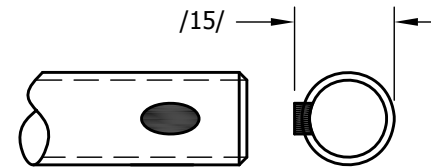
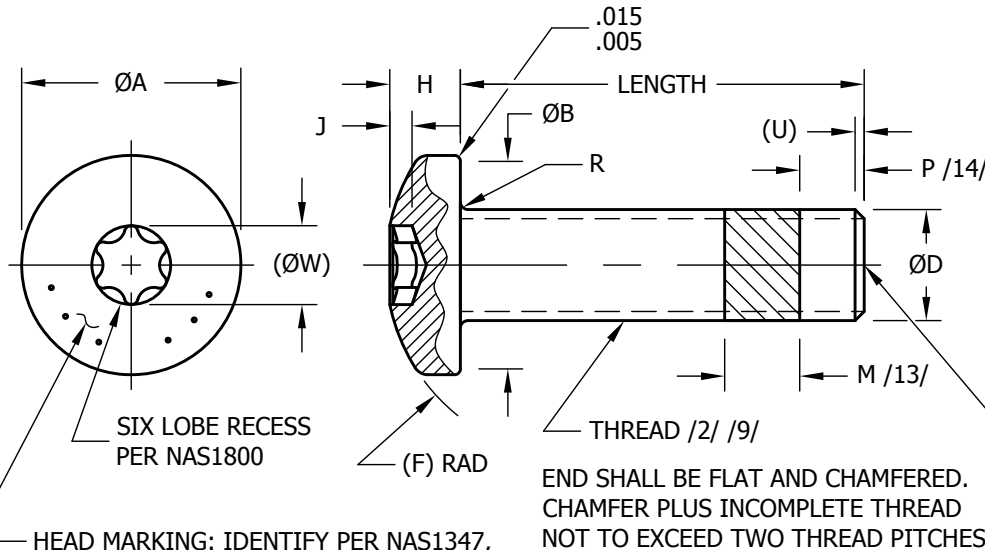


FED. SUPPLY CLASS

5305



"J" TYPE
(PATCH)

TABLE I – DIMENSIONS

DIA DASH NO	THREAD /9/	RECESS SIZE	ØA	ØB MIN	ØD MAX	(F) RAD	H	R RAD	(U)	(ØW)	J RECESS GAGING PENETRATION /3/ MAX MIN		MIN TENSILE STRENGTH LBF /12/	TORQUE MIN LBF-IN /5/	RAISED METAL MAX /5/
02	.0860-56 UNJC-3A	T7	.167 .155	.149	.086	.132	.062 .053	.010 .005	.010	.081	.033	.027	435	12	.005
04	.1120-40 UNJC-3A	T10	.219 .205	.195	.112	.173	.080 .070	.010 .005	.013	.111	.034	.028	765	19	.005
06	.1380-32 UNJC-3A	T10	.270 .256	.242	.138	.207	.097 .087	.010 .005	.016	.111	.050	.044	1,200	27	.005
08	.1640-32 UNJC-3A	T20	.322 .306	.289	.164	.244	.115 .105	.020 .010	.016	.155	.050	.044	1,950	42	.005
3	.1900-32 UNJF-3A	T20	.373 .357	.331	.190	.284	.133 .122	.020 .010	.016	.155	.065	.054	3,180	58	.005
4	.2500-28 UNJF-3A	T30	.492 .473	.424	.250	.373	.175 .162	.020 .010	.018	.221	.065	.054	5,820	125	.005
5	.3125-24 UNJF-3A	T30	.615 .594	.518	.312	.527	.218 .203	.020 .010	.021	.221	.075	.064	9,200	250	.005
6	.3750-24 UNJF-3A	T40	.740 .716	.611	.375	.652	.261 .244	.025 .015	.021	.266	.080	.069	14,000	430	.006

THIRD
ANGLE
PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
2

PROCUREMENT
SPECIFICATION

NOTED

TITLE
**SCREW, PAN HEAD, FULL THREAD,
SELF-LOCKING AND NON-LOCKING,
NAS1800 SIX LOBE RECESS**

CLASSIFICATION
PART STANDARD

NAS5317
SHEET 1 OF 4
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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.

LOCKING ELEMENT – POLYETHYLENE TEREPHTHALATE (POLYESTER) PER AMS3612, OR POLYAMIDE-IMIDE PER AMS3670, COLOR OPTIONAL, 400 °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 FTU. PRECIPITATION HARDENING PER AMS5853 OR AMS2759. /12/

TITANIUM (6AL-4V): 160 KSI FTU MIN.

FINISH: CRES – PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4 OR CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.

TITANIUM ALLOY – NONE OR ALUMINUM PIGMENTED COATING PER NAS4006 WITH CETYL ALCOHOL LUBRICANT PER AS87132, TYPE III, GRADE B.

CODE: (2) BASIC PART NUMBER = PAN HEAD SCREW, NAS1800 SIX LOBE RECESS MATERIAL CODE AFTER BASIC NUMBER:
ADD "E" FOR CRES.
ADD "V" FOR TITANIUM.
DIAMETER DASH NUMBER DESIGNATES DIAMETER AND THREAD PER TABLE I.
FINISH CODE AFTER DIAMETER DASH NUMBER:
ADD "-" FOR PASSIVATION (CRES ONLY).
ADD "-" FOR BARE TITANIUM.
ADD "A" FOR ALUMINUM PIGMENTED COATING (TITANIUM ONLY).
ADD "P" FOR CADMIUM PLATING (CRES ONLY).
LENGTH DASH NUMBER DESIGNATES NOMINAL LENGTHS IN .0625 INCREMENTS.
INTERMEDIATE OR LONGER LENGTHS MAY BE SPECIFIED BY USE OF WHOLE DASH NUMBERS ONLY. USE OF .25 INCREMENTS IS RECOMMENDED FOR SCREWS OVER 3 INCHES LONG.

(2) TYPE CODE AFTER LENGTH DASH NUMBER:
ADD "J" FOR POLYETHYLENE TEREPHTHALATE (POLYESTER) OR POLYAMIDE-IMIDE LOCKING ELEMENT, AVAILABLE IN PATCH FORM ONLY.
NO CODE = NON-LOCKING THREAD

EXAMPLES OF PART NUMBERS:

NAS5317E3-10J	=	SCREW, SELF-LOCKING, .1900-32 THREAD, PASSIVATED CRES, .625 GRIP, POLYESTER PATCH.
NAS5317V5-15J	=	SCREW, SELF-LOCKING, .3125-24 THREAD, TITANIUM ALLOY, .938 GRIP, POLYESTER PATCH.
NAS5317V5A15J	=	SCREW, SELF-LOCKING, .3125-24 THREAD, ALUMINUM PIGMENTED COATED TITANIUM, .938 GRIP, POLYESTER PATCH.
NAS5317E08P10J	=	SCREW, SELF-LOCKING .1640-32 THREAD, CADMIUM PLATED CRES, .625 GRIP, POLYESTER PATCH.
(2) NAS5317E3-10	=	SCREW, NON-LOCKING, .1900-32 THREAD, PASSIVATED CRES, .625 GRIP.

REVISION

2

NAS5317
SHEET 2



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