

# 32000 Tapered Roller Bearing

## Single Row Tapered Roller Bearing 32000 Tapered Roller Bearing



| Designation       | Principal dimensions [mm] |     |     | Basic load ratings [kN] |          | Pu   | Speed ratings [rpm] |                | Weight (Kg) | ISO335 | Dimensions [mm]   |      |     |      |     |           | Abutment and fillet dimensions [mm] |     |         |         |         |         |         |         |         |         | Value   |      |     |    |
|-------------------|---------------------------|-----|-----|-------------------------|----------|------|---------------------|----------------|-------------|--------|-------------------|------|-----|------|-----|-----------|-------------------------------------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----|----|
|                   | d1                        | D   | B   | dyc(Cr)                 | stc(Cor) |      | Speed Ratings       | Limiting Speed |             |        | Dimensions (ABMA) | d    | d1  | B    | C   | r1,2(min) | r3,4(min)                           | a   | da(max) | db(min) | Da(min) | Da(max) | Db(min) | Ca(min) | Cb(min) | ra(max) | rb(max) | e    | Y   | Yo |
|                   |                           |     |     |                         |          |      |                     |                |             |        |                   |      |     |      |     |           |                                     |     |         |         |         |         |         |         |         |         |         |      |     |    |
| 32004X/Q          | 20                        | 42  | 15  | 28                      | 27       | 2.7  | 13000               | 16000          | 0.097       | 3CC    | 20                | 31.1 | 15  | 12   | 0.6 | 0.6       | 10                                  | 25  | 25      | 36      | 37      | 39      | 2       | 3       | 0.6     | 0.6     | 0.37    | 1.6  | 0.9 |    |
| 32022X            | 22                        | 44  | 15  | 25.1                    | 29       | 2.85 | 11000               | 15000          | 0.10        | 3CC    | 22                | 33.3 | 15  | 11.5 | 0.6 | 0.6       | 11                                  | 27  | 27      | 38      | 39      | 41      | 3       | 3.5     | 0.6     | 0.6     | 0.40    | 1.5  | 0.8 |    |
| 32005X/Q          | 25                        | 47  | 15  | 31                      | 32.5     | 3.25 | 12000               | 14000          | 0.11        | 4CC    | 25                | 36.5 | 15  | 11.5 | 0.6 | 0.6       | 11                                  | 30  | 30      | 40      | 42      | 44      | 3       | 3.5     | 0.6     | 0.6     | 0.43    | 1.4  | 0.8 |    |
| 32028X/Q          | 28                        | 52  | 16  | 36.5                    | 38       | 4    | 10000               | 13000          | 0.15        | 4CC    | 28                | 40.3 | 16  | 12   | 1   | 1         | 12                                  | 34  | 34      | 45      | 46      | 49      | 3       | 4       | 1       | 1       | 0.43    | 1.4  | 0.8 |    |
| 32006X/Q          | 30                        | 55  | 17  | 40.5                    | 44       | 4.55 | 10000               | 12000          | 0.17        | 4CC    | 30                | 43   | 17  | 13   | 1   | 1         | 13                                  | 35  | 36      | 48      | 49      | 52      | 3       | 4       | 1       | 1       | 0.43    | 1.4  | 0.8 |    |
| 32032X/Q          | 32                        | 58  | 17  | 42.5                    | 46.5     | 4.8  | 9000                | 11000          | 0.19        | 4CC    | 32                | 45.6 | 17  | 13   | 1   | 1         | 14                                  | 38  | 38      | 50      | 52      | 55      | 3       | 4       | 1       | 1       | 0.46    | 1.3  | 0.7 |    |
| 32008/38X/Q       | 38                        | 68  | 19  | 60                      | 71       | 7.65 | 7500                | 10000          | 0.28        | -      | 38                | 54.2 | 19  | 14.5 | 1   | 1         | 15                                  | 46  | 44      | 60      | 62      | 65      | 4       | 4.5     | 1       | 1       | 0.37    | 1.6  | 0.9 |    |
| 32008X/Q          | 40                        | 68  | 19  | 60                      | 71       | 7.65 | 7500                | 9500           | 0.27        | 3CD    | 40                | 54.2 | 19  | 14.5 | 1   | 1         | 15                                  | 46  | 46      | 60      | 62      | 65      | 4       | 4.5     | 1       | 1       | 0.37    | 1.6  | 0.9 |    |
| 32008XTN9/Q       | 40                        | 68  | 19  | 60                      | 71       | 7.65 | 7500                | 9500           | 0.27        | 3CD    | 40                | 54.2 | 19  | 14.5 | 1   | 1         | 15                                  | 46  | 46      | 60      | 62      | 65      | 4       | 4.5     | 1       | 1       | 0.37    | 1.6  | 0.9 |    |
| 33209/Q           | 45                        | 85  | 32  | 108                     | 143      | 16.3 | 5300                | 7500           | 0.82        | 3DE    | 45                | 85.2 | 32  | 25   | 1.5 | 1.5       | 22                                  | 52  | 52      | 72      | 78      | 81      | 5       | 7       | 1.5     | 1.5     | 0.4     | 1.5  | 0.8 |    |
| 32010X/Q          | 50                        | 80  | 20  | 69.5                    | 88       | 9.65 | 6300                | 8000           | 0.37        | 3CC    | 50                | 85.6 | 20  | 15.5 | 1   | 1         | 18                                  | 57  | 56      | 72      | 74      | 77      | 4       | 4.5     | 1       | 1       | 0.43    | 1.4  | 0.8 |    |
| 32010X/QCL7CVB026 | 50                        | 80  | 20  | 69.5                    | 88       | 9.65 | 6300                | 8000           | 0.37        | 3CC    | 50                | 85.6 | 20  | 15.5 | 3   | 1         | 18                                  | 57  | 62      | 72      | 74      | 77      | 4       | 4.5     | 2.5     | 1       | 0.43    | 1.4  | 0.8 |    |
| 32012X/QCL7C      | 60                        | 95  | 23  | 95                      | 122      | 13.4 | 5300                | 6700           | 0.59        | 4CC    | 60                | 77.8 | 23  | 17.5 | 1.5 | 1.5       | 21                                  | 67  | 67      | 85      | 88      | 91      | 4       | 5       | 1.5     | 1.5     | 0.43    | 1.4  | 0.8 |    |
| 32014X/Q          | 70                        | 110 | 25  | 116                     | 153      | 17.3 | 4500                | 5600           | 0.84        | 4CC    | 70                | 89.8 | 25  | 19   | 1.5 | 1.5       | 23                                  | 78  | 77      | 98      | 103     | 105     | 5       | 6       | 1.5     | 1.5     | 0.43    | 1.4  | 0.8 |    |
| 32015X/Q          | 75                        | 115 | 25  | 122                     | 163      | 18.6 | 4300                | 5300           | 0.90        | 4CC    | 75                | 95.1 | 25  | 19   | 1.5 | 1.5       | 25                                  | 83  | 82      | 103     | 108     | 110     | 5       | 6       | 1.5     | 1.5     | 0.46    | 1.3  | 0.7 |    |
| 32016X/Q          | 80                        | 125 | 29  | 138                     | 216      | 24.5 | 3600                | 5000           | 1.30        | 3CC    | 80                | 103  | 29  | 22   | 1.5 | 1.5       | 27                                  | 90  | 87      | 112     | 117     | 120     | 6       | 7       | 1.5     | 1.5     | 0.43    | 1.4  | 0.8 |    |
| 32018X/Q          | 90                        | 140 | 32  | 168                     | 270      | 31   | 3200                | 4300           | 1.75        | 3CC    | 90                | 115  | 32  | 24   | 2   | 1.5       | 30                                  | 100 | 98      | 125     | 132     | 134     | 6       | 8       | 2       | 1.5     | 0.43    | 1.4  | 0.8 |    |
| 32019X/Q          | 95                        | 145 | 32  | 168                     | 270      | 30.5 | 3200                | 4300           | 1.80        | 4CC    | 95                | 120  | 32  | 24   | 2   | 1.5       | 31                                  | 105 | 104     | 130     | 138     | 139     | 6       | 8       | 2       | 1.5     | 0.44    | 1.35 | 0.8 |    |
| 32021X/Q          | 105                       | 160 | 35  | 201                     | 335      | 37.5 | 2800                | 3800           | 2.40        | 4DC    | 105               | 132  | 35  | 26   | 2.5 | 2         | 34                                  | 116 | 116     | 143     | 150     | 154     | 6       | 9       | 2       | 2       | 0.44    | 1.35 | 0.8 |    |
| 32022X/Q          | 110                       | 170 | 38  | 233                     | 390      | 42.5 | 2600                | 3600           | 3.05        | 4DC    | 110               | 140  | 38  | 29   | 2.5 | 2         | 36                                  | 123 | 121     | 152     | 160     | 163     | 7       | 9       | 2       | 2       | 0.43    | 1.4  | 0.8 |    |
| 32021X/Q          | 105                       | 160 | 35  | 201                     | 335      | 37.5 | 2800                | 3800           | 2.40        | 4DC    | 105               | 132  | 35  | 26   | 2.5 | 2         | 34                                  | 116 | 116     | 143     | 150     | 154     | 6       | 9       | 2       | 2       | 0.44    | 1.35 | 0.8 |    |
| 32022X/Q          | 110                       | 170 | 38  | 233                     | 390      | 42.5 | 2600                | 3600           | 3.05        | 4DC    | 110               | 140  | 38  | 29   | 2.5 | 2         | 36                                  | 123 | 121     | 152     | 160     | 163     | 7       | 9       | 2       | 2       | 0.43    | 1.4  | 0.8 |    |
| 32024X            | 120                       | 180 | 38  | 242                     | 415      | 44   | 2400                | 3400           | 3.25        | 4DC    | 120               | 150  | 38  | 29   | 2.5 | 2         | 39                                  | 132 | 131     | 161     | 170     | 173     | 7       | 9       | 2       | 2       | 0.46    | 1.3  | 0.7 |    |
| 32026X            | 130                       | 200 | 45  | 314                     | 540      | 55   | 2200                | 3000           | 4.95        | 4EC    | 130               | 165  | 45  | 34   | 2.5 | 2         | 42                                  | 144 | 142     | 178     | 190     | 192     | 7       | 11      | 2       | 2       | 0.43    | 1.4  | 0.8 |    |
| 32028X            | 140                       | 210 | 45  | 330                     | 585      | 58.5 | 2200                | 2800           | 5.25        | 4DC    | 140               | 175  | 45  | 34   | 2.5 | 2         | 46                                  | 153 | 152     | 187     | 200     | 202     | 7       | 11      | 2       | 2       | 0.46    | 1.3  | 0.7 |    |
| 32030X            | 150                       | 225 | 48  | 369                     | 655      | 65.5 | 2000                | 2600           | 6.35        | 4EC    | 150               | 187  | 48  | 36   | 3   | 2.5       | 49                                  | 164 | 164     | 200     | 213     | 216     | 8       | 12      | 2.5     | 2       | 0.46    | 1.3  | 0.7 |    |
| 32032X            | 160                       | 240 | 51  | 429                     | 780      | 78   | 1800                | 2400           | 7.75        | 4EC    | 160               | 200  | 51  | 38   | 3   | 2.5       | 52                                  | 175 | 174     | 213     | 228     | 231     | 8       | 13      | 2.5     | 2       | 0.46    | 1.3  | 0.7 |    |
| 32034X            | 170                       | 260 | 57  | 512                     | 915      | 90   | 1700                | 2200           | 10.5        | 4EC    | 170               | 214  | 57  | 43   | 3   | 2.5       | 56                                  | 188 | 184     | 230     | 246     | 249     | 10      | 14      | 2.5     | 2       | 0.44    | 1.35 | 0.8 |    |
| 32036X            | 180                       | 280 | 64  | 644                     | 1160     | 110  | 1600                | 2200           | 14.5        | 3FD    | 180               | 229  | 64  | 48   | 3   | 2.5       | 59                                  | 199 | 194     | 247     | 266     | 267     | 10      | 16      | 2.5     | 2       | 0.43    | 1.4  | 0.8 |    |
| 32038X            | 190                       | 290 | 64  | 660                     | 1200     | 112  | 1500                | 2000           | 15.0        | 4FD    | 190               | 240  | 64  | 48   | 3   | 2.5       | 62                                  | 210 | 204     | 257     | 276     | 279     | 10      | 16      | 2.5     | 2       | 0.44    | 1.35 | 0.8 |    |
| 32040X            | 200                       | 310 | 70  | 748                     | 1370     | 127  | 1400                | 1900           | 19.5        | 4FD    | 200               | 254  | 70  | 53   | 3   | 2.5       | 66                                  | 222 | 214     | 273     | 296     | 297     | 11      | 17      | 2.5     | 2       | 0.43    | 1.4  | 0.8 |    |
| 32044X            | 220                       | 340 | 76  | 897                     | 1660     | 150  | 1300                | 1700           | 25.5        | 4FD    | 220               | 279  | 76  | 57   | 4   | 3         | 72                                  | 244 | 236     | 300     | 325     | 326     | 12      | 19      | 3       | 2.5     | 0.43    | 1.4  | 0.8 |    |
| 32048X            | 240                       | 360 | 76  | 935                     | 1800     | 160  | 1200                | 1600           | 27.5        | 4FD    | 240               | 299  | 76  | 57   | 4   | 3         | 78                                  | 262 | 256     | 318     | 345     | 346     | 12      | 19      | 3       | 2.5     | 0.46    | 1.3  | 0.7 |    |
| 32052X            | 260                       | 400 | 87  | 1170                    | 2200     | 190  | 1100                | 1400           | 40.0        | 4FC    | 260               | 328  | 87  | 65   | 5   | 4         | 84                                  | 287 | 282     | 352     | 383     | 383     | 13      | 22      | 4       | 3       | 0.43    | 1.4  | 0.8 |    |
| 32056X            | 280                       | 420 | 87  | 1210                    | 2360     | 200  | 1000                | 1300           | 40.5        | 4FC    | 280               | 348  | 87  | 65   | 5   | 4         | 89                                  | 305 | 302     | 370     | 400     | 402     | 14      | 22      | 4       | 3       | 0.46    | 1.3  | 0.7 |    |
| 32060X            | 300                       | 460 | 100 | 1540                    | 3000     | 250  | 900                 | 1200           | 58.0        | 4GD    | 300               | 377  | 100 | 74   | 5   | 4         | 97                                  | 330 | 322     | 404     | 440     | 439     | 15      | 26      | 4       | 3       | 0.43    | 1.4  | 0.8 |    |
| 32064X            | 320                       | 480 | 100 | 1540                    | 3100     | 255  | 850                 | 1100           | 64.0        | 4GD    | 320               | 399  | 100 | 74   | 5   | 4         | 103                                 | 350 | 342     | 424     | 460     | 461     | 15      | 26      | 4       | 3       | 0.46    | 1.3  | 0.7 |    |