



| Bearing Designation | Dimension [mm] |     |    |        | Basic load ratings (kN) |       | Speed ratings (rpm) |       | Weight (Kg) |
|---------------------|----------------|-----|----|--------|-------------------------|-------|---------------------|-------|-------------|
|                     | d              | D   | B  | rs min | Cr                      | Cor   | Grease              | Oil   |             |
| 6800                | 10             | 19  | 5  | 0.3    | 1.83                    | 0.925 | 32000               | 38000 | 0.005       |
| 6801                | 12             | 21  | 5  | 0.3    | 1.92                    | 1.04  | 29000               | 35000 | 0.006       |
| 6802                | 15             | 24  | 5  | 0.3    | 2.08                    | 1.26  | 26000               | 31000 | 0.007       |
| 6803                | 17             | 26  | 5  | 0.3    | 2.23                    | 1.46  | 24000               | 28000 | 0.008       |
| 6804                | 20             | 32  | 7  | 0.3    | 4                       | 2.47  | 21000               | 25000 | 0.019       |
| 6805                | 25             | 37  | 7  | 0.3    | 4.3                     | 2.95  | 18000               | 21000 | 0.022       |
| 6806                | 30             | 42  | 7  | 0.3    | 4.7                     | 3.65  | 15000               | 18000 | 0.026       |
| 6807                | 35             | 47  | 7  | 0.3    | 4.9                     | 4.05  | 13000               | 16000 | 0.029       |
| 6808                | 40             | 52  | 7  | 0.3    | 5.1                     | 4.4   | 12000               | 14000 | 0.033       |
| 6809                | 45             | 58  | 7  | 0.3    | 5.35                    | 4.95  | 11000               | 12000 | 0.04        |
| 6810                | 50             | 65  | 7  | 0.3    | 6.6                     | 6.1   | 9600                | 11000 | 0.052       |
| 6811                | 55             | 72  | 9  | 0.3    | 8.8                     | 8.1   | 8700                | 10000 | 0.083       |
| 6812                | 60             | 78  | 10 | 0.3    | 11.5                    | 10.6  | 8000                | 9400  | 0.106       |
| 6813                | 65             | 85  | 10 | 0.6    | 11.6                    | 11    | 7400                | 8700  | 0.128       |
| 6814                | 70             | 90  | 10 | 0.6    | 12.1                    | 11.9  | 6900                | 8100  | 0.137       |
| 6815                | 75             | 95  | 10 | 0.6    | 12.5                    | 12.9  | 6400                | 7600  | 0.145       |
| 6816                | 80             | 100 | 10 | 0.6    | 12.7                    | 13.3  | 6000                | 7100  | 0.154       |
| 6817                | 85             | 110 | 13 | 1      | 18.7                    | 19    | 5700                | 6700  | 0.27        |
| 6818                | 90             | 115 | 13 | 1      | 19                      | 19.7  | 5400                | 6300  | 0.285       |
| 6819                | 95             | 120 | 13 | 1      | 19.3                    | 20.5  | 5000                | 5900  | 0.3         |

# 6800 Series

|      |     |     |    |     |      |      |      |      |       |
|------|-----|-----|----|-----|------|------|------|------|-------|
| 6820 | 100 | 125 | 13 | 1   | 19.6 | 21.2 | 4800 | 5600 | 0.313 |
| 6821 | 105 | 130 | 13 | 1   | 19.8 | 22   | 4600 | 5400 | 0.33  |
| 6822 | 110 | 140 | 16 | 1   | 24.9 | 28.2 | 4300 | 5100 | 0.515 |
| 6824 | 120 | 150 | 16 | 1   | 28.9 | 33   | 4000 | 4700 | 0.555 |
| 6826 | 130 | 165 | 18 | 1.1 | 37   | 41   | 3700 | 4300 | 0.8   |
| 6828 | 140 | 175 | 18 | 1.1 | 38.5 | 44.5 | 3300 | 4000 | 0.85  |
| 6830 | 150 | 190 | 20 | 1.1 | 47.5 | 55   | 3100 | 3700 | 1.16  |
| 6832 | 160 | 200 | 20 | 1.1 | 48.5 | 57   | 2900 | 3400 | 1.23  |
| 6834 | 170 | 215 | 22 | 1.1 | 60   | 70.5 | 2700 | 3200 | 1.63  |
| 6836 | 180 | 225 | 22 | 1.1 | 60.5 | 73   | 2600 | 3000 | 2.03  |