



## Thrust Bearing

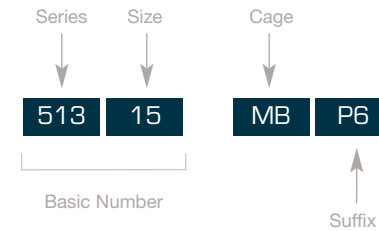
ANGULAR CONTACT

Ball Bearing

Chapter 13  
Screw  
pages 00 to 00



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## Series & Size

- 51,53\*** Single direction thrust ball bearing
- 52,54\*** Standard series spherical roller bearings
- (\*)** Standard series spherical roller bearings

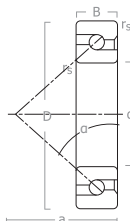
## Cage

- No Symbol** Standard cage.
- J** Pressed steel cage.
- MP** Machined window type brass cage
- FP** Machined window type steel cage

## Suffix

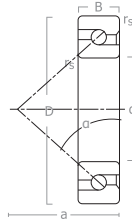
- P6** ISO Class 6 (equivalent to ABEC 3)
- P5** ISO Class 5 (equivalent to ABEC 5)
- P4** ISO Class 4 (equivalent to ABEC 7)

# BALL BEARING



| Principal dimensions |     |    |       | Basic load ratings |        | Speed ratings(rpm) |       | Designations | Weight |
|----------------------|-----|----|-------|--------------------|--------|--------------------|-------|--------------|--------|
| mm                   |     |    |       | KN                 |        | Grease             | Oil   |              | kg     |
| d                    | D   | B  | rsmin | Ca                 | C0a    |                    |       |              |        |
| 20                   | 47  | 14 | 1,00  | 19,30              | 25,00  | 12000              | 17000 | 760204TN1    | 0,13   |
|                      | 52  | 15 | 1,10  | 24,50              | 32,00  | 11000              | 16000 | 760304TN1    | 0,17   |
| 25                   | 52  | 15 | 1,00  | 22,00              | 30,50  | 11000              | 16000 | 760205TN1    | 0,16   |
|                      | 62  | 17 | 1,10  | 28,50              | 41,50  | 9000               | 13000 | 760305TN1    | 0,28   |
| 30                   | 62  | 16 | 1,00  | 26,00              | 39,00  | 9000               | 13000 | 760206TN1    | 0,24   |
|                      | 72  | 19 | 1,10  | 34,50              | 55,00  | 8000               | 11000 | 760306TN1    | 0,41   |
| 35                   | 72  | 17 | 1,10  | 30,00              | 50,00  | 8000               | 11000 | 760207TN1    | 0,34   |
|                      | 80  | 21 | 1,50  | 36,50              | 61,00  | 7000               | 9500  | 760307TN1    | 0,55   |
| 40                   | 80  | 18 | 1,10  | 37,50              | 64,00  | 7000               | 9500  | 760208TN1    | 0,44   |
|                      | 90  | 23 | 1,50  | 50,00              | 83,00  | 6300               | 8500  | 760308TN1    | 0,76   |
| 45                   | 85  | 19 | 1,10  | 38,00              | 68,00  | 6700               | 9000  | 760209TN1    | 0,50   |
|                      | 100 | 25 | 1,50  | 58,50              | 104,00 | 5600               | 7500  | 760309TN1    | 1,02   |
| 50                   | 90  | 20 | 1,10  | 39,00              | 75,00  | 6300               | 8500  | 760210TN1    | 0,57   |
|                      | 110 | 27 | 2,00  | 69,50              | 127,00 | 5000               | 6700  | 760310TN1    | 1,33   |
| 55                   | 100 | 21 | 1,50  | 40,50              | 81,50  | 6000               | 8000  | 760211TN1    | 0,75   |
|                      | 120 | 29 | 2,00  | 78,00              | 146,00 | 4800               | 6300  | 760311TN1    | 1,69   |
| 60                   | 110 | 22 | 1,50  | 56,00              | 112,00 | 5000               | 6700  | 760212TN1    | 0,96   |
|                      | 130 | 31 | 2,10  | 88,00              | 166,00 | 4500               | 6000  | 760312TN1    | 2,12   |
| 65                   | 120 | 23 | 1,50  | 57,00              | 122,00 | 4800               | 6300  | 760213TN1    | 1,20   |
|                      | 140 | 33 | 2,10  | 100,00             | 196,00 | 4000               | 5300  | 760313TN1    | 2,60   |
| 70                   | 125 | 24 | 1,50  | 65,50              | 137,00 | 4500               | 6000  | 760214TN1    | 1,32   |
|                      | 150 | 35 | 2,10  | 110,00             | 220,00 | 3800               | 5000  | 760314TN1    | 3,16   |
| 75                   | 130 | 25 | 1,50  | 67,00              | 150,00 | 4300               | 5600  | 760215TN1    | 1,45   |
|                      | 160 | 37 | 2,10  | 125,00             | 255,00 | 3600               | 4800  | 760315TN1    | 3,79   |
| 80                   | 140 | 26 | 2,00  | 76,50              | 175,00 | 4000               | 5300  | 760216TN1    | 1,76   |

## BALL BEARING



| Principal dimensions |     |    |       | Basic load ratings |        | Speed ratings(rpm) |      | Designations | Weight |
|----------------------|-----|----|-------|--------------------|--------|--------------------|------|--------------|--------|
| mm                   |     |    |       | KN                 |        | Grease             | Oil  |              | kg     |
| d                    | D   | B  | rsmin | Ca                 | C0a    |                    |      |              |        |
|                      | 170 | 39 | 2,10  | 137,00             | 285,00 | 3400               | 4500 | 760316TN1    | 4,50   |
| 85                   | 150 | 28 | 2,00  | 86,50              | 196,00 | 3800               | 5000 | 760217TN1    | 2,19   |
|                      | 180 | 41 | 3,00  | 160,00             | 325,00 | 3200               | 4300 | 760317TN1    | 5,29   |
| 90                   | 160 | 30 | 2,00  | 98,00              | 224,00 | 3600               | 4800 | 760218TN1    | 2,69   |
|                      | 190 | 43 | 3,00  | 163,00             | 345,00 | 3000               | 4000 | 760318TN1    | 6,17   |
| 95                   | 170 | 32 | 2,10  | 110,00             | 255,00 | 3400               | 4500 | 760219TN1    | 3,26   |
|                      | 200 | 45 | 3,00  | 163,00             | 360,00 | 3000               | 4000 | 760319TN1    | 7,15   |
| 100                  | 180 | 34 | 2,10  | 122,00             | 285,00 | 3200               | 4300 | 760220TN1    | 3,91   |
|                      | 215 | 47 | 3,00  | 193,00             | 430,00 | 2600               | 3600 | 760320TN1    | 8,73   |
| 110                  | 200 | 38 | 2,10  | 146,00             | 355,00 | 2800               | 3800 | 760222TN1    | 5,50   |
|                      | 240 | 50 | 3,00  | 250,00             | 560,00 | 2400               | 3400 | 760322TN1    | 11,80  |
| 120                  | 215 | 40 | 2,10  | 176,00             | 425,00 | 2600               | 3600 | 760224TN1    | 6,50   |
|                      | 260 | 55 | 3,00  | 265,00             | 620,00 | 2200               | 3200 | 760324TN1    | 14,60  |
| 130                  | 230 | 40 | 3,00  | 180,00             | 455,00 | 2400               | 3400 | 760226TN1    | 7,40   |
|                      | 280 | 58 | 3,00  | 290,00             | 695,00 | 2000               | 3000 | 760326TN1    | 18,70  |