Tapered Roller Bearing

32300 Series

| Designation | Principal dimensions（mm） | | | Basic load ratings （KN） | | Pu | Speed ratings（rpm） | | Weight(Kg) | ISO355 | 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 |
| 32303J2/Q | 17 | 47 | 20.25 | 40 | 33.5 | 3.65 | 12000 | 16000 | 0.17 | 2FD | 17 | 30.7 | 19 | 16 | 1 | 1 | 12 | 24 | 23 | 39 | 41 | 43 | 3 | 4 | 1 | 1 | 0.28 | 2.1 | 1.1 |
| 32304J2/Q | 20 | 52 | 22.25 | 51 | 45.5 | 5 | 12000 | 14000 | 0.23 | 2FD | 20 | 34.5 | 21 | 18 | 1.5 | 1.5 | 14 | 27 | 27 | 43 | 45 | 47 | 3 | 4 | 1.5 | 1.5 | 0.3 | 2 | 1.1 |
| 32305J2 | 25 | 62 | 25.25 | 60.5 | 63 | 7.1 | 8000 | 12000 | 0.36 | 2FD | 25 | 41.7 | 24 | 20 | 1.5 | 1.5 | 15 | 33 | 32 | 52 | 55 | 57 | 3 | 5 | 1.5 | 1.5 | 0.3 | 2 | 1.1 |
| 32306J2/Q | 30 | 72 | 28.75 | 88 | 85 | 9.65 | 7500 | 10000 | 0.55 | 2FD | 30 | 48.7 | 27 | 23 | 1.5 | 1.5 | 18 | 39 | 37 | 59 | 65 | 66 | 3 | 5.5 | 1.5 | 1.5 | 0.31 | 1.9 | 1.1 |
| 32307J2/Q | 35 | 80 | 32.75 | 95.2 | 106 | 12.2 | 6700 | 9000 | 0.73 | 2FE | 35 | 54.8 | 31 | 25 | 2 | 1.5 | 20 | 44 | 44 | 66 | 71 | 74 | 4 | 7.5 | 2 | 1.5 | 0.31 | 1.9 | 1.1 |
| 32307BJ2/Q | 35 | 80 | 32.75 | 93.5 | 114 | 13.2 | 6300 | 8500 | 0.80 | 5FE | 35 | 59.3 | 31 | 25 | 2 | 1.5 | 24 | 42 | 44 | 61 | 71 | 76 | 4 | 7.5 | 2 | 1.5 | 0.54 | 1.1 | 0.6 |
| 32307 | 37 | 80 | 32.75 | 93.5 | 114 | 13.2 | 6300 | 8500 | 0.85 | - | 37 | 54.8 | 31 | 25 | 2 | 1.5 | 20 | 44 | 44 | 66 | 71 | 74 | 4 | 7.5 | 2 | 1.5 | 0.54 | 1.1 | 0.6 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/37BJ2/Q | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32308J2/Q | 40 | 90 | 35.25 | 117 | 140 | 16 | 5300 | 8000 | 1.00 | 2FD | 40 | 62.9 | 33 | 27 | 2 | 1.5 | 23 | 51 | 49 | 73 | 81 | 82 | 3 | 8 | 2 | 1.5 | 0.35 | 1.7 | 0.9 |
| 32309J2/Q | 45 | 100 | 38.25 | 140 | 170 | 20.4 | 4800 | 7000 | 1.35 | 2FD | 45 | 70.4 | 36 | 30 | 2 | 1.5 | 25 | 57 | 53 | 82 | 91 | 93 | 4 | 8 | 2 | 1.5 | 0.35 | 1.7 | 0.9 |
| 32309BJ2/QCL7C | 45 | 100 | 38.25 | 156 | 176 | 20 | 5000 | 6700 | 1.45 | 5FD | 45 | 74.8 | 36 | 30 | 2 | 1.5 | 30 | 55 | 53 | 76 | 91 | 94 | 5 | 8 | 2 | 1.5 | 0.54 | 1.1 | 0.6 |
| 32310J2/Q | 50 | 110 | 42.25 | 172 | 212 | 24 | 4300 | 6300 | 1.80 | 2FD | 50 | 77.7 | 40 | 33 | 2.5 | 2 | 27 | 63 | 60 | 90 | 100 | 102 | 5 | 9 | 2 | 2 | 0.35 | 1.7 | 0.9 |
| 32310TN9 | 50 | 110 | 42.25 | 172 | 212 | 24 | 4300 | 6300 | 1.80 | 2FD | 50 | 77.7 | 40 | 33 | 2.5 | 2 | 27 | 63 | 60 | 90 | 100 | 102 | 5 | 9 | 2 | 2 | 0.35 | 1.7 | 0.9 |
| 32310BJ2/QCL7C | 50 | 110 | 42.25 | 183 | 216 | 24.5 | 4500 | 6000 | 1.85 | 5FD | 50 | 82.9 | 40 | 33 | 2.5 | 2 | 34 | 62 | 60 | 83 | 100 | 103 | 5 | 9 | 2 | 2 | 0.54 | 1.1 | 0.6 |
| 32311J2 | 55 | 120 | 45.5 | 198 | 250 | 28.5 | 4000 | 5600 | 2.30 | 2FD | 55 | 84.6 | 43 | 35 | 2.5 | 2 | 29 | 68 | 65 | 99 | 112 | 111 | 5 | 10.5 | 2 | 2 | 0.35 | 1.7 | 0.9 |
| 32311BJ2/QCL7C | 55 | 120 | 45.5 | 216 | 260 | 30 | 4300 | 5600 | 2.50 | 5FD | 55 | 90.5 | 43 | 35 | 2.5 | 2 | 36 | 67 | 65 | 91 | 112 | 112 | 5 | 10.5 | 2 | 2 | 0.54 | 1.1 | 0.6 |
| 32312J2/Q | 60 | 130 | 48.5 | 229 | 290 | 34 | 3600 | 5300 | 2.85 | 2FD | 60 | 91.7 | 46 | 37 | 3 | 2.5 | 31 | 74 | 72 | 107 | 118 | 120 | 6 | 11.5 | 2.5 | 2 | 0.35 | 1.7 | 0.9 |
| 32312BJ2/QCL7C | 60 | 130 | 48.5 | 255 | 305 | 35.5 | 3800 | 5000 | 2.80 | 5FD | 60 | 98.1 | 46 | 37 | 3 | 2.5 | 38 | 73 | 72 | 99 | 118 | 122 | 6 | 11.5 | 2.5 | 2 | 0.54 | 1.1 | 0.6 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32313J2/Q | 65 | 140 | 51 | 264 | 335 | 40 | 3400 | 4800 | 3.45 | 2GD | 65 | 99.2 | 48 | 39 | 3 | 2.5 | 33 | 80 | 77 | 117 | 128 | 130 | 6 | 12 | 2.5 | 2 | 0.35 | 1.7 | 0.9 |
| 32313BJ2/QU4CL7CVQ267 | 65 | 140 | 51 | 285 | 345 | 40.5 | 3600 | 4800 | 3.35 | 5GD | 65 | 105 | 48 | 39 | 3 | 2.5 | 41 | 79 | 77 | 107 | 128 | 131 | 6 | 12 | 2.5 | 2 | 0.54 | 1.1 | 0.6 |
| 32314J2/Q | 70 | 150 | 54 | 297 | 380 | 45 | 3200 | 4500 | 4.30 | 2GD | 70 | 106 | 51 | 42 | 3 | 2.5 | 36 | 86 | 82 | 125 | 138 | 140 | 6 | 12 | 2.5 | 2 | 0.35 | 1.7 | 0.9 |

| Designation | Principal dimensions（mm） | | | Basic load ratings （KN） | | Pu | Speed ratings（rpm） | | Weight(Kg) | ISO3035 | 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 |
| 32314BJ2/QCL7C | 70 | 150 | 54 | 325 | 400 | 46.5 | 3400 | 4300 | 4.25 | 5GD | 70 | 113 | 51 | 42 | 3 | 2.5 | 44 | 85 | 82 | 115 | 138 | 141 | 7 | 12 | 2.5 | 2 | 0.54 | 1.1 | 0.6 |
| 32315J2 | 75 | 160 | 58 | 336 | 440 | 51 | 3000 | 4300 | 5.20 | 2GD | 75 | 113 | 55 | 45 | 3 | 2.5 | 38 | 92 | 87 | 133 | 148 | 149 | 7 | 13 | 2.5 | 2 | 0.35 | 1.7 | 0.9 |
| 32315BJ2/QCL7C | 75 | 160 | 58 | 380 | 475 | 55 | 3200 | 4000 | 5.55 | 5GD | 75 | 120 | 55 | 45 | 3 | 2.5 | 46 | 90 | 87 | 124 | 148 | 151 | 7 | 13 | 2.5 | 2 | 0.54 | 1.1 | 0.6 |
| 32316J2 | 80 | 170 | 61.5 | 380 | 500 | 57 | 3000 | 4300 | 6.20 | 2GD | 80 | 120 | 58 | 48 | 3 | 2.5 | 41 | 98 | 92 | 142 | 158 | 159 | 7 | 13.5 | 2.5 | 2 | 0.35 | 1.7 | 0.9 |
| 32317J2 | 85 | 180 | 63.5 | 402 | 530 | 60 | 2800 | 4000 | 6.85 | 2GD | 85 | 126 | 60 | 49 | 4 | 3 | 42 | 103 | 99 | 150 | 166 | 167 | 7 | 14.5 | 3 | 2.5 | 0.35 | 1.7 | 0.9 |
| 32317BJ2 | 85 | 180 | 63.5 | 391 | 560 | 62 | 2800 | 4000 | 7.50 | 5GD | 85 | 135 | 60 | 49 | 4 | 3 | 52 | 102 | 99 | 138 | 166 | 169 | 7 | 14.5 | 3 | 2.5 | 0.54 | 1.1 | 0.6 |
| 32318J2 | 90 | 190 | 67.5 | 457 | 610 | 67 | 2600 | 4000 | 8.40 | 2GD | 90 | 133 | 64 | 53 | 4 | 3 | 44 | 109 | 105 | 157 | 176 | 177 | 7 | 14.5 | 3 | 2.5 | 0.35 | 1.7 | 0.9 |
| 32319J2 | 95 | 200 | 71.5 | 501 | 670 | 72 | 2400 | 3400 | 11.0 | 2GD | 95 | 141 | 67 | 55 | 4 | 3 | 47 | 115 | 110 | 166 | 186 | 186 | 8 | 16.5 | 3 | 2.5 | 0.35 | 1.7 | 0.9 |
| 32320J2 | 100 | 215 | 77.5 | 572 | 780 | 83 | 2200 | 3000 | 12.5 | 2GD | 100 | 151 | 73 | 60 | 4 | 3 | 51 | 123 | 115 | 177 | 201 | 200 | 8 | 17.5 | 3 | 2.5 | 0.35 | 1.7 | 0.9 |
| 32321J2 | 105 | 225 | 81.5 | 605 | 815 | 85 | 2000 | 3000 | 14.5 | 2GD | 105 | 158 | 77 | 63 | 4 | 3 | 53 | 129 | 120 | 185 | 211 | 209 | 9 | 18.5 | 3 | 2.5 | 0.35 | 1.7 | 0.9 |
| 32322 | 110 | 240 | 84.5 | 627 | 830 | 86.5 | 1900 | 2800 | 17.0 | 2GD | 110 | 168 | 80 | 65 | 4 | 3 | 55 | 137 | 125 | 198 | 226 | 222 | 9 | 19.5 | 3 | 2.5 | 0.35 | 1.7 | 0.9 |
| 32 | 12 | 26 | 90. | 79 | 11 | 11 | 18 | 26 | 21. | 2G | 12 | 18 | 86 | 69 | 4 | 3 | 60 | 14 | 13 | 21 | 24 | 23 | 9 | 21. | 3 | 2.5 | 0.3 | 1.7 | 0.9 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32<br>4J2 | 0 | 0 | 5 | 2 | 20 | 0 | 00 | 00 | 5 | D | 0 | 1 | | | | | | 8 | 5 | 3 | 5 | 9 | | 5 | | | 5 | | |