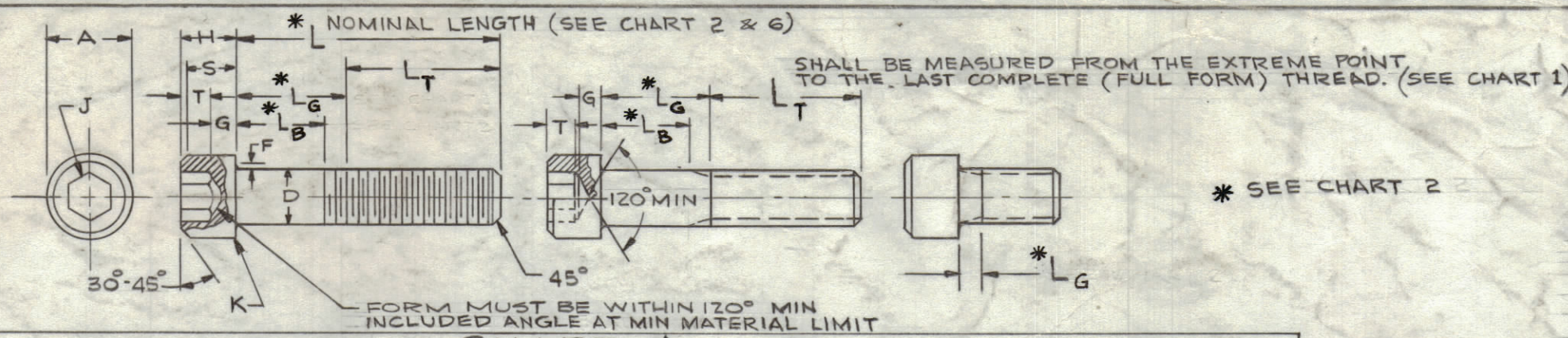


CHART 1
SCREW, CAP-CYLINDRICAL SOCKET HEAD HEXAGON



REVISIONS							
ZONE	SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD

CHART 3 THREAD SIZES & CODES

ALL THREADS SHALL BE CLASS 2A

THREAD SIZE	TMC THREAD CODE	THREAD SERIES	THREAD SIZE	TMC THREAD CODE	THREAD SERIES
2-56	0256	UNC	12-24	1224	UNC
3-48	0348	UNC	12-28	1228	UNF
4-40	0440	UNC	1/4-20	2520	UNC
5-40	0540	UNC	1/4-28	2528	UNF
6-32	0632	UNC	5/16-18	3118	UNC
8-32	0832	UNC	5/16-24	3124	UNF
10-24	1024	UNC	3/8-16	3716	UNC
10-32	1032	UNF	3/8-24	3724	UNF

CHART 1

NOMINAL SIZE	D BODY DIAMETER		A HEAD DIAMETER		H HEAD HEIGHT		S HEAD SIDE HEIGHT	J HEX SOCKET SIZE	T KEY ENGAGEMENT	G WALL THICKNESS	F FILLET		K CHAMFER OR RADIUS	BASIC THREAD LENGTH L _T
	MAX	MIN	MAX	MIN	MAX	MIN	MIN	NOM	MIN	MIN	MAX	MIN	MAX	
2	0.0860	0.0822	0.140	0.134	0.086	0.083	0.077	5/64	0.038	0.028	0.008	0.004	0.003	0.625
3	0.0990	0.0949	0.161	0.154	0.099	0.095	0.089	5/64	0.044	0.032	0.008	0.004	0.003	0.625
4	0.1120	0.1075	0.183	0.176	0.112	0.108	0.101	3/32	0.051	0.036	0.009	0.005	0.005	0.750
5	0.1250	0.1202	0.205	0.198	0.125	0.121	0.112	3/32	0.057	0.040	0.010	0.006	0.005	0.750
6	0.1380	0.1329	0.226	0.218	0.138	0.134	0.124	7/64	0.064	0.044	0.010	0.006	0.005	0.750
8	0.1640	0.1585	0.270	0.262	0.164	0.159	0.148	9/64	0.077	0.052	0.012	0.007	0.005	0.875
10	0.1900	0.1840	5/16	0.303	0.190	0.185	0.171	5/32	0.090	0.061	0.014	0.009	0.005	0.875
1/4	0.2500	0.2435	3/8	0.365	1/4	0.244	0.225	3/16	0.120	0.080	0.014	0.009	0.008	1.000
5/16	0.3125	0.3053	11/32	0.457	5/16	0.306	0.281	1/4	0.151	0.100	0.017	0.012	0.008	1.125
3/8	0.3750	0.3678	9/16	0.550	3/8	0.368	0.337	5/16	0.182	0.120	0.020	0.015	0.008	1.250
1/2	0.5000	0.4919	3/4	0.735	1/2	0.492	0.450	3/8	0.245	0.160	0.026	0.020	0.010	1.500
5/8	0.6250	0.6163	13/16	0.921	5/8	0.616	0.562	1/2	0.307	0.200	0.032	0.024	0.010	1.750

CHART 4 MATERIALS

TMC CODE	MATERIAL
S	STEEL, PLAIN
S	STAINLESS STEEL TYPE 18-8

CHART 5 FINISHES

TMC CODE	FINISH	TMC SPEC
N	BRIGHT NICKEL	S135
S	PASSIVATE - STAINLESS STEEL ONLY	S104
P	SILVER PLATE	S245
O	BLACK OXIDE	
C	CADMIUM PLATE	S105

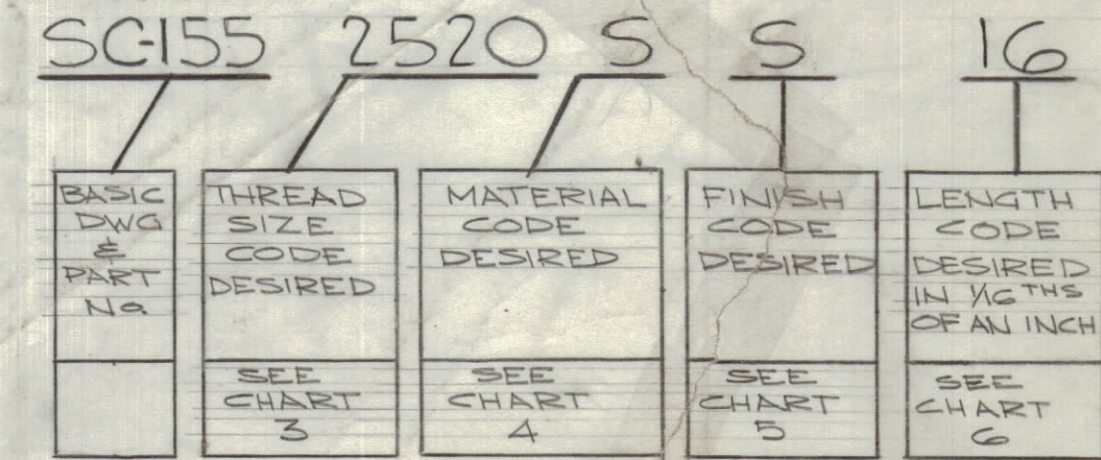
CHART 2

NOMINAL SIZE	2		3		4		5		6		8		10		1/4		5/16		3/8		1/2		5/8		
	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	L _G	L _B	
7/8	.250	.161	.250	.146																					
1			.250	.125	.250	.125																			
1 1/4	.625	.536	.625	.521					.500	.344	.375	.219	.375	.167											
1 1/2	.875	.786	.875	.771	.750	.625	.750	.625					.500	.250											
1 3/4	1.125	1.036	1.125	1.021					1.000	.844	.875	.719	.875	.667			.625	.347	.500	.187					
2			1.375	1.271	1.250	1.125	1.250	1.125						1.000	.750										
2 1/4									1.500	1.344	1.375	1.219	1.375	1.167			1.125	.847	1.000	.687	.750	.365			
2 1/2						1.750	1.625							1.500	1.250							.750	.295		
2 3/4									2.000	1.844	1.875	1.719	1.875	1.667			1.625	1.347	1.500	1.187					
3														2.000	1.750						1.500	1.115			
3 1/4											2.375	2.219	2.375	2.167			2.125	1.847	2.000	1.687			1.500	1.045	
3 1/2														2.500	2.125										
3 3/4											2.875	2.667					2.625	2.347	2.500	2.187	2.250	1.865			
4														3.000	2.750							2.250	1.795		

CHART 6

NOMINAL SCREW SIZE	NOMINAL SCREW LENGTH	STANDARD LENGTH INCREMENT
0	1/8 THRU 1/4	1/16
TO	1/4 THRU 1	1/8
1 INCH	1 THRU 3 1/2	1/4
INCL.	3 1/2 THRU 7	1/2

TMC PART NO TO BE IN THE FOLLOWING FORM:



IMPORTANT:
ALL SPECIFICATIONS SHALL BE IN ACCORDANCE WITH AMERICAN STD B18.3-1961

NOTES

STANDARD DRAWING

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
FINISH		TITLE		
SEE CHART 4		SCREW, CAP-CYLINDRICAL SOCKET HEAD, HEXAGON		
SEE CHART 5		DRAWN		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DATE 7-17-63		
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		CHECKED		
FRACTIONS ± 1/64 ANGLES ± 0° 30'		DATE 9-23-63		
TOLERANCES		ELECT. DES.		
		MECH. DES.		
		DATE		
		SHEET		
		REV. LTR.		

SC-155