

BOLT TORQUE TABLE

Diameter	Recommended Torque								
	6.9		8.8		10.9		12.9		A/F
	Newtons	N.m	Newtons	N.m	Newtons	N.m	Newtons	N.m	mm
2	731	0.31	863	0.37	1216	0.52	1461	0.63	4
3	1863	1.13	2206	1.34	3109	1.88	3727	2.26	5.5
4	3226	2.6	3825	3.04	5374	4.31	6453	5.15	7
5	5286	5.1	6257	6.03	8806	8.48	10591	10.2	8
6	7453	8.73	8836	10.3	12405	14.71	14906	17.65	10
8	13680	21.57	16230	25.5	22751	35.3	27360	42.17	13
10	21771	42.17	25791	50.01	36284	70.61	43541	85.32	17
12	31773	73.55	37657	87.28	52956	122.6	63547	147.1	19
16	60016	178.5	71196	210.8	100027	299.1	120131	357.9	24
20	93849	384.1	111305	411.9	156415	578.6	187796	696.3	30

BOLT THREAD LENGTHS

Bolt Diameter	Standard Thread Length (mm)*	
	Bolts 125mm and shorter	Bolts longer than 125mm
3	12	--
4	14	--
5	16	22
6	18	24
7	20	26
8	22	28
10	26	32
12	30	36
14	34	40
16	38	44
18	42	48
20	46	52

* **Important Note:** Some bolts may vary from the standard thread length.

BOLT STRENGTH DATA

Metric Class	Material	Tensile Strength		Yield Strength	
		N/mm ²	psi	N/mm ²	Psi
8.8	Steel	800	116,000	640	93,000
10.9	Steel	1040	151,000	940	136,000
12.9	Alloy Steel	1220	177,000	1100	160,000
A2-70	302 Stainless	700	102,000	450	65,000
A4-80	316 Stainless	800	116,000	600	87,000

