






## STANDARD AVIATION TORQUE VALUES - METRIC SYSTEM

In the absence of specific torque values, the following chart can be used as a guide to the maximum safe torque for a particular size/grade of fastener. There is no torque difference for fine or coarse threads.

Torque values are based on clean, dry threads. Reduce value by 10% if threads are oiled before assembly

Relative Strength Marking		4.6		4.8		8.8 or 9.8		10.9		12.9	
Bolt Markings											
Dia	Wrench Size	Maximum Torque		Maximum Torque		Maximum Torque		Maximum Torque		Maximum Torque	
		Ft lb	Nm	Ft lb	Nm	Ft lb	Nm	Ft lb	Nm	Ft lb	Nm
M3	5.5mm	.3	.5	.5	.7	1	1.3	1.5	2	1.5	2
M4	7mm	.8	1.1	1	1.5	2	3	3	4.5	4	5
M5	8mm	1.5	205	2	3	4.5	6	6.5	9	7.5	10
M6	10mm	3	4	4	5.5	7.5	10	11	15	13	18
M8	13mm	7	9.5	10	13	18	25	26	35	33	45
M10	16mm	14	19	18	25	37	50	55	75	63	85
M12	18mm	26	35	33	45	63	85	97	130	111	150
M14	21mm	37	50	55	75	103	140	151	205	177	240
M16	24mm	59	80	85	115	159	215	232	315	273	390
M18	27mm	81	110	118	160	225	305	321	435	376	510
M20	30mm	118	160	166	225	321	425	457	620	535	725
M22	33mm	159	215	225	305	435	590	620	840	726	985
M24	36mm	203	275	288	390	553	750	789	1070	926	1255
M27	41mm	295	400	417	565	811	1100	1154	1565	1353	1835
M30	46mm	402	545	568	770	1103	1495	1571	2130	1837	2490