



STANDARD TORQUE CHART

METRIC SCREW TORQUE VALUES TORQUED Nm. & LBS										
SCREW DIA.	GRADE 8.8 CAP SCREWS				GRADE 12.9 CAP SCREWS				STAINLESS SCREW	
	NON-LUBE		LUBE		NON-LUBE		LUBE		LUBE	
	Nu	FTLB	Nu	FTLB	Nu	FTLB	Nu	FTLB	Nu	FTLB
6	10	7	6	4	14	10	8	6	3	2
8	24	18	14	10	35	26	20	15	8	6
10	49	36	27	20	70	52	41	30	16	12
12	84	62	47	35	124	92	70	52	27	20
14	135	100	76	56	200	143	114	84	45	33
16	210	155	118	87	310	229	176	130	68	50
18	288	213	162	120			243	180	95	70
20			230	170			338	250	134	99
24			338	250					232	172

Torque values are based on 50% of ultimate values used.
Threads based on STD coarse series. Fine threads could be 10% higher.

NOTE

- U.S. bolt 3/8" diameter to be torqued to 16 ft.lb
- U.S. bolt 1/2" diameter to be torqued to 40 ft.lb.
- U.S. bolt 5/8" diameter to be torqued to 80 ft.lb.
- U.S. bolt 3/4" diameter to be torqued to 142 ft.lb.