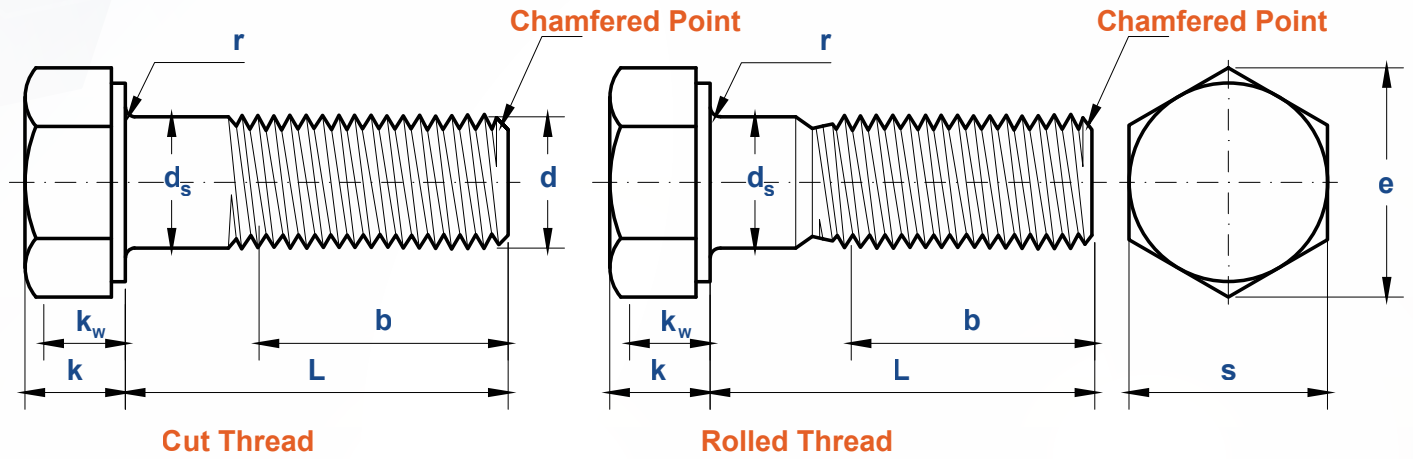
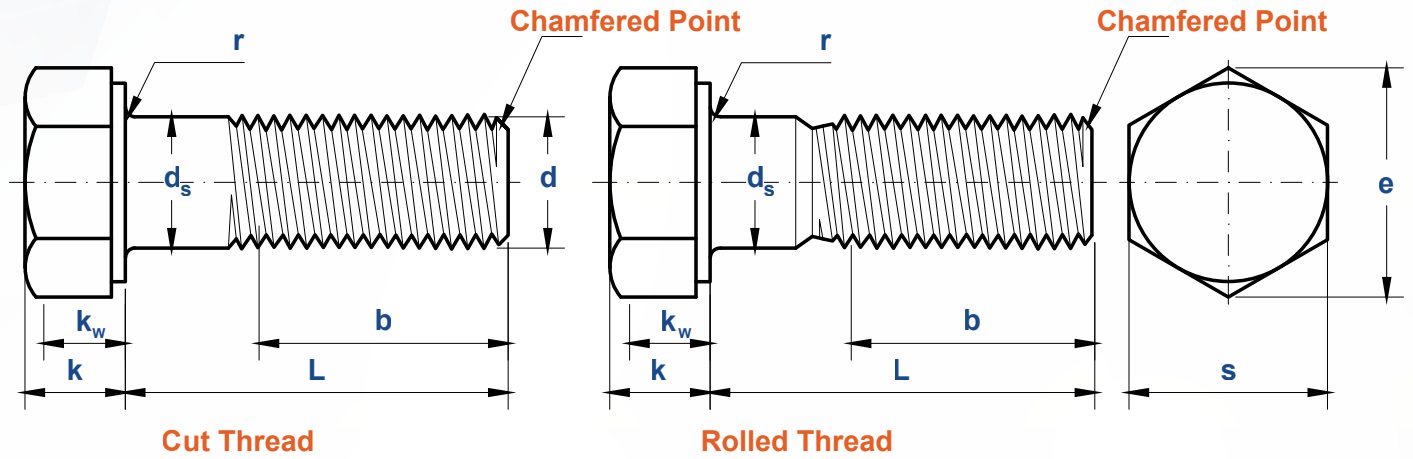




Thread Size d		3/8	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2	1-5/8	1-3/4	1-7/8	2	2-1/4
d _s	max	0.375	0.500	0.625	0.75	0.875	1	1.125	1.25	1.375	1.5	1.625	1.75	1.875	2	2.25
	min	0.36	0.482	0.605	0.729	0.852	0.976	1.098	1.223	1.345	1.47	1.591	1.716	1.839	1.964	2.214
s	max	0.688	0.875	1.062	1.25	1.438	1.625	1.812	2	2.188	2.375	2.562	2.75	2.938	3.125	3.5
	min	0.669	0.850	1.031	1.212	1.394	1.575	1.756	1.938	2.119	2.3	2.481	2.662	2.844	3.025	3.388
e	max	0.794	1.01	1.227	1.443	1.66	1.876	2.093	2.309	2.526	2.742	2.959	3.175	3.392	3.608	4.041
	min	0.763	0.969	1.175	1.383	1.589	1.796	2.002	2.209	2.416	2.622	2.829	3.035	3.242	3.449	3.862
k	max	0.243	0.323	0.403	0.483	0.563	0.627	0.718	0.813	0.878	0.974	1.038	1.134	1.198	1.263	1.423
	min	0.226	0.302	0.378	0.455	0.531	0.591	0.658	0.749	0.81	0.902	0.962	1.054	1.114	1.175	1.327
k _w	min	0.160	0.215	0.269	0.324	0.378	0.416	0.461	0.530	0.569	0.640	0.694	0.748	0.802	0.825	0.933
b	Ref.	L ≤ 6	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	-
		L > 6	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	4.5	5

①, Thickness of the washer face shall be not less than 0.015 in. nor greater than 0.025 in. for screw sizes 3/4 in. and smaller, and not less than 0.015 in. nor greater than 0.035 in. for screw sizes larger than 3/4 in. The washer face is not applicable to hex flange or lobed head screws. The washer face diameter shall be equal to the maximum width across flats with a tolerance of -10%. Measurement of the washer face diameter shall be taken 0.004 in. below the bearing surface plane toward the head of the screw.

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		2-1/2	2-3/4	3	3-1/4	3-1/2	3-3/4	4	4-1/4	4-1/2	4-3/4	5	5-1/4	5-1/2	5-3/4	6
d _s	max	2.5	2.75	3	3.25	3.5	3.75	4	4.25	4.5	4.75	5	5.25	5.5	5.75	6
	min	2.461	2.711	2.961	3.21	3.461	3.7109	3.9609	4.2228	4.4727	4.7227	4.9726	5.2226	5.4726	5.7225	5.9725
s	max	3.875	4.25	4.625	5	5.375	5.75	6.125	6.5	6.875	7.25	7.625	8	8.375	8.75	9.125
	min	3.75	4.112	4.475	4.838	5.2	5.562	5.925	6.288	6.65	7.012	7.375	7.738	8.1	8.462	8.825
e	max	4.474	4.907	5.34	5.774	6.207	6.64	7.073	7.506	7.939	8.372	8.805	9.238	9.671	10.104	10.537
	min	4.275	4.688	5.102	5.515	5.928	6.341	6.755	7.168	7.581	7.994	8.408	8.821	9.234	9.647	10.060
k	max	1.583	1.744	1.935	2.126	2.256	2.447	2.576	2.768	2.896	3.088	3.217	3.408	3.538	3.729	3.858
	min	1.479	1.632	1.815	1.998	2.12	2.303	2.424	2.608	2.728	2.912	3.033	3.216	3.338	3.521	3.642
k _w	min	1.042	1.151	1.290	1.399	1.484	1.612	1.697	1.826	1.910	2.038	2.123	2.251	2.337	2.465	2.549
b	Ref.															

①. Thickness of the washer face shall be not less than 0.015 in. nor greater than 0.025 in. for screw sizes 3/4 in. and smaller, and not less than 0.015 in. nor greater than 0.035 in. for screw sizes larger than 3/4 in. The washer face is not applicable to hex flange or lobed head screws. The washer face diameter shall be equal to the maximum width across flats with a tolerance of -10%. Measurement of the washer face diameter shall be taken 0.004 in. below the bearing surface plane toward the head of the screw.

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., $b=2d+0.5$.