



INACTIVE FOR NEW DESIGN AFTER APRIL 30, 1990.
USE NAS1801. FOR DESCRIPTION OF STATUS
NOTES SEE NAS380.

TABLE I ⑦

FIRST DASH NO.	THREAD PER MIL-S-7742	A	B	D	E	H(8) MIN	M MAX	U (REF)	CRUCIFORM RECESS SIZE	K(6) (REF)	P(6) (REF)
-1	6-32 UNC-3A	.115 .138	.250 .241	.080 .095	.067 .087	.210	.166	.016	2	.210	.012
-2	8-32 UNC-3A	.141 .164	.250 .241	.096 .110	.067 .087	.210	.166	.016	2	.210	.018
-3	10-32 UNF-3A	.167 .189	.313 .302	.105 .120	.082 .102	.272	.188	.016	2	.270	.020

MATERIAL: ⑦ ALLOY STEEL, 4037 (UNS G40370) PER AMS 6300, 4130 (UNS G41300) PER MIL-S-6758, 4340 (UNS G434000) PER MIL-S-5000 OR AMS 6415, 8630 (UNS G86300) PER MIL-S-6050, 8735 (UNS G87350) PER MIL-S-6098 OR 8740 (UNS G87400) PER MIL-S-6049. SEE NOTE 5.

HEAT TREATMENT: 125,000-145,000 PSI PER MIL-H-6875.
FINISH: CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2
CODE: FIRST DASH NUMBER INDICATES DIAMETER; SECOND DASH NUMBER INDICATES LENGTH IN 16ths

EXAMPLES:
NAS1096-2-12 = SCREW, 8-32 THREAD, 3/4 LONG
NAS1096-3-16 = SCREW, 10-32 THREAD, 1 LONG

- NOTES:
- GAGING OF THE CRUCIFORM RECESS SHALL BE IN ACCORDANCE WITH MS9006 GAGE PENETRATION E.
 - ORIENTATION OF RECESS SLOTS TO HEX IS OPTIONAL.
 - SCREWS SHALL BE FREE OF BURRS AND SLIVERS.
 - DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± 0.10 , ANGLES $\pm 5^\circ$.
 - ⑦ ~~ALLOY STEELS 4037, 8630 AND 8735 ARE INACTIVE FOR NEW DESIGN AFTER JUNE 1993. PARTS MANUFACTURED FROM THESE ALLOY STEELS MAY BE FURNISHED FROM SUPPLIERS STOCK UNTIL JUNE 1995.~~
 - CIRCULAR INDENTATION DEFINED BY DIMENSIONS "K" AND "P" IS OPTIONAL.
 - ⑦ PARTS MANUFACTURED AFTER JUNE 1993 SHALL INCLUDE HEADMARKING PER NAS1347, TYPE 1. PARTS MARKED TO PREVIOUS REVISION MAY BE DELIVERED FROM SUPPLIERS STOCK UNTIL JUNE 1995.
 - MIN DIA OF WASHER FACE UNDER HEAD, MAX DIA NOT TO EXCEED ACTUAL WIDTH ACROSS FLATS.
 - ⑦ CONCENTRICITY: "H" DIAMETER TO THREAD PITCH DIAMETER WITHIN .005 FJM.

LIST OF CURRENT SHEETS

SHT.	REV.
1	7

PROCUREMENT SPECIFICATION: MIL-S-7839 EXCEPT MATERIAL AS SPECIFIED HEREIN.

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE		THIRD ANGLE PROJECTION
PROCUREMENT SPECIFICATION	TITLE	CLASSIFICATION
NOTED	SCREW - HEX HEAD, RECESSED, FULL THREAD	STANDARD PART
		NAS 1096

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
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THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE
SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS
FROM THE LAST DATE OF APPROVAL SHOWN HEREON.

APPROVAL DATE MAY 1958 REVISION ⑦ 5 December 1996