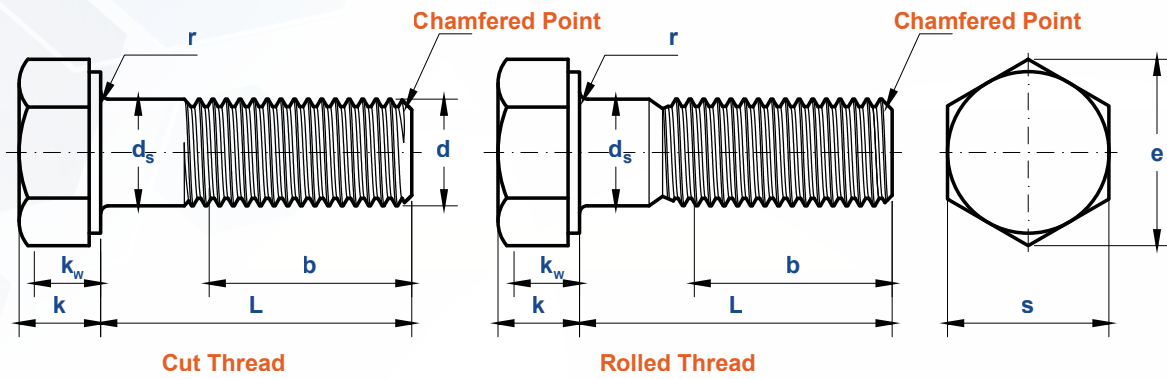




| Thread Size<br>d |            | 1/4   | 5/16   | 3/8   | 7/16   | 1/2   | 9/16   | 5/8   | 3/4   | 7/8    | 1     |
|------------------|------------|-------|--------|-------|--------|-------|--------|-------|-------|--------|-------|
| $d_s$            | max        | 0.25  | 0.3125 | 0.375 | 0.4375 | 0.5   | 0.5625 | 0.625 | 0.75  | 0.875  | 1     |
|                  | min        | 0.245 | 0.3065 | 0.369 | 0.4305 | 0.493 | 0.5545 | 0.617 | 0.741 | 0.866  | 0.99  |
| s                | Basic      | 7.16  | 1.2    | 9.16  | 5.8    | 3.4   | 13.16  | 15.16 | 1-1/8 | 1-5/16 | 1-1/2 |
|                  | max        | 0.438 | 0.5    | 0.562 | 0.625  | 0.75  | 0.812  | 0.938 | 1.125 | 1.312  | 1.5   |
|                  | min        | 0.428 | 0.489  | 0.551 | 0.612  | 0.736 | 0.798  | 0.922 | 1.1   | 1.285  | 1.469 |
| e                | max        | 0.505 | 0.577  | 0.65  | 0.722  | 0.866 | 0.938  | 1.083 | 1.299 | 1.516  | 1.732 |
|                  | min        | 0.488 | 0.557  | 0.628 | 0.698  | 0.84  | 0.91   | 1.051 | 1.254 | 1.465  | 1.675 |
| k                | Basic      | 5.32  | 13.64  | 15.64 | 9.32   | 5.16  | 23.64  | 25.64 | 15.32 | 35.64  | 39.64 |
|                  | max        | 0.163 | 0.211  | 0.243 | 0.291  | 0.323 | 0.371  | 0.403 | 0.483 | 0.563  | 0.627 |
|                  | min        | 0.15  | 0.195  | 0.226 | 0.272  | 0.302 | 0.348  | 0.378 | 0.455 | 0.531  | 0.591 |
| $k_w$            | min        | 0.106 | 0.14   | 0.16  | 0.195  | 0.215 | 0.25   | 0.269 | 0.324 | 0.378  | 0.416 |
| b                | $L \leq 6$ | 0.75  | 0.875  | 1     | 1.125  | 1.25  | 1.375  | 1.5   | 1.75  | 2      | 2.25  |
|                  | $L > 6$    | 1     | 1.125  | 1.25  | 1.375  | 1.5   | 1.625  | 1.75  | 2     | 2.25   | 2.5   |
| r                | max        | 0.025 | 0.025  | 0.025 | 0.025  | 0.025 | 0.045  | 0.045 | 0.045 | 0.065  | 0.095 |
|                  | min        | 0.015 | 0.015  | 0.015 | 0.015  | 0.015 | 0.020  | 0.020 | 0.020 | 0.040  | 0.060 |

| Thread Size<br>d |            | 1-1/8   | 1-1/4 | 1-3/8  | 1-1/2 | 1-3/4  | 2      | 2-1/4 | 2-1/2   | 2-3/4   | 3     |
|------------------|------------|---------|-------|--------|-------|--------|--------|-------|---------|---------|-------|
| $d_s$            | max        | 1.125   | 1.25  | 1.375  | 1.5   | 1.75   | 2      | 2.25  | 2.5     | 2.75    | 3     |
|                  | min        | 1.114   | 1.239 | 1.363  | 1.488 | 1.738  | 1.988  | 2.238 | 2.488   | 2.738   | 2.988 |
| s                | Basic      | 1-11/16 | 1-7/8 | 2-1/16 | 2-1/4 | 2-5/8  | 3      | 3-3/8 | 3-3/4   | 4-1/8   | 4-1/2 |
|                  | max        | 1.688   | 1.875 | 2.062  | 2.25  | 2.625  | 3      | 3.375 | 3.75    | 4.125   | 4.5   |
|                  | min        | 1.631   | 1.812 | 1.994  | 2.175 | 2.538  | 2.9    | 3.262 | 3.625   | 3.988   | 4.35  |
| e                | max        | 1.949   | 2.165 | 2.382  | 2.598 | 3.031  | 3.464  | 3.897 | 4.33    | 4.763   | 5.196 |
|                  | min        | 1.859   | 2.066 | 2.273  | 2.48  | 2.893  | 3.306  | 3.719 | 4.133   | 4.546   | 4.959 |
| k                | Basic      | 11.16   | 25.32 | 27.32  | 15.16 | 1-3/32 | 1-7/32 | 1-3/8 | 1-17/32 | 1-11/16 | 1-7/8 |
|                  | max        | 0.718   | 0.813 | 0.878  | 0.974 | 1.134  | 1.263  | 1.423 | 1.583   | 1.744   | 1.935 |
|                  | min        | 0.658   | 0.749 | 0.81   | 0.902 | 1.054  | 1.175  | 1.327 | 1.479   | 1.632   | 1.815 |
| $k_w$            | min        | 0.461   | 0.53  | 0.569  | 0.64  | 0.748  | 0.825  | 0.933 | 1.042   | 1.151   | 1.29  |
| b                | $L \leq 6$ | 2.5     | 2.75  | 3      | 3.25  | 3.75   | 4.25   | /     | /       | /       | /     |
|                  | $L > 6$    | 2.75    | 3     | 3.25   | 3.5   | 4      | 4.5    | 5     | 5.5     | 6       | 6.5   |
| r                | max        | 0.095   | 0.095 | 0.095  | 0.095 | 0.095  | 0.095  | 0.095 | 0.095   | 0.095   | 0.095 |
|                  | min        | 0.060   | 0.060 | 0.060  | 0.060 | 0.060  | 0.060  | 0.060 | 0.060   | 0.060   | 0.060 |