| Screw Thread | | | M1.6 | M2 | M2.5 | M3 | (M3.5) | M4 | M5 | M6 | (M7) | M8 | M10 | M12 | M14 | M16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| d | | | | | | | | | | | | | | | | |
| P | Pitch | | 0.35 | 0.4 | 0.45 | 0.5 | 0.6 | 0.7 | 0.8 | 1 | 1 | 1.25 | 1.5 | 1.75 | 2 | 2 |
| a | max | | 1.05 | 1.2 | 1.35 | 1.5 | 1.8 | 2.1 | 2.4 | 3 | 3 | 3.75 | 4.5 | 5.25 | 6 | 6 |
| c | min | | 0.1 | 0.1 | 0.1 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.2 |
| | max | | 0.25 | 0.25 | 0.25 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| $d_a$ | max | | 2 | 2.6 | 3.1 | 3.6 | 4.1 | 4.7 | 5.7 | 6.8 | 7.8 | 9.2 | 11.2 | 13.7 | 15.7 | 17.7 |
| $d_w$ | Grade A | min | 2.4 | 3.2 | 4.1 | 4.6 | 5.1 | 5.9 | 6.9 | 8.9 | 9.6 | 11.6 | 15.6 | 17.4 | 20.5 | 22.5 |
| | Grade B | min | - | - | - | - | - | 5.7 | 6.7 | 8.7 | 9.4 | 11.4 | 15.4 | 17.2 | 20.1 | 22 |
| e | Grade A | min | 3.41 | 4.32 | 5.45 | 6.01 | 6.58 | 7.66 | 8.79 | 11.05 | 12.12 | 14.38 | 18.9 | 21.1 | 24.49 | 26.75 |
| | Grade B | min | - | - | - | - | - | 7.5 | 8.63 | 10.89 | 11.94 | 14.2 | 18.72 | 20.88 | 23.91 | 26.17 |
| k | Nominal Size | | 1.1 | 1.4 | 1.7 | 2 | 2.4 | 2.8 | 3.5 | 4 | 4.8 | 5.3 | 6.4 | 7.5 | 8.8 | 10 |
| | Grade A | min | 0.98 | 1.28 | 1.58 | 1.88 | 2.28 | 2.68 | 3.35 | 3.85 | 4.65 | 5.15 | 6.22 | 7.32 | 8.62 | 9.82 |
| | | max | 1.22 | 1.52 | 1.82 | 2.12 | 2.52 | 2.92 | 3.65 | 4.15 | 4.95 | 5.45 | 6.56 | 7.68 | 8.98 | 10.18 |
| | Grade B | min | - | - | - | - | - | 2.6 | 3.26 | 3.76 | 4.56 | 5.06 | 6.11 | 7.21 | 8.51 | 9.71 |
| | | max | - | - | - | - | - | 3 | 3.74 | 4.24 | 5.04 | 5.54 | 6.69 | 7.79 | 9.09 | 10.29 |
| $k_1$ | min | | 0.7 | 0.9 | 1.1 | 1.3 | 1.6 | 1.9 | 2.28 | 2.63 | 3.19 | 3.54 | 4.28 | 5.05 | 5.96 | 6.8 |
| r | min | | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.25 | 0.25 | 0.4 | 0.4 | 0.6 | 0.6 | 0.6 |
| s | max=nominal size | | 3.2 | 4 | 5 | 5.5 | 6 | 7 | 8 | 10 | 11 | 13 | 17 | 19 | 22 | 24 |
| | Grade A | min | 3.02 | 3.82 | 4.82 | 5.32 | 5.82 | 6.78 | 7.78 | 9.78 | 10.73 | 12.73 | 16.73 | 18.67 | 21.67 | 23.67 |
| | Grade B | min | - | - | - | - | - | 6.64 | 7.64 | 9.64 | 10.57 | 12.57 | 16.57 | 18.48 | 21.16 | 23.16 |

| Screw Thread d | | | (M18) | M20 | (M22) | M24 | (M27) | M30 | (M33) | M36 | (M39) | M42 | (M45) | M48 | (M52) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | Pitch | | 2.5 | 2.5 | 2.5 | 3 | 3 | 3.5 | 3.5 | 4 | 4 | 4.5 | 4.5 | 5 | 5 |
| a | max | | 7.5 | 7.5 | 7.5 | 9 | 9 | 10.5 | 10.5 | 12 | 12 | 13.5 | 13.5 | 15 | 15 |
| c | min | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| | max | | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1 | 1 | 1 | 1 | 1 |
| $d_a$ | max | | 20.2 | 22.4 | 24.4 | 26.4 | 30.4 | 33.4 | 36.4 | 39.4 | 42.4 | 45.6 | 48.6 | 52.6 | 56.6 |
| $d_w$ | Grade A | min | 25.3 | 28.2 | 30 | 33.6 | - | - | - | - | - | - | - | - | - |
| | Grade B | min | 24.8 | 27.7 | 29.5 | 33.2 | 38 | 42.7 | 46.5 | 51.1 | 55.9 | 59.9 | 64.7 | 69.4 | 74.2 |
| e | Grade A | min | 30.14 | 33.53 | 35.72 | 39.98 | - | - | - | - | - | - | - | - | - |
| | Grade B | min | 29.56 | 32.95 | 35.03 | 39.55 | 45.2 | 50.85 | 55.37 | 60.79 | 66.44 | 71.3 | 76.95 | 82.6 | 88.25 |
| k | Nominal Size | | 11.5 | 12.5 | 14 | 15 | 17 | 18.7 | 21 | 22.5 | 25 | 26 | 28 | 30 | 33 |
| | Grade A | min | 11.28 | 12.28 | 13.78 | 14.78 | - | - | - | - | - | - | - | - | - |
| | | max | 11.72 | 12.72 | 14.22 | 15.22 | - | - | - | - | - | - | - | - | - |
| | Grade B | min | 11.15 | 12.15 | 13.65 | 14.65 | 16.65 | 18.28 | 20.58 | 22.08 | 24.58 | 25.58 | 27.58 | 29.58 | 32.5 |
| | | max | 11.85 | 12.85 | 14.35 | 15.35 | 17.35 | 19.12 | 21.42 | 22.92 | 25.42 | 26.42 | 28.42 | 30.42 | 33.5 |
| $k_1$ | min | | 7.8 | 8.5 | 9.6 | 10.3 | 11.7 | 12.8 | 14.4 | 15.5 | 17.2 | 17.9 | 19.3 | 20.9 | 22.8 |
| r | min | | 0.6 | 0.8 | 0.8 | 0.8 | 1 | 1 | 1 | 1 | 1 | 1.2 | 1.2 | 1.6 | 1.6 |
| s | max=nominal size | | 27 | 30 | 32 | 36 | 41 | 46 | 50 | 55 | 60 | 65 | 70 | 75 | 80 |
| | Grade A | min | 26.67 | 29.67 | 31.61 | 35.38 | - | - | - | - | - | - | - | - | - |
| | Grade B | min | 26.15 | 29.16 | 31 | 35 | 40 | 45 | 49 | 53.8 | 58.8 | 63.1 | 68.1 | 73.1 | 78.1 |