

Bolt Torque Specifications SAE & Metric

	SAE Grade 5 Torque (ft. x lb.)		SAE Grade 8 Torque (ft. x lb.)	
	Dry	Lubricated	Dry	Lubricated
1/4 - 20	8	6.3	12	9
1/4 - 28	10	7.2	14	10
5/16 - 18	17	13	24	18
5/16 - 24	19	14	27	20
3/8 - 16	30	23	45	35
3/8 - 24	35	25	50	35
7/16 - 14	50	35	70	50
7/16 - 20	55	40	80	60
1/2 - 13	75	55	110	80
1/2 - 20	85	65	120	90
9/16 - 12	110	80	150	110
9/16 - 18	120	90	170	130
5/8 - 11	150	110	210	160
5/8 - 18	170	130	240	180
3/4 - 10	260	200	380	280
3/4 - 16	300	220	420	310
7/8 - 9	430	320	600	450
7/8 - 14	470	350	670	500
1 - 8	640	480	910	680
1 - 14	720	540	1,020	760

Metric (DIN) Standard	Metric Class 8.8 Torque (ft. x lb.)	Metric Class 10.9 Torque (ft. x lb.)
M4 x .70	1.65	----
M5 x .80	4.13	----
M6 x 1.00	7.13	10.50
M7 x 1.00	11.63	----
M8 x 1.25	17.25	25.50
M8 x 1.00	18.38	----
M10 x 1.50	34.50	51.00
M10 x 1.20	36.75	----
M10 x 1.00	39.00	----
M12 x 1.75	59.25	87.75
M12 x 1.50	62.25	----
M12 x 1.25	65.25	----
M14 x 2.00	93.75	138.75
M14 x 1.50	101.25	----
M16 x 2.00	146.25	210.00
M18 x 2.50	210.00	----
M20 x 2.50	292.50	----
M22 x 2.50	397.50	----
M44 x 3.00	502.50	----