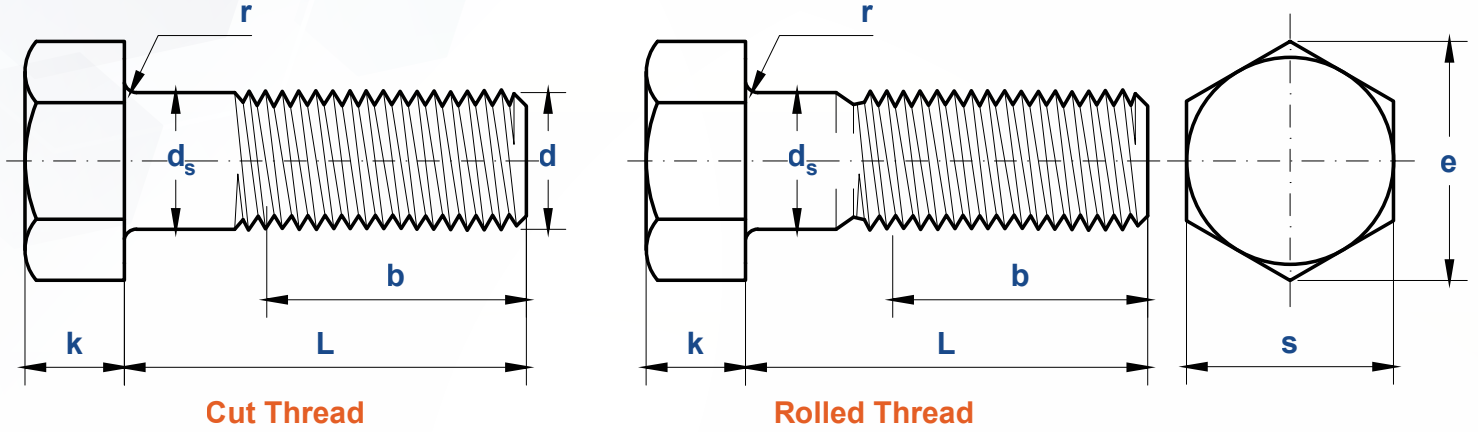
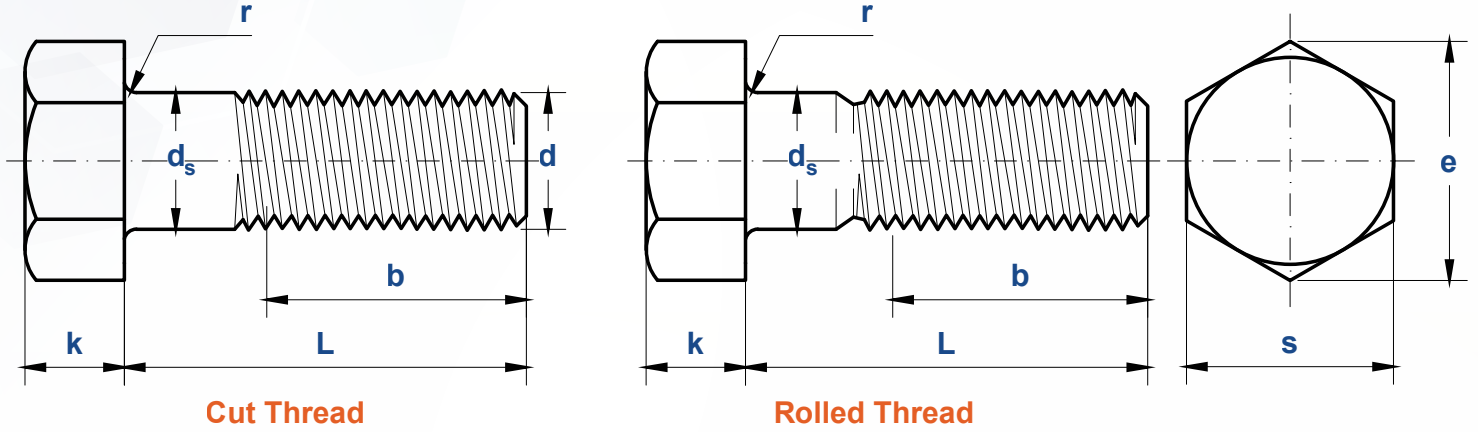




Thread Size d		3/8	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8
d		0.3750	0.5000	0.6250	0.7500	0.8750	1.0000	1.1250	1.2500	1.3750
PP	UNC	16	13	11	10	9	8	7	7	6
	UNF	24	20	18	16	14	12	12	12	12
	8-UN	-	-	-	-	-	-	8	8	8
d _s	max	0.388	0.515	0.642	0.768	0.895	1.022	1.149	1.277	1.404
	min	0.360	0.482	0.605	0.729	0.852	0.976	1.098	1.223	1.345
s	max	0.688	0.875	1.062	1.250	1.438	1.625	1.812	2.000	2.188
	min	0.669	0.850	1.031	1.212	1.394	1.575	1.756	1.938	2.119
e	max	0.794	1.010	1.227	1.443	1.660	1.876	2.093	2.309	2.526
	min	0.763	0.969	1.175	1.383	1.589	1.796	2.002	2.209	2.416
k	max	0.268	0.364	0.444	0.524	0.604	0.700	0.780	0.876	0.940
	min	0.226	0.302	0.378	0.455	0.531	0.591	0.658	0.749	0.810
r	max	0.030	0.030	0.060	0.060	0.060	0.090	0.090	0.090	0.090
	min	0.010	0.010	0.020	0.020	0.020	0.030	0.030	0.030	0.030
b	Ref.	L ≤ 6	1.000	1.250	1.500	1.750	2.000	2.250	2.500	3.000
		L > 6	1.250	1.500	1.750	2.000	2.250	2.500	2.750	3.250

①, All bolts of nominal lengths equal to or shorter than b plus a length equivalent to 2.5 times the thread pitch for sizes up to and including 1 in., and 3.5 times the thread pitch for sizes larger than 1 in. shall be threaded for full length. The unthreaded length under the head shall not exceed the length of 2.5 times the thread pitch for sizes up to and including 1 in., and 3.5 times the thread pitch for sizes larger than 1 in.

②, b is a reference dimension intended for calculation purposes only. When screw length $L \leq 6$ in., $b = 2d + 0.25$; when $L > 6$ in., $b = 2d + 0.5$.



Thread Size d		1-1/2	1-5/8	1-3/4	1-7/8	2	2-1/4	2-1/2	2-3/4	3
d		1.5000	1.6250	1.7500	1.8750	2.0000	2.2500	2.5000	2.7500	3.0000
PP	UNC	6	-	5	-	4-1/2	4-1/2	4	4	4
	UNF	12	-	-	-	-	-	-	-	-
	8-UN	8	8	8	8	8	8	8	8	8
d _s	max	1.531	1.658	1.785	1.912	2.039	2.305	2.559	2.827	3.081
	min	1.470	1.591	1.716	1.839	1.964	2.214	2.461	2.711	2.961
s	max	2.375	2.562	2.750	2.938	3.125	3.500	3.875	4.250	4.625
	min	2.300	2.481	2.662	2.844	3.025	3.388	3.750	4.112	4.475
e	max	2.742	2.959	3.175	3.392	3.608	4.041	4.474	4.907	5.340
	min	2.622	2.829	3.035	3.242	3.449	3.862	4.275	4.688	5.102
k	max	1.036	1.116	1.196	1.276	1.388	1.548	1.708	1.869	2.060
	min	0.902	0.978	1.054	1.130	1.175	1.327	1.479	1.632	1.815
r	max	0.090	0.090	0.120	0.120	0.120	0.190	0.190	0.190	0.190
	min	0.030	0.030	0.040	0.040	0.040	0.060	0.060	0.060	0.060
b	Ref.	L ≤ 6	3.250	3.500	3.750	4.000	4.250	4.750	5.250	5.750
		L > 6	3.500	3.750	4.000	4.250	4.500	5.000	5.500	6.000

①, All bolts of nominal lengths equal to or shorter than b plus a length equivalent to 2.5 times the thread pitch for sizes up to and including 1 in., and 3.5 times the thread pitch for sizes larger than 1 in. shall be threaded for full length. The unthreaded length under the head shall not exceed the length of 2.5 times the thread pitch for sizes up to and including 1 in., and 3.5 times the thread pitch for sizes larger than 1 in.

②, b is a reference dimension intended for calculation purposes only. When screw length $L \leq 6$ in., $b = 2d + 0.25$; when $L > 6$ in., $b = 2d + 0.5$.