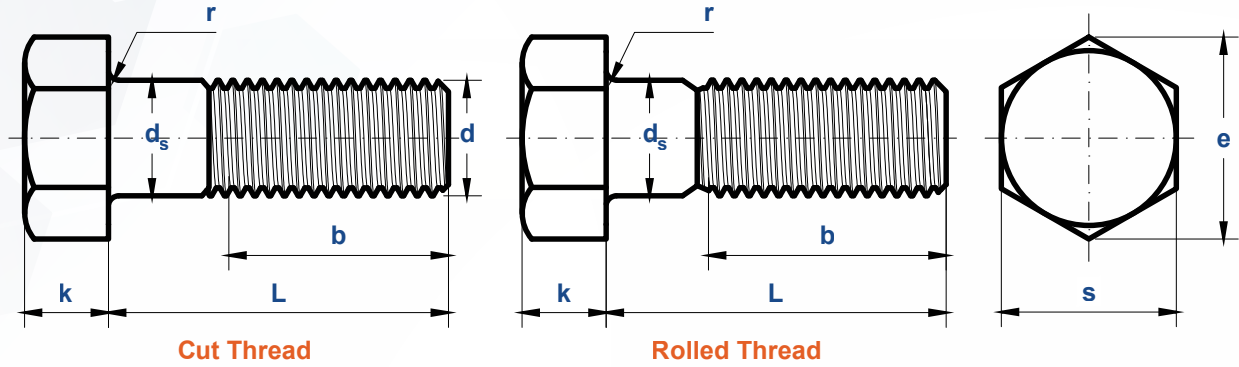




Cut Thread

Rolled Thread

Thread Size d		1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2
PP	UNC	20	18	16	14	13	11	10	9	8	7	7	6	6
	UNF	28	24	24	20	20	18	16	14	12	12	12	12	12
	8-UN	-	-	-	-	-	-	-	-	-	8	8	8	8
d _s	max	0.26	0.324	0.388	0.452	0.515	0.642	0.768	0.895	1.022	1.149	1.277	1.404	1.531
	min	0.237	0.298	0.36	0.421	0.482	0.605	0.729	0.852	0.976	1.098	1.223	1.345	1.47
s	max	0.438	0.5	0.562	0.625	0.75	0.938	1.125	1.312	1.5	1.688	1.875	2.062	2.25
	min	0.425	0.484	0.544	0.603	0.725	0.906	1.088	1.269	1.45	1.631	1.812	1.994	2.175
e	max	0.505	0.577	0.650	0.722	0.866	1.083	1.299	1.516	1.732	1.949	2.165	2.382	2.598
	min	0.484	0.552	0.620	0.687	0.826	1.033	1.240	1.447	1.653	1.859	2.066	2.273	2.480
k	max	0.188	0.235	0.268	0.316	0.364	0.444	0.524	0.604	0.7	0.78	0.876	0.94	1.036
	min	0.15	0.195	0.226	0.272	0.302	0.378	0.455	0.531	0.591	0.658	0.749	0.81	0.902
r	max	0.030	0.030	0.030	0.030	0.030	0.060	0.060	0.060	0.090	0.090	0.090	0.090	0.090
	min	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.030	0.030	0.030	0.030
b	Ref.	L ≤ 6	0.75	0.875	1	1.125	1.25	1.5	1.75	2	2.25	2.5	2.75	3
		L > 6	1	1.125	1.25	1.375	1.5	1.75	2	2.25	2.5	2.75	3	3.5

Thread Size d		1-5/8	1-3/4	1-7/8	2	2-1/4	2-1/2	2-3/4	3	3-1/4	3-1/2	3-3/4	4
PP	UNC	-	5	-	4-1/2	4-1/2	4	4	4	4	4	4	4
	UNF	-	-	-	-	-	-	-	-	-	-	-	-
	8-UN	8	8	8	8	8	8	8	8	8	8	8	8
d _s	max	1.658	1.785	1.912	2.039	2.305	2.559	2.827	3.081	3.335	3.589	3.858	4.111
	min	1.591	1.716	1.839	1.964	2.214	2.461	2.711	2.961	3.21	3.461	3.726	3.975
s	max	2.438	2.625	2.812	3	3.375	3.75	4.125	4.5	4.875	5.25	5.625	6
	min	2.356	2.538	2.719	2.9	3.262	3.625	3.988	4.35	4.712	5.075	5.437	5.8
e	max	2.815	3.031	3.248	3.464	3.897	4.330	4.763	5.196	5.629	6.062	6.495	6.928
	min	2.616	2.893	3.099	3.306	3.719	4.133	4.546	4.959	5.372	5.786	6.198	6.612
k	max	1.116	1.196	1.276	1.388	1.548	1.708	1.869	2.06	2.251	2.38	2.572	2.764
	min	0.978	1.054	1.13	1.175	1.327	1.479	1.632	1.815	1.936	2.057	2.241	2.424
r	max	0.090	0.120	0.120	0.120	0.19	0.190	0.190	0.190	0.190	0.190	0.190	0.190
	min	0.030	0.040	0.040	0.040	0.06	0.060	0.060	0.060	0.060	0.060	0.060	0.060
b	Ref.	L ≤ 6	3.5	3.75	4	4.25	4.75	5.25	5.75	6.25	6.75	7.25	7.75
		L > 6	3.75	4	4.25	4.5	5	5.5	6	6.5	7	7.5	8

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 ≤ 6 in., b=2d+0.25 ; when L > 6 in., b=2d+0.5 .