



VALLEY-WIDE FASTENERS FRACTIONAL TORQUE SPECIFICATIONS

TORQUE VALUES FOR MACHINE SCREWS ARE SHOWN IN **INCH-POUNDS**
VALUES FOR BOLTS **1/4-INCH** & OVER ARE SHOWN IN **FOOT-POUNDS**

BOLT SIZE	GR 2	GR 5	GR 8	BHCS	FHCS	SHCS	L-9 CAP	18-8 SS
0-80						2.6		
1-64						4.5		
1-72						4.8		
2-56						7.5		
2-64						8		
3-48						11		
3-56						12		
4-40				7.5	9.5	16		
4-48						18		
5-40				12.5	19	24		
5-48						24		
6-32				12.5	19	30		
6-40						34		
8-32				23	30	55		
8-36						58		
10-24				45	65	79		
10-32						90		
12-24								
12-28								
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 2px solid black; padding: 5px; width: 30%;"> <p>CAUTION: REDUCE TORQUE VALUES UNDER THE FOLLOWING CONDITIONS...</p> <p>PLATING 20% WHITE LEAD 25% GRAPHITE 30% OIL 40% GREASE 40% ANTI-SIEZE 45%</p> <p>Overtightening bolts causes weakening in the threads and leads to failure!</p> </div> <div style="border: 2px solid black; padding: 5px; width: 30%;"> <p>NOTE; Torque Values for L-9 Bolts are for Plated Bolts, Reduce Torque by 20% if Oil or Grease are present, 25% if using anti-sieze</p> </div> </div>								
1/4-20	5	9	12	9	12	17	10	6
1/4-28	6	12	15			19	12	8
5/16-18	11	18	25	16	20	35	19	11
5/16-24	12	20	30			38	20	12
3/8-16	20	32	50	25	32	62	30	20
3/8-24	23	36	60			70	35	22
7/16-14	32	54	85		48	100	55	31
7/16-20	36	57	95			109	60	33
1/2-13	50	77	125	94	97	150	85	43
1/2-20	55	87	140			172	95	45
9/16-12	70	110	175				120	57
9/16-18	80	120	195				135	63
5/8-11	100	160	245	156	167	283	170	93
5/8-18	110	180	270			317	190	104
3/4-10	175	275	425		192	500	265	127
3/4-16	200	310	460			562	330	130
7/8-9	202	410	660			688	475	193
7/8-14	210	440	700			767	520	194
1IN-8	250	610	990			1040	550	259
1IN-14	280	660	1050			1080	700	287
1&1/8-7	350	825	1470				1025	390
1&1/8-12	400	925	1655				1150	413
1&1/4-7	500	1125	2100			2080	1400	480
1&1/4-12	550	1245	2310			2310	1600	523
1&3/8-6	670	1490	2750					
1&3/8-12	750	1690	3110					
1&1/2-6	870	1900	3640			3625	2900	703
1&1/2-12	980	2100	4100			4080	3300	888