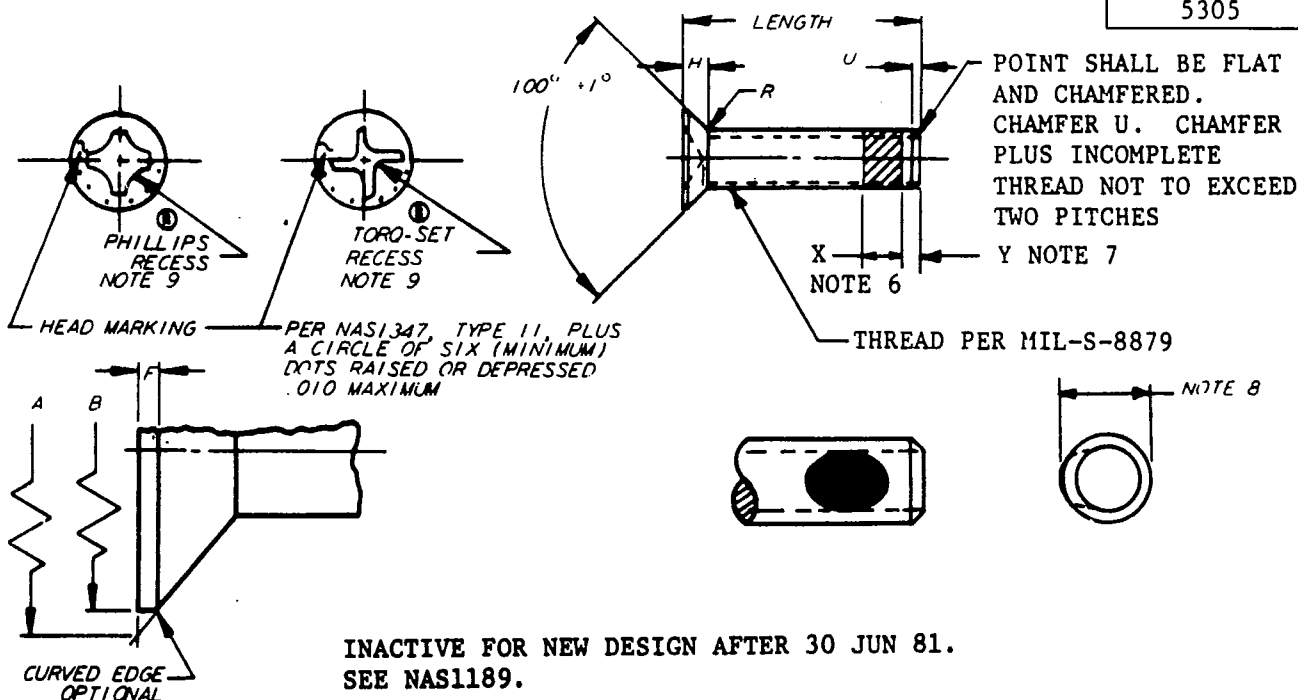


FED. SUP CLASS
5305

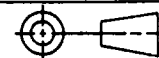
FIRST DASH NO.	THREAD	A DIA	B DIA MIN	F	H REF	R RAD	U REF	(10) UTS LB MIN
02	.0860-56 UNJC-3A	.176 .162	.126	.015 .005	.036	.015 .005	.010	591
04	.1120-40 UNJC-3A	.225 .213	.177	.015 .005	.045	.015 .005	.013	966
06	.1380-32 UNJC-3A	.279 .267	.231	.015 .005	.057	.020 .010	.016	1450
08	.1640-32 UNJC-3A	.332 .319	.270	.020 .010	.068	.020 .010	.016	2240
3	.1900-32 UNJF-3A	.385 .371	.322	.020 .010	.080	.020 .010	.016	3180
4	.2500-28 UNJF-3A	.507 .491	.442	.020 .010	.106	.020 .010	.018	5820
5	.3125-24 UNJF-3A	.635 .617	.568	.020 .010	.133	.020 .010	.021	9200
6	.3750-24 UNJF-3A	.762 .742	.694	.020 .010	.160	.020 .010	.021	14000

LIST OF CURRENT SHEETS

NO.	REV.	NO.	REV.
1	5	3	4
2	4		

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CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

THIRD
ANGLE
PROJECTIONPROCUREMENT
SPECIFICATION

NOTED

TITLE

SCREW, SELF-LOCKING - FLAT 100°
HEAD, FULL THREAD, PATCH TYPECLASSIFICATION
STANDARD PART

AIA/NAS

Documents

SHEET 1 OF 3

NATIONAL AEROSPACE STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., 1725 DE SALES STREET, N.W., WASHINGTON, D. C. 20036

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SECOND DASH NO.	LENGTH ±.016	SECOND DASH NO.	LENGTH ±.016	SECOND DASH NO.	LENGTH ±.016	SECOND DASH NO.	LENGTH ±.016
3	.188	8	.500	18	1.125	28	1.750
4	.250	10	.625	20	1.250	30	1.875
5	.312	12	.750	22	1.375	32	2.000
6	.375	14	.875	24	1.500	34 TO 96	2.125 TO 6.000
7	.438	16	1.000	26	1.625		

SECOND DASH NUMBER INDICATES LENGTH IN .0625 INCREMENTS, ROUNDED OFF TO 3 PLACE DECIMALS. INTERMEDIATE OR LONGER LENGTHS MAY BE SPECIFIED BY THE USE OF A WHOLE DASH NUMBER ONLY

MATERIAL: ALLOY STEEL - 4140 PER MIL-S-5626, 4340 PER MIL-S-5000 OR 8740 PER MIL-S-6049.

CORROSION RESISTANT STEEL - A286 WITH COMPOSITION PER AMS5731 OR AMS5737.
LOCKING ELEMENT - NYLON OR EQUIVALENT.

HEAT TREATMENT: ALLOY STEEL - 160,000 - 180,000 PSI UTS, 95 KSI
MIN SHEAR PER MIL-H-6875

CORROSION RESISTANT STEEL - 160,000 - 190,000 PSI UTS, 95 KSI (4)
MIN SHEAR AT ROOM TEMPERATURE

FINISH: ALLOY STEEL - CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2
CORROSION RESISTANT STEEL - PASSIVATE PER QQ-P-35
CAD PLATE PER QQ-P-416, TYPE II, CLASS 2
EXCEPT EMBRITTLEMENT TEST NEED NOT APPLY

~~PARTS WITH CLASS 3 CADMIUM PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 15 JULY 1976.~~

EXAMPLE OF PART NUMBER:

NAS1741C5R10U = SCREW, SELF-LOCKING, CRES, .3125-24 THREAD, PHILLIPS
RECESS, .625 LONG, NOT PLATED
NO PLATING (A286 ONLY); OMIT FOR PLATED PARTS
SECOND DASH NUMBER = LENGTH AS TABULATED
R = PHILLIPS RECESS
T = TORQ-SET
FIRST DASH NUMBER = SIZE AS TABULATED
"C" = CORROSION RESISTANT STEEL
"- " = ALLOY STEEL
DOCUMENT NUMBER

- NOTES:**
1. DIAMETER OF UNTHREADED PORTION OF SCREWS SHALL NOT BE LESS THAN MINIMUM PITCH DIAMETER NOR MORE THAN MAXIMUM MAJOR DIAMETER OF THREAD
 2. FOR SCREWS 2 INCHES LONG OR SHORTER, COMPLETE THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD. SCREWS OF LONGER LENGTH SHALL HAVE A MINIMUM COMPLETE THREAD LENGTH OF 1.750
 3. SCREWS SHALL BE FREE FROM BURRS AND SHARP EDGES
 4. CONCENTRICITY = CONICAL SURFACE OF HEAD AND PITCH DIAMETER SCREW TO BE WITHIN .005 TIR
 5. FOR CORROSION RESISTANT STEEL, MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH H = 200 OERSTEDS (MAGNETIC PERMEABILITY INDICATOR PER MIL-I-17214)

INACTIVE FOR NEW DESIGN AFTER 30 JUN 81.
SEE NAS1189.

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.