



Unit: mm

| SCREW SIZE | | BALL DIA. | EFFECTIVE TURNS | BASIC RATE LOAD (kgf) | | NUT | | FLANGE | | | | | FIT | BOLT | | | OIL HOLE | STIFFNESS kgf/μm |
|------------|-------|-----------|-----------------|---|--------------|-----|------|--------|----|----|----|----|-----|------|-----|-------|----------|---------------------|
| O.D. | LEAD | | | Dynamic (1×10 ⁶ REV.) Ca | Static Co | Dg6 | L | A | T | W | G | H | S | X | Y | Z | Q | |
| 14 | 3 | 2 | 3 | 260 | 460 | 26 | 37 | 46 | 10 | 36 | - | - | 10 | 4.5 | 8 | 4.5 | M6×1P | 13 |
| | 4 | 2.381 | 3 | 420 | 805 | 26 | 42 | 46 | 10 | 36 | 20 | 40 | 10 | 4.5 | 8 | 4.5 | M6×1P | 14 |
| | | 2.778 | 4 | 840 | 47 | | 21 | | | | | | | | | | | |
| 5 | 3.175 | 3 | 720 | 1010 | 26 | 42 | 46 | 10 | 36 | 20 | 40 | 10 | 4.5 | 8 | 4.5 | M6×1P | 16 | |
| 16 | 4 | 2.381 | 3 | 435 | 920 | 28 | 42 | 48.5 | 10 | 39 | 20 | 40 | 10 | 4.5 | 8 | 4.5 | M6×1P | 16 |
| | 5 | 3.175 | 3 | 765 | 1240 | 30 | 42 | 49 | 10 | 39 | 20 | 40 | 10 | 4.5 | 8 | 4.5 | M6×1P | 18 |
| | | | 4 | 980 | 1650 | | 49 | 49 | 10 | 39 | 20 | 40 | 10 | 4.5 | 8 | 4.5 | | 23 |
| 6 | 3.175 | 4 | 980 | 1650 | 30 | 55 | 54 | 12 | 40 | 20 | 40 | 12 | 5.5 | 9.5 | 5.5 | M6×1P | 23 | |
| 20 | 4 | 2.381 | 4 | 600 | 1530 | 34 | 44 | 60 | 12 | 48 | 22 | 44 | 12 | 5.5 | 9.5 | 5.5 | M6×1P | 25 |
| | 5 | 3.175 | 3 | 860 | 1710 | 34 | 47 | 57 | 12 | 45 | 20 | 40 | 12 | 5.5 | 9.5 | 5.5 | M6×1P | 21 |
| | | | 4 | 1100 | 2280 | | 53 | | | | | | | | | | | 28 |
| | | | 6 | 1560 | 3420 | | 62 | | | | | | | | | | | 42 |
| | 6 | 3.969 | 3 | 1080 | 2050 | 34 | 53 | 57 | 12 | 45 | 20 | 40 | 12 | 5.5 | 9.5 | 5.5 | M6×1P | 22 |
| 4 | | | 1380 | 2730 | 61 | | 28 | | | | | | | | | | | |
| 10 | 3.175 | 3 | 860 | 1710 | 36 | 66 | 57 | 12 | 45 | 20 | 40 | 12 | 5.5 | 9.5 | 5.5 | M6×1P | 21 | |
| 25 | 4 | 2.381 | 3 | 500 | 1440 | 40 | 40 | 63 | 12 | 51 | 22 | 44 | 15 | 5.5 | 9.5 | 5.5 | M8×1P | 23 |
| | 5 | 3.175 | 3 | 980 | 2300 | 40 | 47 | 63.5 | 12 | 51 | 22 | 44 | 15 | 5.5 | 9.5 | 5.5 | M8×1P | 26 |
| | | | 4 | 1250 | 3070 | | 53 | | | | | | | | | | | 33 |
| | | | 5 | 1520 | 3830 | | 57 | | | | | | | | | | | 42 |
| | 6 | 3.969 | 3 | 1275 | 2740 | 40 | 53 | 63.5 | 12 | 51 | 22 | 44 | 15 | 5.5 | 9.5 | 5.5 | M8×1P | 26 |
| | | | 4 | 1630 | 3650 | | 61 | | | | | | | | | | | 34 |
| | 8 | 3.969 | 4 | 1630 | 3650 | 40 | 69 | 63.5 | 12 | 51 | 22 | 44 | 15 | 5.5 | 9.5 | 5.5 | M8×1P | 34 |
| | | | 5 | 1970 | 4560 | | 77 | | | | | | | | | | | 43 |
| 10 | 3.175 | 3 | 980 | 2300 | 38 | 70 | 68 | 15 | 55 | 26 | 52 | 15 | 6.6 | 11 | 6.5 | M8×1P | 26 | |
| | | 4 | 1250 | 3070 | | 81 | | | | | | | | | | | 33 | |
| | | 3 | 1620 | 3205 | | 80 | | | | | | | | | | | 27 | |
| 10 | 4.762 | 4 | 2070 | 4270 | 42 | 85 | 68.5 | 15 | 55 | 26 | 52 | 15 | 6.6 | 11 | 6.5 | M8×1P | 35 | |
| | | 5 | 2510 | 5340 | | 91 | | | | | | | | | | | 44 | |
| | | 3 | 1620 | 3205 | | 80 | | | | | | | | | | | 27 | |
| 28 | 6 | 3.175 | 3 | 1030 | 2630 | 43 | 50 | 68 | 12 | 55 | 26 | 52 | 15 | 6.6 | 11 | 6.5 | M8×1P | 28 |
| | 10 | 3.175 | 4 | 1320 | 3510 | 45 | 77 | 73 | 12 | 60 | 30 | 60 | 15 | 6.6 | 11 | 6.5 | M8×1P | 37 |

Unit: mm

| SCREW SIZE | | BALL DIA. | EFFECTIVE TURNS | BASIC RATE LOAD (kgf) | | NUT | | FLANGE | | | | | FIT | BOLT | | | OIL HOLE | STIFFNESS kgf/μm | |
|------------|-------|-----------|-----------------|---|--------------|------|-----|--------|------|----|----|----|-----|------|------|-------|----------|---------------------|----|
| O.D. | LEAD | | | Dynamic (1×10 ⁶ REV.) Ca | Static Co | Dg6 | L | A | T | W | G | H | S | X | Y | Z | Q | | |
| 32 | 4 | 2.381 | 3 | 560 | 1840 | 43 | 40 | 68 | 15 | 55 | 26 | 52 | 15 | 6.6 | 11 | 6.5 | M8×1P | 28 | |
| | | | 5 | 870 | 3070 | | 49 | | | | | | | | | | | 45 | |
| | 5 | 3.175 | 3 | 1095 | 3060 | 48 | 47 | 73.5 | 12 | 60 | 30 | 60 | 15 | 6.6 | 11 | 6.5 | M8×1P | 31 | |
| | | | 4 | 1400 | 4080 | | 53 | | | | | | | | | | | 41 | |
| | 6 | 3.969 | 3.969 | 3 | 1500 | 3750 | 48 | 53 | 73.5 | 12 | 60 | 30 | 60 | 15 | 6.6 | 11 | 6.5 | M8×1P | 60 |
| | | | | 4 | 1920 | 5000 | | 61 | | | | | | | | | | | 43 |
| 8 | 4.762 | 4.762 | 3 | 1820 | 4230 | 50 | 68 | 83 | 16 | 66 | 32 | 64 | 15 | 6.6 | 11 | 6.5 | M8×1P | 63 | |
| | | | 4 | 2330 | 5640 | | 77 | | | | | | | | | | | 43 | |
| 10 | 6.35 | 6.35 | 3 | 2605 | 5310 | 54 | 80 | 88 | 16 | 70 | 34 | 68 | 15 | 9 | 14 | 8.5 | M8×1P | 32 | |
| | | | 4 | 3340 | 7080 | | 90 | | | | | | | | | | | 45 | |
| 12 | 6.35 | 6.35 | 3 | 2605 | 5310 | 54 | 86 | 88 | 16 | 70 | 34 | 68 | 15 | 9 | 14 | 8.5 | M8×1P | 33 | |
| | | | 4 | 3340 | 7080 | | 90 | | | | | | | | | | | 45 | |
| 36 | 5 | 3.175 | 4 | 1490 | 4690 | 52 | 56 | 88 | 16 | 70 | 34 | 68 | 15 | 9 | 14 | 8.5 | M8×1P | 46 | |
| | 8 | 4.762 | 4 | 2530 | 6630 | 55 | 73 | 88 | 16 | 72 | 29 | 58 | 15 | 9 | 14 | 8.5 | M8×1P | 48 | |
| | 10 | 6.35 | 3 | 2810 | 6210 | 58 | 78 | 98 | 18 | 77 | 36 | 72 | 20 | 11 | 17.5 | 11 | M8×1P | 37 | |
| 4 | | | 3600 | 8280 | 89 | | 49 | | | | | | | | | | | | |
| 40 | 5 | 3.175 | 4 | 1575 | 5290 | 55 | 56 | 88.5 | 16 | 72 | 29 | 58 | 15 | 9 | 14 | 8.5 | M8×1P | 49 | |
| | | | 5 | 1910 | 6610 | | 61 | | | | | | | | | | | 61 | |
| | | | 6 | 2230 | 7940 | | 65 | | | | | | | | | | | 73 | |
| | 6 | 3.969 | 3 | 1660 | 4810 | 55 | 56 | 88.5 | 16 | 72 | 34 | 68 | 15 | 9 | 14 | 8.5 | M8×1P | 39 | |
| | | | 4 | 2130 | 6410 | | 65 | | | | | | | | | | | 51 | |
| | | | 6 | 3020 | 9620 | | 77 | | | | | | | | | | | 75 | |
| 8 | 4.762 | 3 | 2120 | 5720 | 60 | 64 | 93 | 16 | 76 | 36 | 72 | 20 | 9 | 14 | 8.5 | M8×1P | 40 | | |
| | | 4 | 2720 | 7620 | | 77 | | | | | | | | | | | 52 | | |
| | | 6 | 3850 | 11430 | | 94 | | | | | | | | | | | 77 | | |
| 10 | 6.35 | 3 | 3010 | 7100 | 64 | 83 | 106 | 18 | 84 | 43 | 86 | 20 | 11 | 17.5 | 11 | M8×1P | 41 | | |
| | | 4 | 3850 | 9470 | | 93 | | | | | | | | | | | 53 | | |
| | | 5 | 4670 | 11830 | | 99 | | | | | | | | | | | 67 | | |
| 12 | 6.35 | 3 | 3010 | 7100 | 63 | 82 | 106 | 18 | 84 | 43 | 86 | 20 | 11 | 17.5 | 11 | M8×1P | 41 | | |
| | | 4 | 3850 | 9470 | | 100 | | | | | | | | | | | 53 | | |
| | | 5 | 4670 | 11830 | | 108 | | | | | | | | | | | 67 | | |
| | 7.144 | 3 | 4010 | 9250 | 70 | 93 | 110 | 18 | 85 | 45 | 90 | 20 | 11 | 17.5 | 11 | M8×1P | 43 | | |
| 4 | | 5130 | 12330 | 103 | | 56 | | | | | | | | | | | | | |

Unit: mm

| SCREW SIZE | | BALL DIA. | EFFECTIVE TURNS | BASIC RATE LOAD (kgf) | | NUT | | FLANGE | | | | | FIT | BOLT | | | OIL HOLE | STIFFNESS kgf/mm |
|------------|-------|-----------|-----------------|---|--------------|-----|-----|--------|----|----|----|----|-----|------|------|--------|----------|---------------------|
| O.D. | LEAD | | | Dynamic (1×10 ⁶ REV.) Ca | Static Co | Dg6 | L | A | T | W | G | H | S | X | Y | Z | Q | |
| 45 | 8 | 4.762 | 4 | 2870 | 8620 | 64 | 72 | 92 | 16 | 75 | 36 | 72 | 15 | 9 | 14.5 | 9 | M6×1P | 54 |
| | 12 | 7.144 | 3 | 4160 | 10750 | 70 | 86 | 110 | 16 | 90 | 42 | 84 | 20 | 11 | 17.5 | 11 | PT1/8" | 48 |
| | | | 4 | 5330 | 14330 | | 99 | | | | | | | | | | | 62 |
| 16 | 6.35 | 3 | 3220 | 8200 | 70 | 102 | 110 | 16 | 90 | 42 | 84 | 20 | 11 | 17.5 | 11 | PT1/8" | 45 | |
| 50 | 5 | 3.175 | 4 | 1730 | 6760 | 66 | 55 | 98 | 16 | 82 | 36 | 72 | 20 | 9 | 14 | 8.5 | PT1/8" | 60 |
| | | | 5 | 2100 | 8450 | | 61 | | | | | | | | | | | 74 |
| | | | 6 | 2450 | 10140 | | 65 | | | | | | | | | | | 86 |
| | 6 | 3.969 | 4 | 2380 | 8250 | 66 | 65 | 98 | 16 | 82 | 36 | 72 | 20 | 9 | 14 | 8.5 | PT1/8" | 61 |
| | | | 5 | 2880 | 10310 | | 64 | | | | | | | | | | | 76 |
| | | | 6 | 3370 | 12380 | | 77 | | | | | | | | | | | 90 |
| | 8 | 4.762 | 4 | 3010 | 9610 | 70 | 79 | 113 | 18 | 90 | 42 | 84 | 20 | 11 | 17.5 | 11 | PT1/8" | 63 |
| | | | 5 | 3650 | 12010 | | 84 | | | | | | | | | | | 77 |
| | | | 6 | 4260 | 14420 | | 96 | | | | | | | | | | | 92 |
| | 10 | 6.35 | 3 | 3430 | 9300 | 74 | 83 | 116 | 18 | 94 | 42 | 84 | 20 | 11 | 17.5 | 11 | M8×1P | 49 |
| | | | 4 | 4390 | 12400 | | 93 | | | | | | | | | | | 65 |
| | | | 5 | 5320 | 15500 | | 99 | | | | | | | | | | | 80 |
| | | | 6 | 6220 | 18600 | | 114 | | | | | | | | | | | 95 |
| | 12 | 7.144 | 4 | 5520 | 16330 | 75 | 104 | 121 | 22 | 97 | 47 | 94 | 20 | 14 | 20 | 13 | PT1/8" | 67 |
| | | | 5 | 6690 | 20410 | | 117 | | | | | | | | | | | 84 |
| 12 | 7.938 | 3 | 4510 | 11150 | 75 | 99 | 121 | 22 | 97 | 47 | 94 | 20 | 14 | 20 | 13 | PT1/8" | 50 | |
| | | 4 | 5770 | 14870 | | 111 | | | | | | | | | | | 60 | |
| 16 | 6.35 | 3 | 3430 | 9300 | 74 | 104 | 116 | 18 | 94 | 42 | 84 | 20 | 11 | 17.5 | 11 | PT1/8" | 49 | |
| 20 | 7.938 | 3 | 4510 | 11150 | 78 | 146 | 121 | 28 | 97 | 47 | 94 | 20 | 14 | 20 | 13 | PT1/8" | 50 | |

Unit: mm

| SCREW SIZE | | BALL DIA. | EFFECTIVE TURNS | BASIC RATE LOAD (kgf) | | NUT | | FLANGE | | | | | FIT | BOLT | | | OIL HOLE | STIFFNESS kgf/mm | |
|------------|-------|-----------|-----------------|-------------------------------------|-----------|-----|-----|--------|-----|-----|-----|-----|-----|------|------|--------|----------|------------------|-----|
| O.D. | LEAD | | | Dynamic (1×10 ⁶ REV.) Ca | Static Co | Dg6 | L | A | T | W | G | H | S | X | Y | Z | Q | | |
| 63 | 6 | 3.969 | 4 | 2610 | 10550 | 80 | 67 | 122 | 18 | 100 | 45 | 90 | 20 | 11 | 17.5 | 11 | PT1/8" | 73 | |
| | | | 6 | 3700 | 15830 | | 80 | | | | | | | | | | | 107 | |
| | 8 | 4.762 | 4 | 3375 | 12200 | 82 | 80 | 124 | 18 | 102 | 46 | 92 | 20 | 11 | 17.5 | 11 | PT1/8" | 76 | |
| | | | 6 | 4780 | 18300 | | 96 | | | | | | | | | | | 111 | |
| | 10 | 6.35 | 4 | 5020 | 16450 | 85 | 98 | 132 | 22 | 107 | 48 | 96 | 20 | 14 | 20 | 13 | PT1/8" | 79 | |
| 6 | | | 7110 | 24680 | 118 | | 116 | | | | | | | | | | | | |
| 12 | 7.938 | 4 | 6580 | 19430 | 90 | 111 | 136 | 22 | 112 | 52 | 104 | 20 | 14 | 20 | 13 | PT1/8" | 80 | | |
| | | 6 | 9320 | 29150 | | 136 | | | | | | | | | | | 111 | | |
| 20 | 9.525 | 3 | 8490 | 23610 | 95 | 146 | 153 | 28 | 123 | 59 | 118 | 20 | 18 | 26 | 17.5 | PT1/8" | 79 | | |
| | | 4 | 10870 | 31480 | | 156 | | | | | | | | | | | 89 | | |
| 80 | 10 | 6.35 | 4 | 5510 | 21200 | 105 | 98 | 151 | 22 | 127 | 57 | 114 | 20 | 14 | 20 | 13 | PT1/8" | 95 | |
| | | | 5 | 6670 | 26500 | | 105 | | | | | | | | | | | 118 | |
| | | | 6 | 7810 | 31800 | | 118 | | | | | | | | | | | 140 | |
| | 12 | 7.938 | 4 | 7500 | 25700 | 110 | 111 | 156 | 22 | 132 | 59 | 118 | 20 | 14 | 20 | 13 | PT1/8" | 98 | |
| 6 | | | 10620 | 38550 | 136 | | 143 | | | | | | | | | | | | |
| 20 | 9.525 | 3 | 9770 | 31700 | 115 | 146 | 173 | 28 | 143 | 66 | 132 | 20 | 18 | 26 | 17.5 | PT1/8" | 97 | | |
| | | 4 | 12510 | 42270 | | 168 | | | | | | | | | | | 127 | | |
| 100 | 10 | 6.35 | 3 | 4760 | 20090 | 125 | 84 | 171 | 22 | 147 | 67 | 134 | 25 | 14 | 20 | 13 | PT1/8" | 91 | |
| | | | 4 | 6090 | 26790 | | 95 | | | | | | | | | | | 120 | |
| | | | 5 | 7380 | 33490 | | 104 | | | | | | | | | | | 148 | |
| | | | 6 | 8630 | 40190 | | 115 | | | | | | | | | | | 176 | |
| | 16 | 9.525 | 4 | 14440 | 54960 | 135 | 140 | 205 | 28 | 169 | 73 | 146 | 30 | 18 | 26 | 17.5 | PT1/8" | 140 | |
| | | | 5 | 17490 | 68700 | | 157 | | | | | | | | | | | 173 | |
| | 20 | 9.525 | 6 | 20460 | 82440 | 135 | 175 | 180 | 205 | 28 | 169 | 73 | 146 | 30 | 18 | 26 | 17.5 | PT1/8" | 205 |
| | | | 4 | 14440 | 54960 | | 159 | | | | | | | | | | | | 140 |
| 5 | | | 17490 | 68700 | 180 | | 173 | | | | | | | | | | | | |
| 6 | | | 20460 | 82440 | 200 | | 205 | | | | | | | | | | | | |