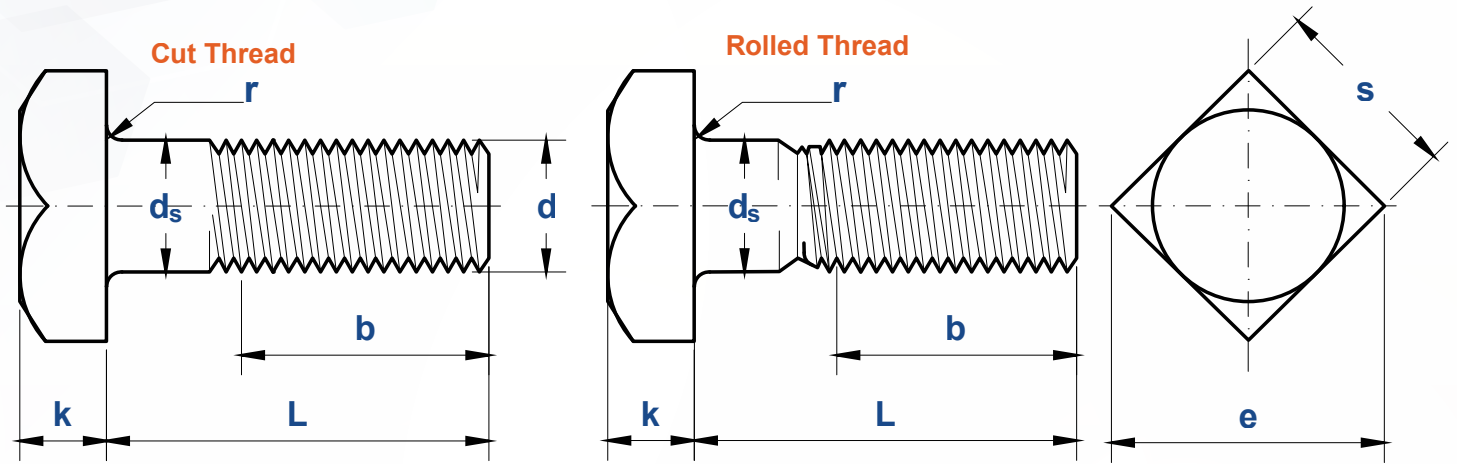




Thread Size d		1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2
d		0.2500	0.3125	0.3750	0.4375	0.5000	0.6250	0.7500	0.8750	1.0000	1.1250	1.2500	1.3750	1.5000
PP	UNC	20	18	16	14	13	11	10	9	8	7	7	6	6
ds	max	0.260	0.324	0.388	0.452	0.515	0.642	0.768	0.895	1.022	1.149	1.277	1.404	1.531
	min	0.237	0.298	0.360	0.421	0.482	0.605	0.729	0.852	0.976	1.098	1.223	1.345	1.470
s	Nominal Size	3/8	1/2	9/16	5/8	3/4	15/16	1-1/8	1-5/16	1-1/2	1-11/16	1-7/8	2-1/16	2-1/4
	max	0.375	0.500	0.562	0.625	0.750	0.938	1.125	1.312	1.500	1.688	1.875	2.062	2.250
	min	0.362	0.484	0.544	0.603	0.725	0.906	1.088	1.269	1.450	1.631	1.812	1.994	2.175
e	max	0.530	0.707	0.795	0.884	1.061	1.326	1.591	1.856	2.121	2.386	2.652	2.917	3.182
	min	0.498	0.665	0.747	0.828	0.995	1.244	1.494	1.742	1.991	2.239	2.489	2.738	2.986
k	Nominal Size	11/64	13/64	1/4	19/64	21/64	27/64	1/2	19/32	21/32	3/4	27/32	29/32	1
	max	0.188	0.220	0.268	0.316	0.348	0.444	0.524	0.620	0.684	0.780	0.876	0.940	1.036
	min	0.156	0.186	0.232	0.278	0.308	0.400	0.476	0.568	0.628	0.720	0.812	0.872	0.964
r	max	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.09	0.09	0.09	0.09	0.09
	min	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03
b	L ≤ 6	0.750	0.875	1.000	1.125	1.250	1.500	1.750	2.000	2.250	2.500	2.750	3.000	3.250
	L > 6	1.000	1.125	1.250	1.375	1.500	1.750	2.000	2.250	2.500	2.750	3.000	3.250	3.500

① Nominal thread length, b, is a reference dimension intended for calculation purposes only. b equals twice the basic thread diameter +0.25 in. for nominal bolt lengths up to and including 6 in., and twice the basic thread diameter +0.50 in. for nominal lengths over 6 in.

②, 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.