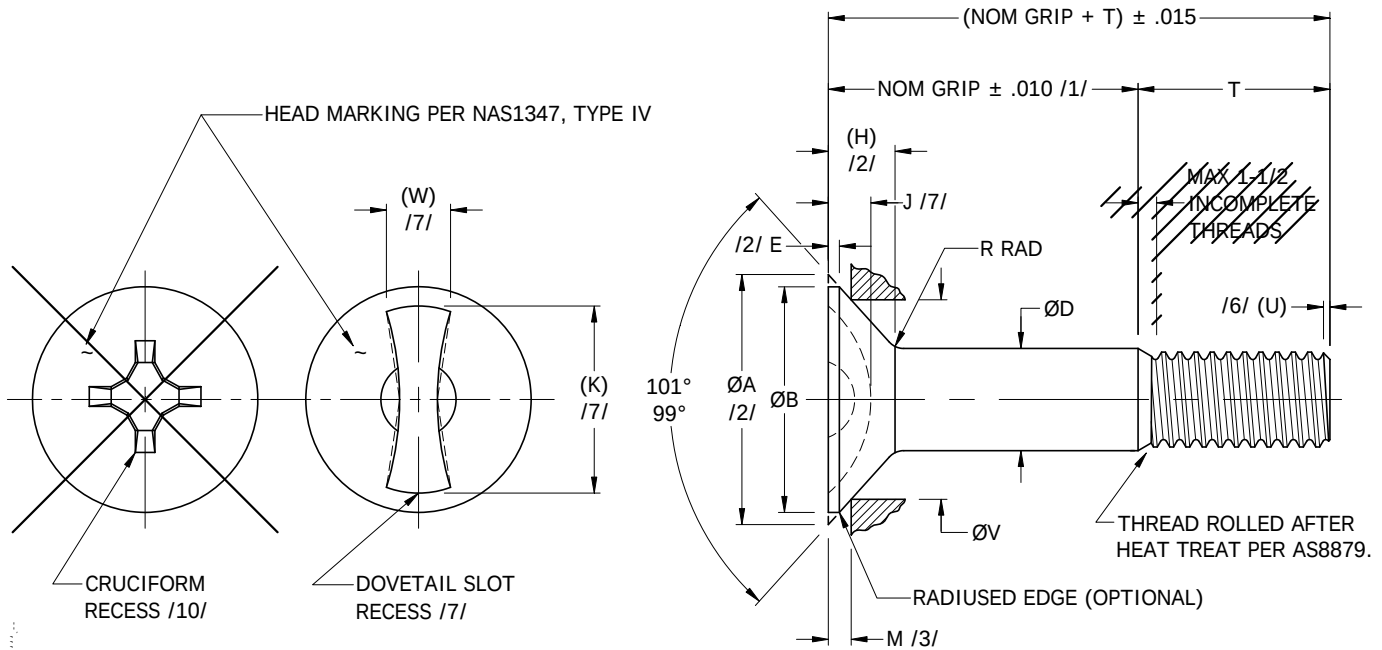


FED. SUPPLY CLASS

5306

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



**RESTRICTED USAGE: FOR REPAIR WORK ONLY.
.0156 OVERSIZE SHANK FOR REPLACEMENT OF NAS583 THRU NAS590.**

TABLE I – DIMENSIONS AND STRENGTH VALUES

BASIC PART NO.	THREAD UNJF-3A	ØA /2/ MAX	ØB MIN	ØD	E /2/ MAX	(H) /2/	M GAGE PROT /3/	R RAD	T	(U) /6/	ØV GAGE	Y FIM /4/	Z FIM /5/	DOVETAIL SLOT RECESS /7/				
														RECESS NO.	J	(K)	(W)	TORQUE IN-LBF MIN
NAS1703	.1900-32	.3813	.339	.2026 .2016	.015	.074	.0285 .0255	.035 .015	.406	.050	.3147 .3145	.005	.0040	3	.045 .042	.305	.110	50
NAS1704	.2500-28	.5066	.464	.2651 .2641	.015	.100	.0338 .0309	.035 .015	.469	.050	.4245 .4243	.006	.0030	4	.054 .051	.422	.134	125
NAS1705	.3125-24	.6335	.578	.3276 .3266	.015	.127	.0409 .0370	.045 .025	.531	.060	.5389 .5387	.007	.0030	5	.064 .061	.490	.160	250
NAS1706	.3750-24	.7604	.717	.3901 .3891	.015	.154	.0459 .0422	.045 .025	.641	.060	.6532 .6530	.008	.0025	6	.088 .084	.639	.198	430
NAS1707	.4375-20	.8884	.826	.4526 .4516	.022	.182	.0470 .0425	.055 .035	.656	.080	.7784 .7782	.009	.0025	7	.100 .096	.715	.224	925
NAS1708	.5000-20	1.0139	.951	.5151 .5141	.022	.208	.0529 .0482	.055 .035	.781	.080	.8902 .8900	.010	.0020	8	.105 .101	.766	.256	1210
NAS1709	.5625-18	1.1408	1.071	.5771 .5761	.025	.235	.0590 .0541	.055 .035	.906	.090	1.0028 1.0026	.010	.0020	9	.118 .114	.877	.300	1760
NAS1710	.6250-18	1.2723	1.201	.6396 .6386	.025	.264	.0683 .0631	.055 .035	.953	.090	1.1124 1.1122	.010	.0020	10	.141 .137	1.020	.344	2460

⑩ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 10
PROCUREMENT SPECIFICATION NOTED	TITLE BOLT, 100° FLUSH HEAD, .0156 OVERSIZE, ALLOY STEEL, 160 KSI Ft_u	CLASSIFICATION PART STANDARD
		NAS1703 THRU NAS1710 SHEET 1 OF 4

TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

BASIC PART NO.	DOUBLE SHEAR STRENGTH LBF MIN	GRUCIFORM RECESS		DOVETAIL SLOT RECESS
		RECESS NO.	ULT. TENSILE STRENGTH LBF MIN	
NAS1703	5,380	2	2,490	3,180
NAS1704	9,300	3	4,520	5,790
NAS1705	14,600	4	7,240	9,260
NAS1706	21,000	4	10,900	14,000
NAS1707	28,600	4	14,800	19,000
NAS1708	37,300	4	19,900	25,600
NAS1709	47,200	4	25,300	32,400
NAS1710	58,300	5	31,900	40,900

MATERIAL:

ALLOY STEEL - 4140 (UNS G41400) PER MIL-S-5626 AMS6382, 4340 (UNS G43406) PER MIL-S-5000 AMS6415 OR AMS6484, OR 8740 (UNS G87400) PER MIL-S-6049 AMS6322, AMS6325 OR AMS6327.

HEAT TREAT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759.

ALLOY STEEL: 160-180 KSI Ft_u

FINISH:

NO LETTER BEFORE GRIP DASH NUMBER DESIGNATES CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2. LETTER "T" BEFORE GRIP DASH NUMBER DESIGNATES CAEMIUM PLATE PER QQ-P 416, TYPE II, CLASS 2.

CODE:

DASH NUMBER INDICATES GRIP LENGTH IN .0625 INCH INCREMENTS (CONVERTED TO THREE DECIMAL PLACES PER ANSI Y14.5). INTERMEDIATE AND LONGER GRIP LENGTHS THAN THOSE LISTED ON PAGE 3 MAY BE ORDERED BY USE OF SIGNIFICANT DASH NUMBERS.

NO LETTER FOLLOWING GRIP DASH NUMBER INDICATES "HI TORQUE" RECESS.

LETTER "R" FOLLOWING GRIP DASH NUMBER INDICATES "PHILLIPS" RECESS.

EXAMPLE OF PART NUMBER:

NAS1704-5 = .2500-28 STEEL BOLT; .312 GRIP LENTGH; TYPE II, CLASS 2 CADMIUM PLATE; .0156 OVERSIZE SHANK (DOVETAIL SLOT RECESS).

NAS1704 5R = .2500-28 STEEL BOLT; .312 GRIP LENTGH; TYPE II, CLASS 2 CADMIUM PLATE; .0156 OVERSIZE SHANK (CRUCIFORM RECESS).

NOTES:

- /1/ GRIP LENGTH IS FROM TOP OF BOLT HEAD TO END OF FULL CYLINDRICAL PORTION OF SHANK.
- /2/ "ØA", "E" AND "H" ARE INCLUDED FOR ENGINEERING REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR INSPECTION. VALUES "ØA", "E" AND "H" ARE CALCULATED LIMITS RESULTING FROM TOLERANCE ON "ØB", "ØD", "M", "ØV" AND HEAD ANGLE.
- /3/ DIMENSIONS FOR "M" GAGE PROTRUSION SHALL BE INSPECTED PER NAS527.

REVISION

10

NAS1703 THRU
NAS1710

SHEET 2

⑩ COMPLETELY REVISED

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