

# 25 to 30 mm

| Designation | Boundary dimensions d | D | B | Balls $d_m$ | $D_W$ | Z | Dimensions $d_1$ | $d_2$ | $D_1$ | $D_2$ | $r_{1,2}$ | $r_{3,4}$ | Abutment dimensions $r_{a\,max}$ | $r_{b\,max}$ | $d_{a,\,b\,min}$ | $D_{a,\,b\,max}$ | $d_T$ | Weight m | Contact angle $\alpha_0$ | Load rating C | $C_0$ | $C_{0\,HY}$ | Speed value $n_{oil}$ | $n_{grease}$ | Preload/axial rigidity L $F_v$ | L $C_{ax}$ | M $F_v$ | M $C_{ax}$ | S $F_v$ | S $C_{ax}$ | Spring preload $F_f$ | Designation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25 mm** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **25 mm** |
| S 61805 C TA | 25 | 37 | 7 | 31.0 | 3.175 | 19 | 28.9 | | 33.1 | 34.1 | 0.3 | 0.3 | 0.3 | 0.15 | 28.0 | 34.0 | 29.9 | 0.021 | 15 | 3650 | 2750 | 1930 | 55000 | 41000 | 19 | 21 | 55 | 33 | 110 | 46 | 95 | S 61805 C TA |
| S 61805 E TA | 25 | 37 | 7 | 31.0 | 3.175 | 19 | 28.9 | | 33.1 | 34.1 | 0.3 | 0.3 | 0.3 | 0.15 | 28.0 | 34.0 | 29.9 | 0.021 | 25 | 3450 | 2600 | 1830 | 47000 | 35000 | 30 | 51 | 90 | 76 | 170 | 98 | 130 | S 61805 E TA |
| S 61905 C TA | 25 | 42 | 9 | 33.5 | 4.762 | 17 | 30.6 | | 37.4 | 38.7 | 0.3 | 0.3 | 0.3 | 0.15 | 28.0 | 38.5 | 32.4 | 0.041 | 15 | 7700 | 5400 | 3800 | 50000 | 37000 | 40 | 29 | 120 | 48 | 240 | 67 | 200 | S 61905 C TA |
| S 61905 E TA | 25 | 42 | 9 | 33.5 | 4.762 | 17 | 30.6 | | 37.4 | 38.7 | 0.3 | 0.3 | 0.3 | 0.15 | 28.0 | 38.5 | 32.4 | 0.041 | 25 | 7300 | 5100 | 3600 | 43000 | 32000 | 60 | 70 | 180 | 105 | 360 | 138 | 265 | S 61905 E TA |
| SM 61905 C TA | 25 | 42 | 9 | 33.5 | 4.762 | 17 | 30.6 | | 37.4 | 38.7 | 0.3 | 0.3 | 0.3 | 0.15 | 28.0 | 38.5 | 32.4 | 0.041 | 15 | 5800 | 3150 | 2200 | 59000 | 44000 | 30 | 23 | 90 | 36 | 180 | 49 | 175 | SM 61905 C TA |
| KH 61905 C TA | 25 | 42 | 9 | 33.5 | 3.969 | 19 | 30.6 | 30 | 37.2 | 38.5 | 0.3 | 0.3 | 0.3 | 0.15 | 28.0 | 38.5 | 32.1 | 0.041 | 17 | 4250 | 2330 | 1640 | 63000 | 47000 | 22 | 25 | 65 | 38 | 130 | 51 | 155 | KH 61905 C TA |
| KH 61905 E TA | 25 | 42 | 9 | 33.5 | 3.969 | 19 | 30.6 | 30 | 37.2 | 38.5 | 0.3 | 0.3 | 0.3 | 0.15 | 28.0 | 38.5 | 32.1 | 0.041 | 25 | 4100 | 2220 | 1560 | 57000 | 43000 | 35 | 52 | 100 | 76 | 200 | 99 | 195 | KH 61905 E TA |
| S 6005 C TA | 25 | 47 | 12 | 36.0 | 6.35 | 15 | 32.2 | | 40.1 | 42.3 | 0.6 | 0.3 | 0.6 | 0.3 | 30.0 | 42.0 | 34.3 | 0.076 | 15 | 13400 | 9200 | 6500 | 47000 | 35000 | 70 | 38 | 200 | 65 | 400 | 95 | 345 | S 6005 C TA |
| S 6005 E TA | 25 | 47 | 12 | 36.0 | 6.35 | 15 | 32.2 | | 40.1 | 42.3 | 0.6 | 0.3 | 0.6 | 0.3 | 30.0 | 42.0 | 34.3 | 0.076 | 25 | 12700 | 8800 | 6200 | 40000 | 30000 | 110 | 88 | 320 | 135 | 640 | 180 | 465 | S 6005 E TA |
| SM 6005 C TA | 25 | 47 | 12 | 36.0 | 6.35 | 15 | 32.2 | | 40.1 | 42.3 | 0.6 | 0.3 | 0.6 | 0.3 | 30.0 | 42.0 | 34.3 | 0.076 | 15 | 9200 | 4700 | 3300 | 55000 | 41000 | 50 | 28 | 140 | 43 | 280 | 59 | 280 | SM 6005 C TA |
| KH 6005 C TA | 25 | 47 | 12 | 36.0 | 5.556 | 17 | 32.2 | 30.9 | 42.0 | 43.6 | 0.6 | 0.3 | 0.6 | 0.3 | 30.0 | 42.0 | 34.2 | 0.076 | 17 | 7400 | 3900 | 2750 | 59000 | 44000 | 35 | 30 | 110 | 47 | 220 | 63 | 265 | KH 6005 C TA |
| KH 6005 E TA | 25 | 47 | 12 | 36.0 | 5.556 | 17 | 32.2 | 30.9 | 42.0 | 43.6 | 0.6 | 0.3 | 0.6 | 0.3 | 30.0 | 42.0 | 34.2 | 0.076 | 25 | 7100 | 3750 | 2650 | 53000 | 40000 | 60 | 65 | 180 | 96 | 360 | 125 | 340 | KH 6005 E TA |
| S 6205 C TA | 25 | 52 | 15 | 38.5 | 7.938 | 13 | 34.0 | | 44.1 | 46.9 | 1.0 | 0.6 | 1.0 | 0.6 | 31.0 | 46.0 | 36.8 | 0.128 | 15 | 19000 | 12600 | 8900 | 44000 | 33000 | 100 | 45 | 300 | 77 | 600 | 112 | 485 | S 6205 C TA |
| S 6205 E TA | 25 | 52 | 15 | 38.5 | 7.938 | 13 | 34.0 | | 44.1 | 46.9 | 1.0 | 0.6 | 1.0 | 0.6 | 31.0 | 46.0 | 36.8 | 0.128 | 25 | 18200 | 12000 | 8400 | 37000 | 27500 | 150 | 104 | 450 | 159 | 900 | 216 | 660 | S 6205 E TA |
| **30 mm** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **30 mm** |
| S 61806 C TA | 30 | 42 | 7 | 36.0 | 3.175 | 22 | 34.1 | | 38.3 | 39.3 | 0.3 | 0.3 | 0.3 | 0.15 | 33.0 | 39.0 | 35.1 | 0.025 | 15 | 3850 | 3250 | 2280 | 47000 | 35000 | 20 | 24 | 60 | 37 | 120 | 52 | 100 | S 61806 C TA |
| S 61806 E TA | 30 | 42 | 7 | 36.0 | 3.175 | 22 | 34.1 | | 38.3 | 39.3 | 0.3 | 0.3 | 0.3 | 0.15 | 33.0 | 39.0 | 35.1 | 0.025 | 25 | 3650 | 3100 | 2150 | 40000 | 30000 | 30 | 56 | 90 | 76 | 180 | 109 | 135 | S 61806 E TA |
| S 61906 C TA | 30 | 47 | 9 | 38.5 | 4.762 | 18 | 35.1 | | 41.9 | 43.2 | 0.3 | 0.3 | 0.3 | 0.15 | 33.0 | 43.5 | 36.8 | 0.047 | 15 | 7800 | 5850 | 4100 | 44000 | 33000 | 40 | 30 | 120 | 50 | 240 | 69 | 200 | S 61906 C TA |
| S 61906 E TA | 30 | 47 | 9 | 38.5 | 4.762 | 18 | 35.1 | | 41.9 | 43.2 | 0.3 | 0.3 | 0.3 | 0.15 | 33.0 | 43.5 | 36.8 | 0.047 | 25 | 7400 | 5550 | 3900 | 38000 | 28500 | 60 | 72 | 190 | 111 | 380 | 146 | 270 | S 61906 E TA |
| SM 61906 C TA | 30 | 47 | 9 | 38.5 | 4.762 | 18 | 35.1 | | 41.9 | 43.2 | 0.3 | 0.3 | 0.3 | 0.15 | 33.0 | 43.5 | 36.8 | 0.047 | 15 | 5950 | 3400 | 2380 | 52000 | 39000 | 30 | 24 | 90 | 37 | 180 | 50 | 180 | SM 61906 C TA |
| KH 61906 C TA | 30 | 47 | 9 | 38.5 | 3.969 | 22 | 35.1 | 35 | 41.7 | 43.0 | 0.3 | 0.3 | 0.3 | 0.15 | 33.0 | 43.5 | 36.5 | 0.047 | 17 | 4650 | 2750 | 1930 | 55000 | 41000 | 23 | 28 | 70 | 43 | 140 | 57 | 170 | KH 61906 C TA |
| KH 61906 E TA | 30 | 47 | 9 | 38.5 | 3.969 | 22 | 35.1 | 35 | 41.7 | 43.0 | 0.3 | 0.3 | 0.3 | 0.15 | 33.0 | 43.5 | 36.5 | 0.047 | 25 | 4400 | 2650 | 1840 | 50000 | 37000 | 35 | 58 | 110 | 87 | 220 | 112 | 210 | KH 61906 E TA |
| S 6006 C TA | 30 | 55 | 13 | 42.5 | 7.144 | 16 | 38.1 | | 47.0 | 49.5 | 1.0 | 0.6 | 1.0 | 0.3 | 36.0 | 49.0 | 40.5 | 0.112 | 15 | 16500 | 11900 | 8400 | 40000 | 30000 | 85 | 43 | 250 | 72 | 500 | 105 | 425 | S 6006 C TA |
| S 6006 E TA | 30 | 55 | 13 | 42.5 | 7.144 | 16 | 38.1 | | 47.0 | 49.5 | 1.0 | 0.6 | 1.0 | 0.3 | 36.0 | 49.0 | 40.5 | 0.112 | 25 | 15700 | 11400 | 8000 | 34000 | 25500 | 130 | 98 | 400 | 150 | 800 | 205 | 570 | S 6006 E TA |
| SM 6006 C TA | 30 | 55 | 13 | 42.5 | 7.144 | 16 | 38.1 | | 47.0 | 49.5 | 1.0 | 0.6 | 1.0 | 0.3 | 36.0 | 49.0 | 40.5 | 0.112 | 15 | 11900 | 6450 | 4550 | 47000 | 35000 | 60 | 32 | 180 | 50 | 360 | 69 | 360 | SM 6006 C TA |
| KH 6006 C TA | 30 | 55 | 13 | 42.5 | 5.556 | 20 | 38.1 | 37 | 47.9 | 49.5 | 1.0 | 0.6 | 1.0 | 0.3 | 36.0 | 49.0 | 40.1 | 0.112 | 17 | 8200 | 4700 | 3350 | 50000 | 37000 | 40 | 35 | 120 | 54 | 250 | 73 | 295 | KH 6006 C TA |
| KH 6006 E TA | 30 | 55 | 13 | 42.5 | 5.556 | 20 | 38.1 | 37 | 47.9 | 49.5 | 1.0 | 0.6 | 1.0 | 0.3 | 36.0 | 49.0 | 40.1 | 0.112 | 25 | 7800 | 4500 | 3200 | 46000 | 34000 | 65 | 74 | 200 | 111 | 390 | 143 | 375 | KH 6006 E TA |
| S 6206 C TA | 30 | 62 | 16 | 46.0 | 9.525 | 13 | 40.4 | | 52.1 | 55.4 | 1.0 | 0.6 | 1.0 | 0.6 | 36.0 | 55.0 | 43.6 | 0.199 | 15 | 25000 | 16700 | 11800 | 37000 | 27500 | 130 | 49 | 380 | 82 | 760 | 117 | 640 | S 6206 C TA |
| S 6206 E TA | 30 | 62 | 16 | 46.0 | 9.525 | 13 | 40.4 | | 52.1 | 55.4 | 1.0 | 0.6 | 1.0 | 0.6 | 36.0 | 55.0 | 43.6 | 0.199 | 25 | 24000 | 16100 | 11300 | 32000 | 24000 | 200 | 117 | 600 | 177 | 1200 | 239 | 880 | S 6206 E TA |