

# 35 to 40 mm

| Designation | Boundary dimensions | | | Balls | | | Dimensions | | | | | | Abutment dimensions | | | | | Weight | Contact angle | Load rating | | | Speed value | | Preload/axial rigidity | | | | | | Spring preload | Designation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | d | D | B | $d_m$ | $D_W$ | Z | $d_1$ | $d_2$ | $D_1$ | $D_2$ | $r_{1,2}$ | $r_{3,4}$ | $r_{a\,max}$ | $r_{b\,max}$ | $d_{a,\,b\,min}$ | $D_{a,\,b\,max}$ | $d_T$ | m | $\alpha_0$ | C | $C_0$ | $C_{0\,HY}$ | $n_{oil}$ | $n_{grease}$ | $F_v$ | $C_{ax}$ | $F_v$ | $C_{ax}$ | $F_v$ | $C_{ax}$ | $F_f$ | |
| | | | | | | | | | | | | | | | | | | | | | | | | | L | | M | | S | | | |
| **35 mm** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **35 mm** |
| S 61807 C TA | 35 | 47 | 7 | 41.0 | 3.175 | 24 | 38.9 | | 43.1 | 44.1 | 0.3 | 0.3 | 0.3 | 0.15 | 38.0 | 44.0 | 39.9 | 0.028 | 15 | 3950 | 3600 | 2550 | 41000 | 31000 | 20 | 25 | 60 | 39 | 120 | 54 | 105 | S 61807 C TA |
| S 61807 E TA | 35 | 47 | 7 | 41.0 | 3.175 | 24 | 38.9 | | 43.1 | 44.1 | 0.3 | 0.3 | 0.3 | 0.15 | 38.0 | 44.0 | 39.9 | 0.028 | 25 | 3750 | 3400 | 2370 | 35000 | 26000 | 30 | 58 | 90 | 93 | 190 | 118 | 140 | S 61807 E TA |
| S 61907 C TA | 35 | 55 | 10 | 45.0 | 5.556 | 18 | 41.4 | | 48.6 | 50.4 | 0.6 | 0.3 | 0.6 | 0.15 | 40.0 | 50.5 | 43.3 | 0.075 | 15 | 10900 | 8700 | 6100 | 38000 | 28500 | 55 | 37 | 165 | 61 | 330 | 86 | 280 | S 61907 C TA |
| S 61907 E TA | 35 | 55 | 10 | 45.0 | 5.556 | 18 | 41.4 | | 48.6 | 50.4 | 0.6 | 0.3 | 0.6 | 0.15 | 40.0 | 50.5 | 43.3 | 0.075 | 25 | 10300 | 8200 | 5750 | 32000 | 24000 | 90 | 91 | 260 | 135 | 520 | 177 | 375 | S 61907 E TA |
| SM 61907 C TA | 35 | 55 | 10 | 45.0 | 5.556 | 18 | 41.4 | | 48.6 | 50.4 | 0.6 | 0.3 | 0.6 | 0.15 | 40.0 | 50.5 | 43.3 | 0.075 | 17 | 8000 | 4750 | 3350 | 44000 | 33000 | 40 | 34 | 120 | 52 | 240 | 69 | 275 | SM 61907 C TA |
| KH 61907 C TA | 35 | 55 | 10 | 45.0 | 3.969 | 26 | 41.4 | 40.8 | 48.1 | 49.4 | 0.6 | 0.3 | 0.6 | 0.15 | 40.0 | 50.5 | 43.0 | 0.075 | 17 | 5050 | 3300 | 2320 | 47000 | 35000 | 25 | 32 | 80 | 50 | 150 | 64 | 185 | KH 61907 C TA |
| KH 61907 E TA | 35 | 55 | 10 | 45.0 | 3.969 | 26 | 41.4 | 40.8 | 48.1 | 49.4 | 0.6 | 0.3 | 0.6 | 0.15 | 40.0 | 50.5 | 43.0 | 0.075 | 25 | 4800 | 3150 | 2210 | 43000 | 32000 | 40 | 67 | 120 | 99 | 240 | 129 | 230 | KH 61907 E TA |
| S 6007 C TA | 35 | 62 | 14 | 48.5 | 7.938 | 16 | 43.2 | | 53.1 | 56.3 | 1.0 | 0.6 | 1.0 | 0.3 | 41.0 | 56.0 | 46.1 | 0.149 | 15 | 20600 | 15500 | 10900 | 35000 | 26000 | 100 | 50 | 300 | 84 | 600 | 120 | 530 | S 6007 C TA |
| S 6007 E TA | 35 | 62 | 14 | 48.5 | 7.938 | 16 | 43.2 | | 53.1 | 56.3 | 1.0 | 0.6 | 1.0 | 0.3 | 41.0 | 56.0 | 46.1 | 0.149 | 25 | 19600 | 14800 | 10400 | 30000 | 22500 | 170 | 118 | 500 | 180 | 1000 | 245 | 715 | S 6007 E TA |
| SM 6007 C TA | 35 | 62 | 14 | 48.5 | 7.938 | 16 | 43.2 | | 53.1 | 56.3 | 1.0 | 0.6 | 1.0 | 0.3 | 41.0 | 56.0 | 46.1 | 0.149 | 15 | 14300 | 8000 | 5650 | 41000 | 31000 | 70 | 37 | 210 | 57 | 420 | 77 | 430 | SM 6007 C TA |
| KH 6007 C TA | 35 | 62 | 14 | 48.5 | 6.35 | 20 | 43.2 | 41.5 | 53.6 | 56.0 | 1.0 | 0.6 | 1.0 | 0.3 | 41.0 | 56.0 | 45.5 | 0.149 | 17 | 10400 | 6150 | 4350 | 44000 | 33000 | 50 | 40 | 160 | 62 | 320 | 82 | 375 | KH 6007 C TA |
| KH 6007 E TA | 35 | 62 | 14 | 48.5 | 6.35 | 20 | 43.2 | 41.5 | 53.6 | 56.0 | 1.0 | 0.6 | 1.0 | 0.3 | 41.0 | 56.0 | 45.5 | 0.149 | 25 | 10000 | 5900 | 4150 | 40000 | 30000 | 80 | 83 | 250 | 125 | 500 | 162 | 480 | KH 6007 E TA |
| S 6207 C TA | 35 | 72 | 17 | 53.5 | 11.112 | 13 | 47.4 | | 60.6 | 64.5 | 1.1 | 0.6 | 1.0 | 0.6 | 43.0 | 64.0 | 50.9 | 0.290 | 15 | 35000 | 24300 | 17100 | 32000 | 24000 | 180 | 60 | 530 | 102 | 1000 | 142 | 900 | S 6207 C TA |
| S 6207 E TA | 35 | 72 | 17 | 53.5 | 11.112 | 13 | 47.4 | | 60.6 | 64.5 | 1.1 | 0.6 | 1.0 | 0.6 | 43.0 | 64.0 | 50.9 | 0.290 | 25 | 33500 | 23200 | 16300 | 27000 | 20000 | 280 | 142 | 840 | 217 | 1700 | 296 | 1220 | S 6207 E TA |
| **40 mm** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **40 mm** |
| S 61808 C TA | 40 | 52 | 7 | 46.0 | 3.175 | 26 | 43.9 | | 48.1 | 49.1 | 0.3 | 0.3 | 0.3 | 0.15 | 43.0 | 49.0 | 44.9 | 0.031 | 15 | 4050 | 3950 | 2750 | 37000 | 27500 | 21 | 27 | 60 | 41 | 120 | 57 | 105 | S 61808 C TA |
| S 61808 E TA | 40 | 52 | 7 | 46.0 | 3.175 | 26 | 43.9 | | 48.1 | 49.1 | 0.3 | 0.3 | 0.3 | 0.15 | 43.0 | 49.0 | 44.9 | 0.031 | 25 | 3800 | 3700 | 2600 | 32000 | 24000 | 30 | 62 | 100 | 97 | 190 | 124 | 140 | S 61808 E TA |
| S 61908 C TA | 40 | 62 | 12 | 51.0 | 6.35 | 19 | 46.8 | | 55.2 | 57.2 | 0.6 | 0.3 | 0.6 | 0.15 | 45.0 | 57.5 | 49.0 | 0.109 | 15 | 14900 | 12700 | 9000 | 33000 | 24500 | 75 | 46 | 230 | 77 | 460 | 109 | 380 | S 61908 C TA |
| S 61908 E TA | 40 | 62 | 12 | 51.0 | 6.35 | 19 | 46.8 | | 55.2 | 57.2 | 0.6 | 0.3 | 0.6 | 0.15 | 45.0 | 57.5 | 49.0 | 0.109 | 25 | 14100 | 12100 | 8500 | 28500 | 21500 | 120 | 111 | 360 | 168 | 720 | 225 | 515 | S 61908 E TA |
| SM 61908 C TA | 40 | 62 | 12 | 51.0 | 6.35 | 19 | 46.8 | | 55.2 | 57.2 | 0.6 | 0.3 | 0.6 | 0.15 | 45.0 | 57.5 | 49.0 | 0.109 | 17 | 10400 | 6350 | 4500 | 39000 | 29000 | 55 | 41 | 160 | 62 | 320 | 83 | 355 | SM 61908 C TA |
| KH 61908 C TA | 40 | 62 | 12 | 51.0 | 4.762 | 25 | 46.8 | 45.3 | 55.2 | 56.7 | 0.6 | 0.3 | 0.6 | 0.15 | 45.0 | 57.5 | 48.3 | 0.109 | 17 | 6850 | 4550 | 3200 | 42000 | 31000 | 35 | 37 | 100 | 55 | 210 | 75 | 245 | KH 61908 C TA |
| KH 61908 E TA | 40 | 62 | 12 | 51.0 | 4.762 | 25 | 46.8 | 45.3 | 55.2 | 56.7 | 0.6 | 0.3 | 0.6 | 0.15 | 45.0 | 57.5 | 48.3 | 0.109 | 25 | 6550 | 4300 | 3050 | 38000 | 28500 | 55 | 77 | 160 | 113 | 330 | 148 | 315 | KH 61908 E TA |
| S 6008 C TA | 40 | 68 | 15 | 54.0 | 7.938 | 18 | 49.2 | | 59.0 | 61.8 | 1.0 | 0.6 | 1.0 | 0.3 | 46.0 | 62.0 | 51.8 | 0.185 | 15 | 22000 | 17900 | 12600 | 31500 | 23500 | 110 | 53 | 330 | 91 | 660 | 130 | 565 | S 6008 C TA |
| S 6008 E TA | 40 | 68 | 15 | 54.0 | 7.938 | 18 | 49.2 | | 59.0 | 61.8 | 1.0 | 0.6 | 1.0 | 0.3 | 46.0 | 62.0 | 51.8 | 0.185 | 25 | 20900 | 17100 | 12000 | 27000 | 20000 | 180 | 125 | 530 | 190 | 1100 | 265 | 760 | S 6008 E TA |
| SM 6008 C TA | 40 | 68 | 15 | 54.0 | 7.938 | 18 | 49.2 | | 59.0 | 61.8 | 1.0 | 0.6 | 1.0 | 0.3 | 46.0 | 62.0 | 51.8 | 0.185 | 15 | 15400 | 9300 | 6500 | 37000 | 27500 | 80 | 40 | 230 | 61 | 460 | 83 | 465 | SM 6008 C TA |
| KH 6008 C TA | 40 | 68 | 15 | 54.0 | 6.35 | 22 | 49.2 | 47.5 | 60.2 | 62.6 | 1.0 | 0.6 | 1.0 | 0.3 | 46.0 | 62.0 | 51.4 | 0.185 | 17 | 10900 | 6900 | 4850 | 39000 | 29000 | 55 | 44 | 160 | 65 | 330 | 88 | 390 | KH 6008 C TA |
| KH 6008 E TA | 40 | 68 | 15 | 54.0 | 6.35 | 22 | 49.2 | 47.5 | 60.2 | 62.6 | 1.0 | 0.6 | 1.0 | 0.3 | 46.0 | 62.0 | 51.4 | 0.185 | 25 | 10500 | 6550 | 4650 | 36000 | 27000 | 90 | 92 | 260 | 135 | 520 | 175 | 500 | KH 6008 E TA |
| S 6208 C TA | 40 | 80 | 18 | 60.0 | 11.906 | 13 | 52.8 | | 67.6 | 71.8 | 1.1 | 0.6 | 1.0 | 0.6 | 48.0 | 72.0 | 56.9 | 0.368 | 15 | 36500 | 25500 | 17900 | 28500 | 21500 | 185 | 58 | 560 | 98 | 1100 | 137 | 940 | S 6208 C TA |
| S 6208 E TA | 40 | 80 | 18 | 60.0 | 11.906 | 13 | 52.8 | | 67.6 | 71.8 | 1.1 | 0.6 | 1.0 | 0.6 | 48.0 | 72.0 | 56.9 | 0.368 | 25 | 35000 | 24400 | 17200 | 24000 | 18000 | 300 | 142 | 900 | 215 | 1800 | 288 | 1270 | S 6208 E TA |