

# INDUSTRIALBOLTING

## SAMPLE TORQUE CHART SHOWING FACTORS AFFECTING TOURQUE

Pre-load Stress @ 50% Minimum Yield

Thread Type UNC

****TORQUE IN FT/LBS****		S.A.E. Grade 6 45K p.s.i.			S.A.E. Grade 8 60K p.s.i.		
Stud Diameter	Nut Size	Dry	Machine Oil	Moly DS	Dry	Machine Oil	Moly DS
1	1 5/8	533	361	172	800	542	258
1 1/4	2	1023	693	330	1534	1040	495
1 1/2	2 3/8	1817	1231	586	2725	1846	879
1 3/4	2 3/4	2905	1968	937	4357	2952	1406
2	3 1/8	4334	2936	1398	6501	4404	2097
2 1/4	3 1/2	6169	4179	1990	9254	6268	2985
2 1/2	3 7/8	8457	5729	2728	12686	8593	4092
2 3/4	4 1/4	10180	6896	3264	15271	10345	4928
3	4 5/8	13522	9160	4362	20283	13740	6543
3 1/4	5	16786	11372	5415	25180	17057	8122
3 1/2	5 3/8	20953	14194	6759	31429	21291	10138
3 3/4	5 3/4	25761	17451	6310	38642	28176	12465
4	6 1/8	31248	21168	10080	46872	31752	15120

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SALES / RENTALS / REPAIRS / CALIBRATIONS