

FED.SUPPLY CLASS

5306

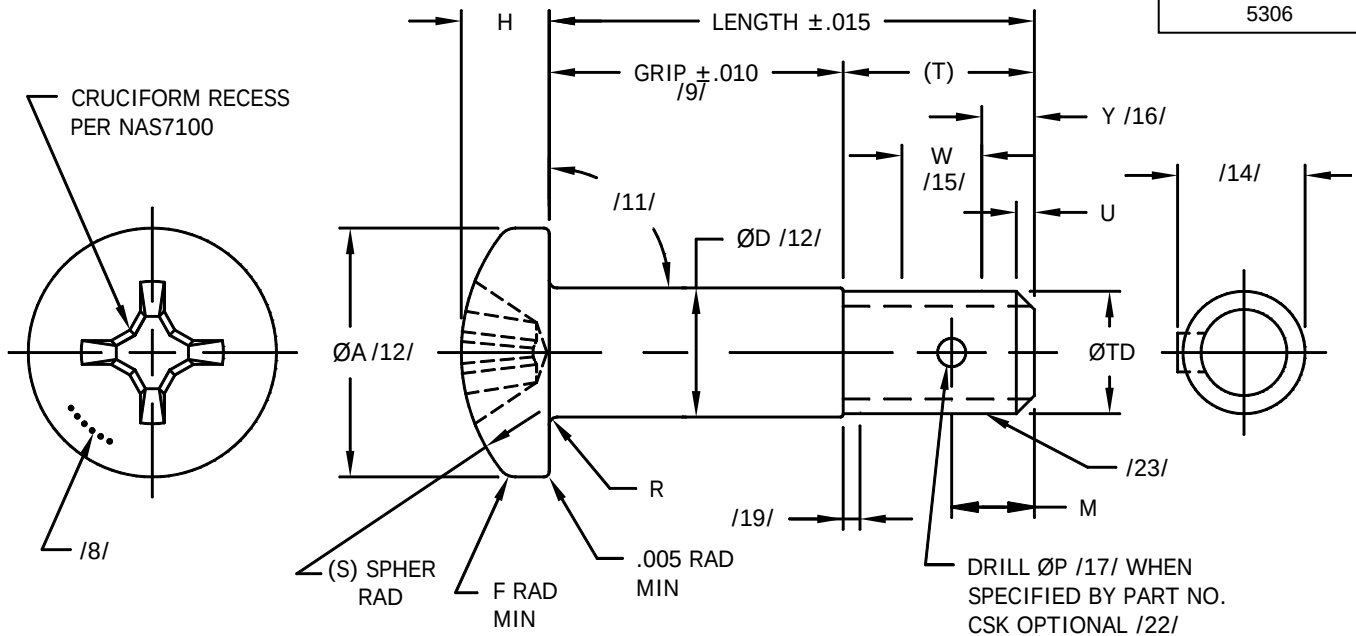


FIGURE 1 – BOLT CONFIGURATION

TABLE I – DIMENSIONS (CONTINUED ON SHEET 2)

BASIC NUMBER	THREAD SIZE	ØA	ØD		H	M	ØP / 17/
			UNPLATED	PLATED OR COATED			
NAS7800	.1120-40	.219	.1115	.1115	.080	--	--
		.205	.1110	.1105	.070		
NAS7801	.1380-32	.270	.1375	.1375	.097	--	--
		.256	.1370	.1365	.087		
NAS7802	.1640-32	.322	.1635	.1635	.115	--	--
		.306	.1630	.1625	.105		
NAS7803	.1900-32	.373	.1895	.1895	.133	.174	.075
		.357	.1890	.1885	.122	.154	
NAS7804	.2500-28	.492	.2495	.2495	.175	.180	.081
		.473	.2490	.2485	.162	.160	
NAS7805	.3125-24	.615	.3120	.3120	.218	.192	.076
		.594	.3115	.3110	.203	.172	
NAS7806	.3750-24	.740	.3745	.3745	.261	.193	.111
		.716	.3740	.3735	.244	.173	

/8/,/9/, ETC: SEE NOTES ON SHEET 3

⑦ COMPLETELY REVISED

THIRD ANGLE PROJECTION

CUSTODIAN
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PROCUREMENT SPECIFICATION
NOTED ON SHEET 4

TITLE
BOLT, PAN HEAD, CLOSE TOLERANCE, SHORT THREAD, CRUCIFORM RECESS, A286 CRES, SELF-LOCKING AND NON-LOCKING

CLASSIFICATION
PART STANDARD

NAS7800 THRU NAS7806
SHEET 1 OF 6

TABLE I – DIMENSIONS (CONTINUED)

BASIC NUMBER	R RAD	F MIN	(S) /10/	(T) /10/	ØTD	U MAX	W /15/	Y /16/	AA /12/	BB /13/	RECESS SIZE			
NAS7800	.010	.010	.173	.238	.1085 .1065	.031	.125	.075	.0045	.0040	1			
NAS7801		.005	.015	.207	.276	.1340 .1315	.039	.156			.094	2		
NAS7802	.020 .010	.015	.244	.323	.1595 .1570	.045						.179	.107	2
NAS7803		.020	.284	.323	.1840 .1810									2
NAS7804		.035	.373	.370	.2440 .2410	.052	.208	.125		.0030	3			
NAS7805		.040	.527	.438	.3060 .3020						4			
NAS7806	.025 .015	.040	.652	.454	.3680 .3640					.0025	4			

TABLE II – RECESS PERFORMANCE

BASIC NUMBER	MIN. TORQUE /20/	
	TORQUE INCH POUNDS	RECESS NUMBER
NAS7800	-	1
NAS7801	-	2
NAS7802	35	2
NAS7803	50	2
NAS7804	125	3
NAS7805	-	4
NAS7806	-	4

MATERIAL CRES - A286 (UNS S66286) CONFORMING TO THE CHEMISTRY OF AMS5731, AMS5732, AMS5737 OR AMS5853.
LOCKING ELEMENT- NYLON OR EQUIVALENT PER MIL-DTL-18240 AND QPL-18240.

HEAT TREAT: DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER MIL-H-6875-AMS2759: /21/ 160-190 KSI FLU, 95 KSI MINIMUM SHEAR, PRECIPITATION HARDENING PER AMS5853.

FINISH: UNPLATED BOLTS - PASSIVATE TO MEET THE REQUIREMENTS OF AMS2700, METHOD 1, CLASS 4
CADMIUM PLATED BOLTS - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
IDENTIFY WITH GREEN DYE OR PAINT ON THE THREAD END. MAXIMUM COVERAGE MAY INCLUDE THE CHAMFER PLUS ONE INCOMPLETE THREAD.
CHROMIUM PLATED BOLTS - CHROMIUM PLATE PER AMS-QQ-C-320, CLASS 2 ON SHANK ONLY.
ALL OTHER SURFACES CADMIUM PLATED. NO CHROMIUM PLATE WITHIN .020 OF LINE OF TANGENCY OF HEAD-TO-SHANK FILLET. CHROMIUM IN THREAD RUNOUT PERMITTED.
CHROMIUM PLATED BOLTS NOT AVAILABLE WITH GRIP DASH NUMBER 1 OR 2.
ALUMINUM COATED BOLTS - ALUMINUM COAT PER NAS4006.

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NAS7800 THRU
NAS7806
SHEET 2



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