

SC-157

REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
0	ORIGINAL RELEASE FOR PRODUCTION	5-16-64		SRG		

CHART-1

NOMINAL SIZE	D		A		H		S	J	T	F		L STANDARD LENGTH
	SCREW DIA.		HEAD DIA.		HEAD HEIGHT		HEAD SIDE HIGHT	HEX SOCKET SIZE	KEY ENGAGEMENT	FILLET		
	BASIC	MAX.	MIN.	MAX.	MIN.	DEF.	NOM	MIN.	MAX.	MIN		
2	0.0860	0.164	0.154	0.046	0.038	0.010	0.050	0.028	0.010	0.005	IN 1/16 <sup>th</sup> OF AN INCH	
3	0.0990	0.188	0.176	0.052	0.044	0.010	1/16	0.035	0.010	0.005		
4	0.1120	0.213	0.201	0.059	0.051	0.015	1/16	0.035	0.010	0.005		
5	0.1250	0.238	0.226	0.066	0.058	0.015	5/64	0.044	0.010	0.005		
6	0.1380	0.262	0.250	0.073	0.063	0.015	5/64	0.044	0.010	0.005		
8	0.1640	0.312	0.298	0.087	0.077	0.015	3/32	0.052	0.015	0.010		
10	0.1900	0.361	0.347	0.101	0.091	0.020	1/8	0.070	0.015	0.010		
1/4	0.2500	0.437	0.419	0.132	0.122	0.031	5/32	0.087	0.020	0.015		
5/16	0.3125	0.547	0.527	0.166	0.152	0.031	3/16	0.105	0.020	0.015		
3/8	0.3750	0.656	0.636	0.199	0.185	0.031	7/32	0.122	0.020	0.015		
1/2	0.5000	0.875	0.851	0.265	0.245	0.046	5/16	0.175	0.030	0.020		
5/8	0.6250	1.000	0.970	0.331	0.311	0.062	3/8	0.210	0.030	0.020		

CHART-2 THREAD SIZES & CODES

ALL THREADS SHALL BE CLASS 2A

THREAD SIZE	TMC THD. CODE	THREAD SERIES	THREAD SIZE	TMC THD. CODE	THREAD SERIES
2-56	0256	UNC	1/4-28	2528	UNF
3-48	0348	UNC	5/16-18	3118	UNC
4-40	0440	UNC	5/16-24	3124	UNF
5-40	0540	UNC	3/8-16	3716	UNC
6-32	0632	UNC	3/8-24	3724	UNF
8-32	0832	UNC	1/2-13	5013	UNC
8-36	0836	UNF	5/8-11	6210	UNC
10-24	1024	UNC			
10-32	1032	UNF			
1/4-20	2520	UNC			

CHART-4 FINISHES

TMC CODE	FINISH	TMC SPEC
N	BRIGHT NICKEL	S-135
S	PASSIVATE STAINLESS STEEL ONLY	S-104
P	SILVER PLATE	S-245
O	BLACK OXIDE	
C	CADMIUM PLATE	S-105

CHART-3 MATERIALS

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

CHART-5

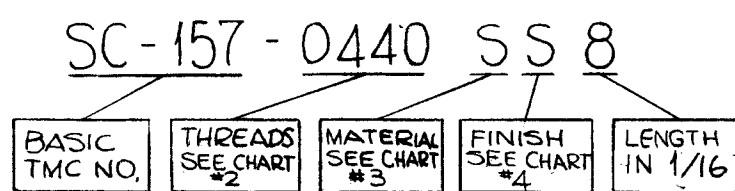
NOMINAL SCREW SIZE	NOMINAL SCREW LENGTH	STANDARD LENGTH INCREMENT
2 TO 5/8	1/8 THRU 1/4	1/16
	1/4 THRU 1	1/8
	1 THRU 2	1/4

1- THREAD LENGTH- FOR SCREWS OF LENGTHS EQUAL TO OR SHORTER THAN MAXIMUM LENGTHS LISTED IN CHART -1, THE COMPLETE (FULL FORM) THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, FOR LONGER SCREWS, THE LENGTH OF COMPLETE THREAD SHALL, AT THE OPTION OF THE MANUFACTURER, BE BETWEEN THE MINIMUM LIMIT OF TWICE THE DIAMETER PLUS 1/2" AND THE MAXIMUM LIMIT OF TO WITHIN 2 THREADS OF THE HEAD.

2- ALL SPECS SHALL BE IN ACCORDANCE WITH AMERICAN STD B 18.3-1961

NOTES

TMC PART NO. TO BE IN THE FOLLOWING FORM:



Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	

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REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
F. BUDETTI LIST OF MATERIAL				
MATERIAL			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
SEE CHART 3			TITLE	
FINISH			SCREW, CAP, SOCKET HEAD, BUTTON	
SEE CHART 4			DRAWN SRG	
UNLESS OTHERWISE SPECIFIED			DATE 11-27-63	
DIMENSIONS ARE IN INCHES AND INCLUDE			FINAL APPROVAL ROL	
CHEMICALLY APPLIED OR PLATED FINISHES			DATE	
DECIMALS			ELECT. DES. RB	
.X ± .05			DATE 4/13/64	
.XX ± .01			DATE	
.XXX ± .005			DATE 4/14/64	
FRACTIONS			SC-157	
± 1/64			0	
ANGLES			SHEET	
± 0° 30'			REV. LTR.	