



FRAME BOLTS • GRADE 8 ALLOY

Nominal Size	E		F			G		B	U	D	H	LT	Tensile Strength, Lbs.	Proof Load, Lbs.
	Body Diameter		Width Across Flats			Width Across Corners		Flange Diam.	Flange Thickness	Head Height	Hex Height	Thread Length		
	Max	Min	Basic	Max	Min	Max	Min	Max	Min	Max	Min	Basic		
1/4	0.2500	0.2450	3/8	0.3750	0.367	0.433	0.409	0.56	0.04	0.28	0.17	0.750	4,750	3,800
5/16	0.3125	0.3065	1/2	0.5000	0.489	0.577	0.548	0.68	0.05	0.32	0.21	0.875	7,850	6,300
3/8	0.3750	0.3690	9/16	0.5625	0.551	0.650	0.618	0.81	0.06	0.425	0.25	1.000	11,600	9,300
7/16	0.4375	0.4305	5/8	0.6250	0.612	0.722	0.685	0.93	0.07	0.46	0.30	1.125	15,900	12,800
1/2	0.5000	0.4930	3/4	0.7500	0.736	0.866	0.825	1.07	0.08	0.555	0.34	1.250	21,300	17,000
5/8	0.6250	0.6170	15/16	0.9375	0.922	1.083	1.034	1.33	0.10	0.690	0.42	1.500	33,900	27,100
3/4	0.7500	0.7410	1-1/8	1.1250	1.100	1.299	1.234	1.59	0.11	0.825	0.51	1.750	50,100	40,100