081   | <b>6811</b>  | ZZ                     | 2RS        |                      | 7.92   | 7.78  | 8300 | 9500  |
|                           | 80     | 13             | 1.0       | 0.189   | <b>6911</b>  | ZZ                     | 2RS        |                      | 14.40  | 12.77 | 7800 | 9100  |
|                           | 90     | 11             | 0.6       | 0.257   | <b>16011</b> | ZZ                     | 2RS        |                      | 16.74  | 14.69 | 7300 | 8600  |
|                           | 90     | 18             | 1.1       | 0.381   | <b>6011</b>  | ZZ                     | 2RS        | NR                   | 25.47  | 20.35 | 7300 | 8600  |
|                           | 100    | 21             | 1.5       | 0.619   | <b>6211</b>  | ZZ                     | 2RS        | NR                   | 39.15  | 28.03 | 6100 | 7200  |
|                           | 120    | 29             | 2.0       | 1.370   | <b>6311</b>  | ZZ                     | 2RS        | NR                   | 64.35  | 43.20 | 5500 | 6500  |
|                           | 140    | 33             | 2.1       | 2.290   | <b>6411</b>  |                        |            |                      | 89.00  | 54.00 | 5200 | 6100  |
| <b>60</b>                 | 78     | 10             | 0.3       | 0.103   | <b>6812</b>  | ZZ                     | 2RS        |                      | 10.35  | 10.18 | 7600 | 8900  |
|                           | 85     | 13             | 1.0       | 0.192   | <b>6912</b>  | ZZ                     | 2RS        |                      | 14.76  | 13.73 | 7200 | 8500  |
|                           | 95     | 11             | 0.6       | 0.281   | <b>16012</b> | ZZ                     | 2RS        |                      | 18.00  | 16.80 | 6700 | 7900  |
|                           | 95     | 18             | 1.1       | 0.412   | <b>6012</b>  | ZZ                     | 2RS        | NR                   | 26.55  | 22.27 | 6700 | 7900  |
|                           | 110    | 22             | 1.5       | 0.783   | <b>6212</b>  | ZZ                     | 2RS        | NR                   | 47.25  | 34.56 | 5700 | 6700  |
|                           | 130    | 31             | 2.1       | 1.720   | <b>6312</b>  | ZZ                     | 2RS        | NR                   | 73.80  | 49.92 | 5100 | 6000  |
|                           | 150    | 35             | 2.1       | 2.770   | <b>6412</b>  |                        |            |                      | 102.00 | 64.50 | 4800 | 5700  |
| <b>65</b>                 | 85     | 10             | 0.6       | 0.128   | <b>6813</b>  | ZZ                     | 2RS        |                      | 10.44  | 10.56 | 7000 | 8300  |
|                           | 90     | 13             | 1.0       | 0.218   | <b>6913</b>  | ZZ                     | 2RS        |                      | 15.66  | 15.46 | 6700 | 7800  |
|                           | 100    | 11             | 0.6       | 0.300   | <b>16013</b> | ZZ                     | 2RS        |                      | 18.45  | 17.95 | 6200 | 7300  |
|                           | 100    | 18             | 1.1       | 0.439   | <b>6013</b>  | ZZ                     | 2RS        | NR                   | 27.45  | 24.19 | 6200 | 7300  |
|                           | 120    | 23             | 1.5       | 1.000   | <b>6213</b>  | ZZ                     | 2RS        | NR                   | 51.75  | 38.40 | 5200 | 6200  |
|                           | 140    | 33             | 2.1       | 2.110   | <b>6313</b>  | ZZ                     | 2RS        | NR                   | 83.25  | 57.60 | 4700 | 5500  |
|                           | 160    | 37             | 2.1       | 3.300   | <b>6413</b>  |                        |            |                      | 111.00 | 72.50 | 4400 | 5300  |
| <b>70</b>                 | 90     | 10             | 0.6       | 0.134   | <b>6814</b>  | ZZ                     | 2RS        |                      | 10.89  | 11.42 | 6600 | 7700  |
|                           | 100    | 16             | 1.0       | 0.349   | <b>6914</b>  | ZZ                     | 2RS        |                      | 21.33  | 20.35 | 6200 | 7300  |
|                           | 110    | 13             | 0.6       | 0.441   | <b>16014</b> | ZZ                     | 2RS        |                      | 21.96  | 21.70 | 5800 | 6700  |
|                           | 110    | 20             | 1.1       | 0.608   | <b>6014</b>  | ZZ                     | 2RS        | NR                   | 34.20  | 29.76 | 5800 | 6700  |
|                           | 125    | 24             | 1.5       | 1.090   | <b>6214</b>  | ZZ                     | 2RS        | NR                   | 55.80  | 42.24 | 4800 | 5700  |
|                           | 150    | 35             | 2.1       | 2.570   | <b>6314</b>  | ZZ                     | 2RS        | NR                   | 93.60  | 65.28 | 4400 | 5100  |
|                           | 180    | 42             | 3.0       | 4.830   | <b>6414</b>  |                        |            |                      | 128.00 | 89.50 | 4100 | 4800  |
| <b>75</b>                 | 95     | 10             | 0.6       | 0.149   | <b>6815</b>  | ZZ                     | 2RS        |                      | 11.25  | 12.38 | 6100 | 7200  |
|                           | 105    | 16             | 1.0       | 0.364   | <b>6915</b>  | ZZ                     | 2RS        |                      | 21.96  | 21.70 | 5800 | 6800  |
|                           | 115    | 13             | 0.6       | 0.463   | <b>16015</b> | ZZ                     | 2RS        |                      | 22.50  | 23.04 | 5400 | 6400  |
|                           | 115    | 20             | 1.1       | 0.649   | <b>6015</b>  | ZZ                     | 2RS        | NR                   | 35.55  | 32.16 | 5400 | 6400  |



| Principal dimensions (mm) | Weight | Bearing Number |           |         |              | Basic Load Rating (kN) |            | Limiting Speed (rpm) |        |        |      |      |
|---------------------------|--------|----------------|-----------|---------|--------------|------------------------|------------|----------------------|--------|--------|------|------|
|                           |        | Open           | W/Shields | W/Seals | W/Snap Ring  | Dynamic Cr             | Static Cor | Grease               | Oil    |        |      |      |
| <b>75</b>                 | 130    | 25             | 1.5       | 1.190   | <b>6215</b>  | ZZ                     | 2RS        | NR                   | 59.40  | 47.52  | 4600 | 5300 |
|                           | 160    | 37             | 2.1       | 3.080   | <b>6315</b>  | ZZ                     | 2RS        | NR                   | 101.70 | 73.92  | 4100 | 4800 |
|                           | 190    | 45             | 3.0       | 5.720   | <b>6415</b>  |                        |            |                      | 138.00 | 99.00  | 3800 | 4500 |
| <b>80</b>                 | 100    | 10             | 0.6       | 0.151   | <b>6816</b>  | ZZ                     | 2RS        |                      | 11.43  | 12.77  | 5700 | 6700 |
|                           | 110    | 16             | 1.0       | 0.391   | <b>6916</b>  | ZZ                     | 2RS        |                      | 22.41  | 23.04  | 5400 | 6400 |
|                           | 125    | 14             | 0.6       | 0.621   | <b>16016</b> | ZZ                     | 2RS        |                      | 22.86  | 24.10  | 5000 | 5900 |
|                           | 125    | 22             | 1.1       | 0.872   | <b>6016</b>  | ZZ                     | 2RS        | NR                   | 42.75  | 38.40  | 5000 | 5900 |
|                           | 140    | 26             | 2.0       | 1.420   | <b>6216</b>  | ZZ                     | 2RS        | NR                   | 65.25  | 60.48  | 4300 | 5000 |
|                           | 170    | 39             | 2.1       | 3.670   | <b>6316</b>  | ZZ                     | 2RS        | NR                   | 110.70 | 83.04  | 3800 | 4500 |
|                           | 200    | 48             | 3.0       | 6.760   | <b>6416</b>  |                        |            |                      | 164.00 | 125.00 | 3600 | 4200 |
| <b>85</b>                 | 110    | 13             | 1.0       | 0.263   | <b>6817</b>  | ZZ                     | 2RS        |                      | 16.83  | 18.24  | 5400 | 6400 |
|                           | 120    | 18             | 1.1       | 0.550   | <b>6917</b>  | ZZ                     | 2RS        |                      | 28.80  | 28.42  | 5100 | 6000 |
|                           | 130    | 14             | 0.6       | 0.652   | <b>16017</b> | ZZ                     | 2RS        |                      | 23.31  | 25.15  | 4800 | 5600 |
|                           | 130    | 22             | 1.1       | 0.918   | <b>6017</b>  | ZZ                     | 2RS        | NR                   | 44.55  | 41.28  | 4800 | 5600 |
|                           | 150    | 28             | 2.0       | 1.760   | <b>6217</b>  | ZZ                     | 2RS        | NR                   | 75.15  | 61.44  | 4000 | 4800 |
|                           | 180    | 41             | 3.0       | 4.280   | <b>6317</b>  | ZZ                     | 2RS        | NR                   | 119.70 | 93.12  | 3600 | 4300 |
|                           | 210    | 52             | 4.0       | 7.950   | <b>6417</b>  |                        |            |                      | 165.00 | 128.00 | 3400 | 4000 |
| <b>90</b>                 | 115    | 13             | 1.0       | 0.276   | <b>6818</b>  | ZZ                     | 2RS        |                      | 17.10  | 18.91  | 5100 | 6000 |
|                           | 125    | 18             | 1.1       | 0.585   | <b>6918</b>  | ZZ                     | 2RS        |                      | 29.70  | 30.24  | 4800 | 5700 |
|                           | 140    | 16             | 1.0       | 0.873   | <b>16018</b> | ZZ                     | 2RS        |                      | 30.15  | 32.16  | 4500 | 5300 |
|                           | 140    | 24             | 1.5       | 1.190   | <b>6018</b>  | ZZ                     | 2RS        | NR                   | 52.20  | 47.52  | 4500 | 5300 |
|                           | 160    | 30             | 2.0       | 2.180   | <b>6218</b>  | ZZ                     | 2RS        | NR                   | 86.40  | 68.64  | 3800 | 4500 |
|                           | 190    | 43             | 3.0       | 4.980   | <b>6318</b>  | ZZ                     | 2RS        | NR                   | 128.70 | 102.72 | 3400 | 4000 |
|                           | 225    | 54             | 4.0       | 11.40   | <b>6418</b>  |                        |            |                      | 184.00 | 148.00 | 3200 | 3800 |
| <b>95</b>                 | 120    | 13             | 1.0       | 0.297   | <b>6819</b>  | ZZ                     | 2RS        |                      | 17.37  | 19.68  | 4800 | 5600 |
|                           | 130    | 18             | 1.1       | 0.601   | <b>6919</b>  | ZZ                     | 2RS        |                      | 30.15  | 32.16  | 4600 | 5400 |
|                           | 145    | 16             | 1.0       | 0.904   | <b>16019</b> | ZZ                     | 2RS        |                      | 31.05  | 33.60  | 4300 | 5000 |
|                           | 145    | 24             | 1.5       | 1.230   | <b>6019</b>  | ZZ                     | 2RS        | NR                   | 54.45  | 51.84  | 4300 | 5000 |
|                           | 170    | 32             | 2.1       | 2.640   | <b>6219</b>  | ZZ                     | 2RS        | NR                   | 98.10  | 78.72  | 3500 | 4200 |
|                           | 200    | 45             | 3.0       | 5.760   | <b>6319</b>  | ZZ                     | 2RS        | NR                   | 137.70 | 114.24 | 3100 | 3700 |
|                           | 240    | 55             | 4.0       | 13.400  | <b>6419</b>  |                        |            |                      | 186.00 | 153.00 | 3000 | 3500 |
| <b>100</b>                | 125    | 13             | 1.0       | 0.310   | <b>6820</b>  | ZZ                     | 2RS        | NR                   | 17.64  | 20.35  | 4600 | 5300 |
|                           | 140    | 20             | 1.1       | 0.828   | <b>6920</b>  | ZZ                     | 2RS        | NR                   | 36.90  | 37.92  | 4300 | 5000 |
|                           | 150    | 24             | 1.5       | 1.290   | <b>6020</b>  | ZZ                     | 2RS        | NR                   | 54.00  | 51.84  | 4000 | 4800 |
|                           | 180    | 34             | 2.1       | 3.170   | <b>6220</b>  | ZZ                     | 2RS        | NR                   | 109.80 | 89.28  | 3300 | 4000 |
|                           | 215    | 47             | 3.0       | 7.040   | <b>6320</b>  | ZZ                     | 2RS        | NR                   | 155.70 | 135.36 | 3000 | 3500 |
|                           | 250    | 58             | 4.0       | 15.000  | <b>6420</b>  |                        |            |                      | 206.00 | 175.00 | 2900 | 3400 |
| <b>105</b>                | 160    | 26             | 2.0       | 1.590   | <b>6021</b>  | ZZ                     | 2RS        | NR                   | 72.50  | 65.50  | 4000 | 4700 |
|                           | 190    | 36             | 2.1       | 3.700   | <b>6221</b>  | ZZ                     | 2RS        | NR                   | 133.00 | 105.00 | 3400 | 4000 |
|                           | 225    | 49             | 3.0       | 8.050   | <b>6321</b>  | ZZ                     | 2RS        | NR                   | 184.00 | 153.00 | 3000 | 3600 |



| Principal dimensions (mm) | Weight | Bearing Number |     |        |                  | Basic Load Rating (kN) |      | Limiting Speed (rpm) |         |             |            |            |        |
|---------------------------|--------|----------------|-----|--------|------------------|------------------------|------|----------------------|---------|-------------|------------|------------|--------|
|                           |        | d              | D   | B      | r <sub>min</sub> | Kg                     | Open | W/Shields            | W/Seals | W/Snap Ring | Dynamic Cr | Static Cor | Grease |
| <b>105</b>                | 250    | 58             | 4.0 | 15.000 | <b>6420</b>      |                        |      |                      |         | 206.00      | 175.00     | 2900       | 3400   |
| <b>110</b>                | 170    | 28             | 2.0 | 1.960  | <b>6022</b>      | ZZ                     | 2RS  |                      | NR      | 82.00       | 73.00      | 3800       | 4500   |
|                           | 200    | 38             | 2.1 | 4.360  | <b>6222</b>      | ZZ                     | 2RS  |                      | NR      | 144.00      | 117.00     | 3200       | 3800   |
|                           | 240    | 50             | 3.0 | 9.540  | <b>6322</b>      | ZZ                     | 2RS  |                      |         | 205.00      | 179.00     | 2900       | 3400   |
|                           | 280    | 65             | 4.0 | 21.300 | <b>6422</b>      |                        |      |                      |         | 247.00      | 227.00     | 2600       | 3000   |
| <b>120</b>                | 180    | 28             | 2.0 | 2.070  | <b>6024</b>      | ZZ                     | 2RS  |                      | NR      | 85.00       | 79.50      | 3500       | 4100   |
|                           | 215    | 40             | 2.1 | 5.150  | <b>6224</b>      | ZZ                     | 2RS  |                      |         | 155.00      | 131.00     | 2900       | 3400   |
|                           | 260    | 55             | 3.0 | 12.400 | <b>6324</b>      |                        |      |                      |         | 207.00      | 185.00     | 2600       | 3100   |
|                           | 310    | 72             | 5.0 | 29.000 | <b>6424</b>      |                        |      |                      |         | 291.00      | 287.00     | 2300       | 2800   |
| <b>130</b>                | 200    | 33             | 2.0 | 3.160  | <b>6026</b>      |                        | 2RS  |                      | NR      | 106.00      | 101.00     | 3200       | 3800   |
|                           | 230    | 40             | 3.0 | 5.820  | <b>6226</b>      |                        |      |                      |         | 167.00      | 146.00     | 2700       | 3100   |
|                           | 280    | 58             | 4.0 | 15.30  | <b>6326</b>      |                        |      |                      |         | 229.00      | 214.00     | 2400       | 2800   |
|                           | 340    | 78             | 5.0 | 38.000 | <b>6426</b>      |                        |      |                      |         | 300.00      | 298.00     | 2200       | 2500   |
| <b>140</b>                | 175    | 18             | 1.1 | 0.850  | <b>6828</b>      | ZZ                     | RS   |                      | NR      | 39.20       | 46.00      | 3400       | 4000   |
|                           | 190    | 24             | 1.5 | 1.589  | <b>6928</b>      | ZZ                     | RS   |                      | NR      | 66.60       | 71.20      | 2800       | 3600   |
|                           | 210    | 22             | 1.1 | 2.004  | <b>16028</b>     | ZZ                     | RS   |                      | NR      | 82.10       | 85.00      | 3000       | 3600   |
|                           | 210    | 33             | 2.0 | 3.350  | <b>6028</b>      | ZZ                     | RS   |                      | NR      | 111.00      | 108.00     | 3000       | 3500   |
|                           | 250    | 42             | 3.0 | 7.450  | <b>6228</b>      | ZZ                     | RS   |                      | NR      | 165.00      | 125.00     | 2500       | 2900   |
|                           | 300    | 62             | 3.0 | 18.500 | <b>6328</b>      | ZZ                     | RS   |                      | NR      | 251.10      | 245.00     | 2200       | 2600   |
| <b>150</b>                | 190    | 20             | 1.1 | 0.980  | <b>6830</b>      | ZZ                     | RS   |                      | NR      | 49.10       | 57.10      | 3100       | 3700   |
|                           | 210    | 28             | 2.0 | 2.454  | <b>6930</b>      | ZZ                     | RS   |                      | NR      | 84.70       | 90.20      | 3000       | 3500   |
|                           | 225    | 24             | 1.1 | 2.638  | <b>16030</b>     | ZZ                     | RS   |                      | NR      | 91.90       | 98.50      | 2600       | 3200   |
|                           | 225    | 35             | 2.1 | 4.800  | <b>6030</b>      | ZZ                     | RS   |                      | NR      | 125.00      | 125.00     | 2800       | 3200   |
|                           | 270    | 45             | 3.0 | 9.400  | <b>6230</b>      | ZZ                     | RS   |                      | NR      | 174.00      | 137.00     | 2300       | 2700   |
|                           | 320    | 65             | 4.0 | 22.000 | <b>6330</b>      | ZZ                     | RS   |                      | NR      | 274.00      | 284.00     | 2100       | 2400   |
| <b>160</b>                | 200    | 20             | 1.1 | 1.187  | <b>6832</b>      | ZZ                     | RS   |                      | NR      | 45.20       | 55.10      | 2900       | 3400   |
|                           | 220    | 28             | 2.0 | 2.589  | <b>6932</b>      | ZZ                     | RS   |                      | NR      | 86.90       | 95.50      | 2800       | 3300   |
|                           | 240    | 25             | 1.5 | 4.610  | <b>16032</b>     | ZZ                     | RS   |                      | NR      | 72.00       | 104.00     | 2400       | 3000   |
|                           | 240    | 38             | 2.1 | 5.050  | <b>6032</b>      | ZZ                     | RS   |                      | NR      | 143.00      | 144.00     | 2600       | 3000   |
|                           | 290    | 48             | 3.0 | 11.700 | <b>6232</b>      | ZZ                     | RS   |                      | NR      | 185.00      | 186.00     | 2100       | 2500   |
|                           | 340    | 68             | 4.0 | 26.000 | <b>6332</b>      | ZZ                     | RS   |                      | NR      | 278.00      | 286.00     | 1900       | 2300   |

