

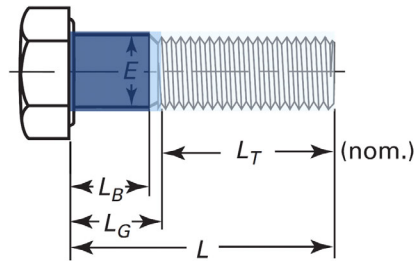


Minimum Body Length & Maximum Grip Gaging Length Table



(610) 904-8616

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Minimum Body Length L_B
 Maximum Grip Length L_G
 Thread Length L_T

Nominal Length	Dia.	Thrd. #	Dia.	Thrd. #	Dia.	Thrd. #	Dia.	Thrd. #	Dia.	Thrd. #	Dia.	Thrd. #	Dia.	Thrd. #
	1/4	20	5/16	18	3/8	16	7/16	14	1/2	13	9/16	12	5/8	11
	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}
1 1/4	0.25	0.50	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
1 3/8	0.38	0.63	0.22	0.50	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
1 1/2	0.50	0.75	0.35	0.63	0.19	0.50	Full Thread		Full Thread		Full Thread		Full Thread	
1 5/8	0.63	0.88	0.47	0.75	0.31	0.63	Full Thread		Full Thread		Full Thread		Full Thread	
1 3/4	0.75	1.00	0.60	0.88	0.44	0.75	0.27	0.63	Full Thread		Full Thread		Full Thread	
1 7/8	0.88	1.13	0.72	1.00	0.56	0.88	0.39	0.75	0.24	0.63	Full Thread		Full Thread	
2	1.00	1.25	0.85	1.13	0.69	1.00	0.52	0.88	0.37	0.75	Full Thread		Full Thread	
2 1/8	1.13	1.38	0.97	1.25	0.81	1.13	0.64	1.00	0.49	0.88	0.33	0.75	Full Thread	
2 1/4	1.25	1.50	1.10	1.38	0.94	1.25	0.77	1.13	0.62	1.00	0.46	0.88	0.30	0.75
2 3/8	1.38	1.63	1.22	1.50	1.06	1.38	0.89	1.25	0.74	1.13	0.58	1.00	0.42	0.88
2 1/2	1.50	1.75	1.35	1.63	1.19	1.50	1.02	1.38	0.87	1.25	0.71	1.13	0.55	1.00
2 5/8	1.63	1.88	1.47	1.75	1.31	1.63	1.14	1.50	0.99	1.38	0.83	1.25	0.67	1.13
2 3/4	1.75	2.00	1.60	1.88	1.44	1.75	1.27	1.63	1.12	1.50	0.96	1.38	0.80	1.25
2 7/8	1.88	2.13	1.72	2.00	1.56	1.88	1.39	1.75	1.24	1.63	1.08	1.50	0.92	1.38
3	2.00	2.25	1.85	2.13	1.69	2.00	1.52	1.88	1.37	1.75	1.21	1.63	1.05	1.50
3 1/4	2.25	2.50	2.10	2.38	1.94	2.25	1.77	2.13	1.62	2.00	1.46	1.88	1.30	1.75
3 1/2	2.50	2.75	2.35	2.63	2.19	2.50	2.02	2.38	1.87	2.25	1.71	2.13	1.55	2.00
3 3/4	2.75	3.00	2.60	2.88	2.44	2.75	2.27	2.63	2.12	2.50	1.96	2.38	1.80	2.25
4	3.00	3.25	2.85	3.13	2.69	3.00	2.52	2.88	2.37	2.75	2.21	2.63	2.05	2.50
4 1/4	3.25	3.50	3.10	3.38	2.94	3.25	2.77	3.13	2.62	3.00	2.46	2.88	2.30	2.75
4 1/2	3.50	3.75	3.35	3.63	3.19	3.50	3.02	3.38	2.87	3.25	2.71	3.13	2.55	3.00
4 3/4	3.75	4.00	3.60	3.88	3.44	3.75	3.27	3.63	3.12	3.50	2.96	3.38	2.80	3.25
5	4.00	4.25	3.85	4.13	3.69	4.00	3.52	3.88	3.37	3.75	3.21	3.63	3.05	3.50
5 1/4	4.25	4.50	4.10	4.38	3.94	4.25	3.77	4.13	3.62	4.00	3.46	3.88	3.30	3.75
5 1/2	4.50	4.75	4.35	4.63	4.19	4.50	4.02	4.38	3.87	4.25	3.71	4.13	3.55	4.00
5 3/4	4.75	5.00	4.60	4.88	4.44	4.75	4.27	4.63	4.12	4.50	3.96	4.38	3.80	4.25
6	5.00	5.25	4.85	5.13	4.69	5.00	4.52	4.88	4.37	4.75	4.21	4.63	4.05	4.50
6 1/4	5.00	5.25	4.85	5.13	4.69	5.00	4.52	4.88	4.37	4.75	4.21	4.63	4.05	4.50
6 1/2	5.25	5.50	5.10	5.38	4.94	5.25	4.77	5.13	4.62	5.00	4.46	4.88	4.30	4.75
6 3/4	5.50	5.75	5.35	5.63	5.19	5.50	5.02	5.38	4.87	5.25	4.71	5.13	4.55	5.00
7	5.75	6.00	5.60	5.88	5.44	5.75	5.27	5.63	5.12	5.50	4.96	5.38	4.80	5.25
7 1/4	6.00	6.25	5.85	6.13	5.69	6.00	5.52	5.88	5.37	5.75	5.21	5.63	5.05	5.50
7 1/2	6.25	6.50	6.10	6.38	5.94	6.25	5.77	6.13	5.62	6.00	5.46	5.88	5.30	5.75
7 3/4	6.50	6.75	6.35	6.63	6.19	6.50	6.02	6.38	5.87	6.25	5.71	6.13	5.55	6.00
8	6.75	7.00	6.60	6.88	6.44	6.75	6.27	6.63	6.12	6.50	5.96	6.38	5.80	6.25
8 1/4	7.00	7.25	6.85	7.13	6.69	7.00	6.52	6.88	6.37	6.75	6.21	6.63	6.05	6.50
8 1/2	7.25	7.50	7.10	7.38	6.94	7.25	6.77	7.13	6.62	7.00	6.46	6.88	6.30	6.75
8 3/4	7.50	7.75	7.35	7.63	7.19	7.50	7.02	7.38	6.87	7.25	6.71	7.13	6.55	7.00
9	7.75	8.00	7.60	7.88	7.44	7.75	7.27	7.63	7.12	7.50	6.96	7.38	6.80	7.25
9 1/4	8.00	8.25	7.85	8.13	7.69	8.00	7.52	7.88	7.37	7.75	7.21	7.63	7.05	7.50
9 1/2	8.25	8.50	8.10	8.38	7.94	8.25	7.77	8.13	7.62	8.00	7.46	7.88	7.30	7.75
9 3/4	8.50	8.75	8.35	8.63	8.19	8.50	8.02	8.38	7.87	8.25	7.71	8.13	7.55	8.00
10	8.75	9.00	8.60	8.88	8.44	8.75	8.27	8.63	8.12	8.50	7.96	8.38	7.80	8.25
11	9.75	10.00	9.60	9.88	9.44	9.75	9.27	9.63	9.12	9.50	8.96	9.38	8.80	9.25
12	10.75	11.00	10.60	10.88	10.44	10.75	10.27	10.63	10.12	10.50	9.96	10.38	9.80	10.25

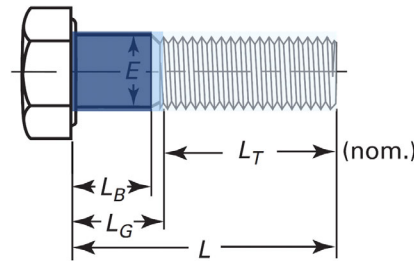


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	3/4	10	7/8	9	1	8	1 1/8	7	1 1/4	7	1 3/8	7	1 1/2	6
	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}	L_B	L_{Gmax}
1 1/4	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
1 3/8	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
1 1/2	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
1 5/8	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
1 3/4	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
1 7/8	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2 1/8	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2 1/4	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2 3/8	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2 1/2	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2 5/8	0.38	0.88	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2 3/4	0.50	1.00	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
2 7/8	0.63	1.13	0.32	0.88	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
3	0.75	1.25	0.44	1.00	Full Thread		Full Thread		Full Thread		Full Thread		Full Thread	
3 1/4	1.00	1.50	0.69	1.25	0.38	1.00	Full Thread		Full Thread		Full Thread		Full Thread	
3 1/2	1.25	1.75	0.94	1.50	0.63	1.25	Full Thread		Full Thread		Full Thread		Full Thread	
3 3/4	1.50	2.00	1.19	1.75	0.88	1.50	0.54	1.25	Full Thread		Full Thread		Full Thread	
4	1.75	2.25	1.44	2.00	1.13	1.75	0.79	1.50	0.54	1.25	Full Thread		Full Thread	
4 1/4	2.00	2.50	1.69	2.25	1.38	2.00	1.04	1.75	0.79	1.50	Full Thread		Full Thread	
4 1/2	2.25	2.75	1.94	2.50	1.63	2.25	1.29	2.00	1.04	1.75	0.79	1.50	Full Thread	
4 3/4	2.50	3.00	2.19	2.75	1.88	2.50	1.54	2.25	1.29	2.00	1.04	1.75	0.67	1.50
5	2.75	3.25	2.44	3.00	2.13	2.75	1.79	2.50	1.54	2.25	1.29	2.00	0.92	1.75
5 1/4	3.00	3.50	2.69	3.25	2.38	3.00	2.04	2.75	1.79	2.50	1.54	2.25	1.17	2.00
5 1/2	3.25	3.75	2.94	3.50	2.63	3.25	2.29	3.00	2.04	2.75	1.79	2.50	1.42	2.25
5 3/4	3.50	4.00	3.19	3.75	2.88	3.50	2.54	3.25	2.29	3.00	2.04	2.75	1.67	2.50
6	3.75	4.25	3.44	4.00	3.13	3.75	2.79	3.50	2.54	3.25	2.29	3.00	1.92	2.75
6 1/4	3.75	4.25	3.44	4.00	3.13	3.75	2.79	3.50	2.54	3.25	2.29	3.00	1.92	2.75
6 1/2	4.00	4.50	3.69	4.25	3.38	4.00	3.04	3.75	2.79	3.50	2.54	3.25	2.17	3.00
6 3/4	4.25	4.75	3.94	4.50	3.63	4.25	3.29	4.00	3.04	3.75	2.79	3.50	2.42	3.25
7	4.50	5.00	4.19	4.75	3.88	4.50	3.54	4.25	3.29	4.00	3.04	3.75	2.67	3.50
7 1/4	4.75	5.25	4.44	5.00	4.13	4.75	3.79	4.50	3.54	4.25	3.29	4.00	2.92	3.75
7 1/2	5.00	5.50	4.69	5.25	4.38	5.00	4.04	4.75	3.79	4.50	3.54	4.25	3.17	4.00
7 3/4	5.25	5.75	4.94	5.50	4.63	5.25	4.29	5.00	4.04	4.75	3.79	4.50	3.42	4.25
8	5.50	6.00	5.19	5.75	4.88	5.50	4.54	5.25	4.29	5.00	4.04	4.75	3.67	4.50
8 1/4	5.75	6.25	5.44	6.00	5.13	5.75	4.79	5.50	4.54	5.25	4.29	5.00	3.92	4.75
8 1/2	6.00	6.50	5.69	6.25	5.38	6.00	5.04	5.75	4.79	5.50	4.54	5.25	4.17	5.00
8 3/4	6.25	6.75	5.94	6.50	5.63	6.25	5.29	6.00	5.04	5.75	4.79	5.50	4.42	5.25
9	6.50	7.00	6.19	6.75	5.88	6.50	5.54	6.25	5.29	6.00	5.04	5.75	4.67	5.50
9 1/4	6.75	7.25	6.44	7.00	6.13	6.75	5.79	6.50	5.54	6.25	5.29	6.00	4.92	5.75
9 1/2	7.00	7.50	6.69	7.25	6.38	7.00	6.04	6.75	5.79	6.50	5.54	6.25	5.17	6.00
9 3/4	7.25	7.75	6.94	7.50	6.63	7.25	6.29	7.00	6.04	6.75	5.79	6.50	5.42	6.25
10	7.50	8.00	7.19	7.75	6.88	7.50	6.54	7.25	6.29	7.00	6.04	6.75	5.67	6.50
11	8.50	9.00	8.19	8.75	7.88	8.50	7.54	8.25	7.29	8.00	7.04	7.75	6.67	7.50
12	9.50	10.00	9.19	9.75	8.88	9.50	8.54	9.25	8.29	9.00	8.04	8.75	7.67	8.50