

Standard AN and MS steel bolts in tension - fine thread

Nut Bolt size	Nut tensions torque limits								
	in lbs			ft lbs			Nm		
	Min	Max	Ava	Min	Max	Ava	Min	Max	Ava
8-36	12	15	14	1	1	1	1	2	2
10-32	20	25	23	2	2	2	2	3	3
1/4-28	50	70	60	4	6	5	6	8	7
5/16-24	100	140	120	8	12	10	11	16	14
3/8-24	160	190	175	13	16	15	18	21	20
7/16-20	450	500	475	38	42	40	51	56	54
1/2-20	480	690	585	40	58	49	54	78	66
9/16-18	800	1.000	900	67	83	75	90	113	102
5/8-18	1.100	1.300	1.200	92	108	100	124	147	136
3/4-16	2.300	2.500	2.400	192	208	200	260	282	271
7/8-14	2.500	3.000	2.750	208	250	229	282	339	311
1-14	3.700	4.500	4.100	308	375	342	418	508	463
1-1/8-12	5.000	7.000	6.000	417	583	500	565	791	678
1-1/4-12	9.000	11.000	10.000	750	917	833	1.017	1.243	1.130

Source: Aviation Mechanic handbook, sixth edition by Dale Crane ASA-MHB-6

Spark Plug torque: 35 ft lbs

Standard AN and MS steel bolts in tension - coarse thread

Nut Bolt size	Nut tensions torque limits								
	in lbs			ft lbs			Nm		
	Min	Max	Ava	Min	Max	Ava	Min	Max	Ava
8-36	12	15	14	1	1	1	1	2	2
10-24	20	25	23	2	2	2	2	3	3
1/4-20	40	50	45	3	4	4	5	6	5
5/16-18	80	90	85	7	8	7	9	10	10
3/8-16	160	185	173	13	15	14	18	21	19
7/16-14	235	255	245	20	21	20	27	29	28
1/2-13	400	480	440	33	40	37	45	54	50
9/16-12	500	700	600	42	58	50	56	79	68
5/8-11	700	900	800	58	75	67	79	102	90
3/4-10	1.150	1.600	1.375	96	133	115	130	181	155
7/8-9	2.200	3.000	2.600	183	250	217	249	339	294
1-8	3.700	5.000	4.350	308	417	363	418	565	491
1-1/8-8	5.500	6.500	6.000	458	542	500	621	734	678
1-1/4-8	6.500	8.000	7.250	542	667	604	734	904	819

Source: Aviation Mechanic handbook, sixth edition by Dale Crane ASA-MHB-6