



Suggested Torque Values

ASTM A325 (structural)

Bolt Size	TPI	Tension (lbs)		Tightening Torque Range (ft.lbs / min-max)	
		Min	Max	Lubricated	Plain
1/2	13	12,000	14,000	50 - 59	100 - 118
5/8	11	19,000	23,000	100 - 120	195 - 240
3/4	10	28,000	34,000	175 - 215	350 - 425
7/8	9	39,000	47,000	285 - 345	569 - 685
1	8	51,000	61,000	425 - 505	850 - 1,015
1 1/8	7	56,000	67,000	525 - 625	1,050 - 1,255
1 1/4	7	71,000	85,000	740 - 885	1,480 - 1,770
1 3/8	6	85,000	102,000	975 - 1,170	1,950 - 2,340
1 1/2	6	103,000	124,000	1,290 - 1,550	2,575 - 3,100

