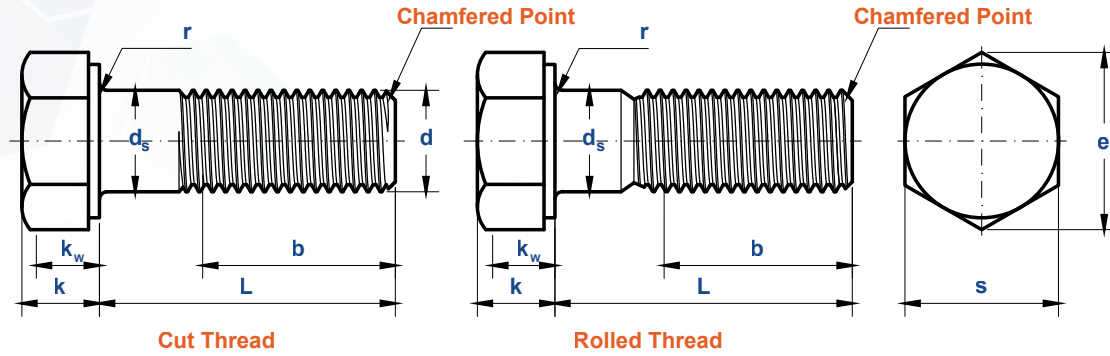




Thread Size d		1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1-1/8
d _s	max	0.25	0.3125	0.375	0.4375	0.5	0.5625	0.625	0.75	0.875	1	1.125
	min	0.245	0.3065	0.369	0.4305	0.493	0.5545	0.617	0.741	0.866	0.99	1.114
s	max	0.438	0.5	0.562	0.625	0.75	0.812	0.938	1.125	1.312	1.5	1.688
	min	0.428	0.489	0.551	0.612	0.736	0.798	0.922	1.1	1.285	1.469	1.631
e	max	0.505	0.577	0.65	0.722	0.866	0.938	1.083	1.299	1.516	1.732	1.949
	min	0.488	0.557	0.628	0.698	0.84	0.91	1.051	1.254	1.465	1.675	1.859
k	max	0.163	0.211	0.243	0.291	0.323	0.371	0.403	0.483	0.563	0.627	0.718
	min	0.15	0.195	0.226	0.272	0.302	0.348	0.378	0.455	0.531	0.591	0.658
k _w		0.106	0.14	0.16	0.195	0.215	0.25	0.269	0.324	0.378	0.416	0.461
b	Ref.	L ≤ 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	0.095
	min	0.015	0.015	0.015	0.015	0.015	0.020	0.020	0.020	0.040	0.060	0.060

Thread Size d		1-1/4	1-3/8	1-1/2	1-5/8	1-3/4	1-7/8	2	2-1/4	2-1/2	2-3/4	3
d _s	max	1.25	1.375	1.5	1.625	1.75	1.875	2	2.25	2.5	2.75	3
	min	1.239	1.363	1.488	1.613	1.738	1.863	1.988	2.238	2.488	2.738	2.988
s	max	1.875	2.062	2.25	2.438	2.625	2.812	3	3.375	3.75	4.125	4.5
	min	1.812	1.994	2.175	2.356	2.538	2.719	2.9	3.262	3.625	3.988	4.35
e	max	2.165	2.382	2.598	2.815	3.031	3.248	3.464	3.897	4.33	4.763	5.196
	min	2.066	2.273	2.48	2.686	2.893	3.099	3.306	3.719	4.133	4.546	4.959
k	max	0.813	0.878	0.974	1.038	1.134	1.198	1.263	1.423	1.583	1.744	1.935
	min	0.749	0.81	0.902	0.962	1.054	1.114	1.175	1.327	1.479	1.632	1.815
k _w		0.53	0.569	0.64	0.694	0.748	0.802	0.825	0.933	1.042	1.151	1.29
b	Ref.	L ≤ 6	2.75	3	3.25	3.5	3.75	4	4.25	-	-	-
		L > 6	3	3.25	3.5	3.75	4	4.25	4.5	5	5.5	6
r	max	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

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., $b = 2d + 0.5$.