

## 6. TIGHTENING TORQUES

Thread Size:	SAE GRADE 5		SAE GRADE 8		SAE GRADE 8 Distorted Center Lock Nuts	
	Assembly Torque - Ft-Lbs		Assembly Torque - Ft-Lbs		Assembly Torque - Ft-Lbs	
	Dry Plated	Lubricated	Dry Plated	Lubricated	Dry Plated	Lubricated
1/4 - 20	6	6	9	8	12	11
1/4 - 28	7	6	10	9	13	12
5/16 - 18	13	12	19	17	24	22
5/16 - 24	14	13	21	19	26	24
3/8 - 16	23	21	34	30	41	37
3/8 - 24	26	23	38	34	45	41
7/16 - 14	37	33	54	49	62	57
7/16 - 20	41	37	60	54	68	62
1/2 - 13	56	50	84	76	97	89
1/2 - 20	63	57	92	83	105	96
9/16 - 12	79	71	121	108	140	127
9/16 - 18	91	81	135	121	154	140
5/8 - 11	112	101	167	150	193	176
5/8 - 18	127	114	204	184	230	210
3/4 - 10	198	178	296	266	330	300
3/4 - 16	221	199	331	298	365	332
1 - 8	484	436	718	646	786	714
1 - 12	525	472	782	704	850	772

Thread Size:	CLASS 8.8 METRIC		CLASS 10.9 METRIC	
	Assembly Torque - Ft-Lbs		Assembly Torque - Ft-lbs	
	Dry	Lubricated	Dry	Lubricated
6 X 1	8	6	11	8
8 X 1.25	19	14	27	20
10 X 1.5	38	29	53	40
12 X 1.75	66	50	93	70
14 X 2	104	78	148	111
16 X 2	167	125	230	173
20 X 2.5	325	244	448	336