

Torque Values - Imperial - in lb-ft

Bolt size – Pitch	Grade 2		Grade 5		Grade 8	
	Lubricated	Dry	Lubricated	Dry	Lubricated	Dry
1/4-20	5	6	6.3	8	9	12
1/4-28	6	7	7.2	10	10	14
5/16-18	11	11	13	17	18	24
5/16-24	12	12	14	19	20	27
3/8-16	15	20	23	30	35	45
3/8-24	17	23	25	35	35	50
7/16-14	24	32	35	50	50	70
7/16-20	27	36	40	55	60	80
1/2-13	35	50	55	75	80	110
1/2-20	40	55	65	85	90	120
9/16-12	53	70	80	110	110	150
9/16-18	59	78	90	120	130	170
5/8-11	75	100	110	150	160	210
5/8-18	85	110	130	170	180	240
3/4-10	130	175	200	260	280	380
3/4-16	150	200	220	300	310	420