

FED. SUPPLY CLASS

5305

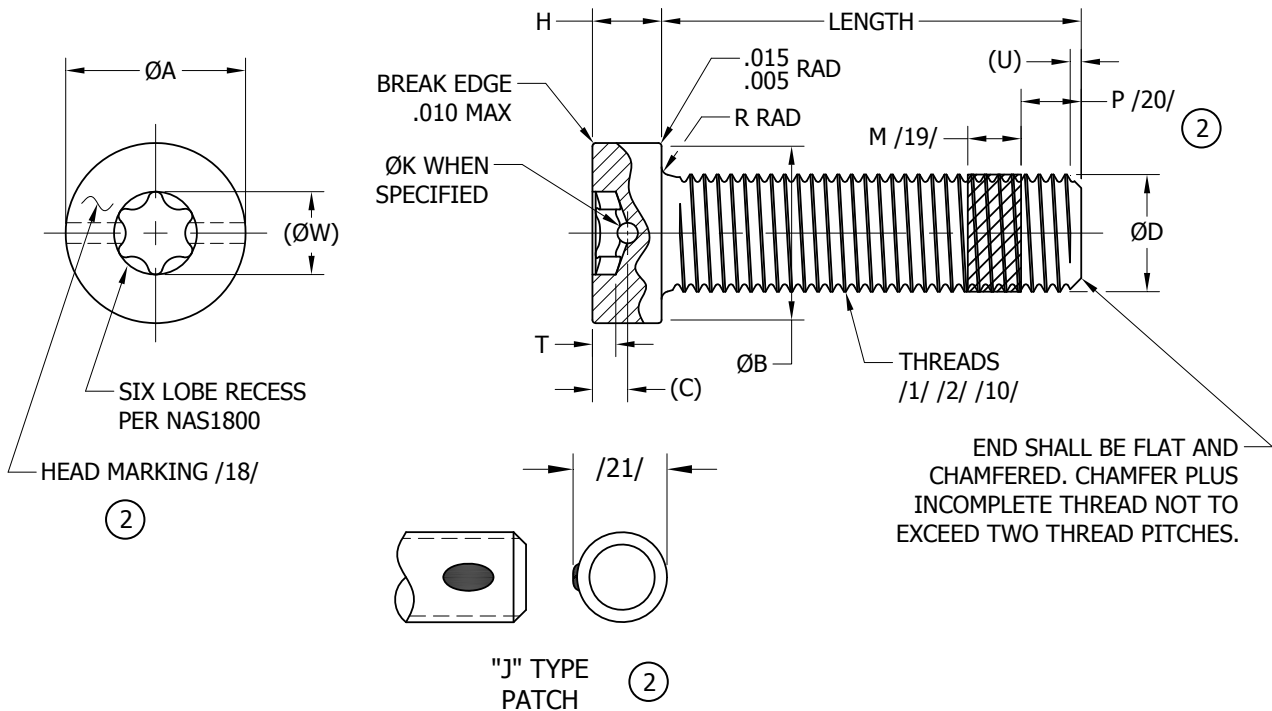


TABLE I - DIMENSIONS

DIA DASH NO.	THREADS /10/	RECESS SIZE	$\varnothing A$	$\varnothing B$ MIN	(C)	$\varnothing D$ MAX	H	$\varnothing K$	R RAD	(U)	($\varnothing W$)
02	.0860-56 UNJC-3A	T7	.140 .136	.126	--	.086	.053 .044	--	.010 .005	.010	.081
04	.1120-40 UNJC-3A	T10	.183 .178	.168	.034	.112	.069 .059	.042 .034	.010 .005	.013	.111
06	.1380-32 UNJC-3A	T10	.226 .221	.211	.044	.138	.086 .074	.042 .034	.010 .005	.016	.111
08	.1640-32 UNJC-3A	T20	.270 .265	.255	.049	.164	.102 .088	.042 .034	.020 .010	.016	.155
3	.1900-32 UNJF-3A	T20	.313 .306	.296	.056	.190	.118 .103	.042 .034	.020 .010	.016	.155
4	.2500-28 UNJF-3A	T30	.375 .367	.357	.075	.250	.150 .133	.068 .060	.020 .010	.018	.221
5	.3125-24 UNJF-3A	T30	.438 .429	.413	.094	.312	.183 .162	.068 .060	.020 .010	.021	.221
6	.3750-24 UNJF-3A	T40	.563 .552	.536	.113	.375	.215 .191	.068 .060	.025 .015	.021	.266

THIRD ANGLE PROJECTION

PROCUREMENT SPECIFICATION

NOTED

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

(2)

SCREW, FLAT FILLISTER HEAD, FULL THREAD, SELF-LOCKING OR NON-LOCKING, NAS1800 SIX LOBE RECESS

REVISION

2

CLASSIFICATION

PART STANDARD

NAS5311

SHEET 1 OF 4

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 09-01

REVISION DATE: NOVEMBER 30, 2012

ISSUE DATE: JULY 2006

TABLE II – LENGTH DIMENSIONS

TOLERANCE	+ .000 – .031	TOLERANCE	+ .000 – .062	TOLERANCE	+ .000 – .094
DASH NO.	LENGTH	DASH NO.	LENGTH	DASH NO.	LENGTH
3	.188	18	1.125	34 TO 96	2.125 TO 6.000
4	.250	20	1.250		
5	.312	22	1.375		
6	.375	24	1.500		
7	.438	26	1.625		
8	.500	28	1.750		
10	.625	30	1.875		
12	.750	32	2.000		
14	.875				
16	1.000				

TABLE III – INSPECTION DATA

DIA DASH NO.	T RECESS GAGING PENETRATION /3/	MIN TENSILE STRENGTH, LBF /12/	TORQUE MIN LBF-IN /5/	RAISED METAL MAX /5/
02	.033 .027	591	12	.005
04	.034 .028	966	19	.005
06	.050 .044	1450	27	.005
08	.050 .044	2240	42	.005
3	.065 .054	3180	75	.005
4	.065 .054	5820	175	.005
5	.075 .064	9200	300	.005
6	.080 .069	14000	500	.006

MATERIAL: CRES – A286 (UNS S66286) CONFORMING TO THE CHEMISTRY OF AMS5731, AMS5732, AMS5737 OR AMS5853.

TITANIUM ALLOY – 6AL-4V (UNS R56400) PER AMS4928 OR AMS4967.

- ② LOCKING ELEMENT – POLYETHYLENE TEREPHTHALATE (POLYESTER) PER AMS3612, OR POLYAMIDE-IMIDE PER AMS3670, COLOR OPTIONAL, 400 DEG F MAX. LOCKING TORQUE APPLICABLE FOR 5 TORQUE CYCLES.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS-H-6875 OR AMS2759 FOR CRES AND AMS-H-81200 OR AMS2801 FOR TITANIUM.

CRES – 160-190 KSI F_{TU}. PRECIPITATION HARDENING PER AMS5853 OR AMS2759. /12/

TITANIUM (6AL-4V) – 160 KSI F_{TU} MIN

REVISION

2

NAS5311
SHEET 2



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