SUGGESTED TIGHTENING TORQUES

INCH (IN-Lb) INCH SOCKET PRODUCTS									
DIA	Socket Head 1960 Series		Flat Head		Button Head		Shoulder Screw	Low Head	Socket Set
	UNC	UNF	UNC	UNF	UNC	UNF			
#0		2.6		1.5		1.5			1
#1	4.5	4.8	2.5	2.5	2.5	2.5			1.8
#2	7.5	8	4.5	4.5	4.5	4.5			1.8
#3	11	12	7	7	7	7			5
#4	16	18	8	8	8	9		5	5
#5	24	24	12	13	12	12		9.5	10
#6	30	34	15	17	16	16		9.5	10
#8	55	58	30	31	30	30		19.4	20
#10	79	90	40	45	45	45		33.5	36
1/4	204	228	100	110	100	110	50	77.9	87
5/16	420	456	200	220	200	220	125	156	165
3/8	744	840	350	400	350	400	265	273	290
7/16	1200	1308	560	625				428	430
1/2	1800	2064	850	1000	850	1000	470	615	620
9/16	2532	2869	1200	1360					620
5/8	3396	3804	1700	1900	1700	1800	1150	1315	1225
3/4	6000	6744	3000	3200			2000		2400
7/8	8256	9204	5000	5400					3600
1	12480	12960	8000						5000
1 1/4	24960	27720	13600						9600
1 1/2	43500	48960							11320

Note: To convert In-lb to N-m 8.85
Listed tightening torques are 75 percent of the torque to yield based on ASTM574.
Values based on unplated and non-lubricated fasteners.

Warning: The data in this book should be used as a reference guide. The proper torque can only be determined by analysing the design parameters which include temperature, plating, lubrication, etc. Short time tensile, creep and stress relaxation should be considered for applications where the temperature exceeds 200 C. Lower ductility, impact strength and fatigue life must be considered for screws subject to temperatures below -29 C. All socket screw products are class 3A Fit except sizes 1-1/4 and larger which are class 2A Fit.