

FED. SUPPLY CLASS

5305

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 12-01

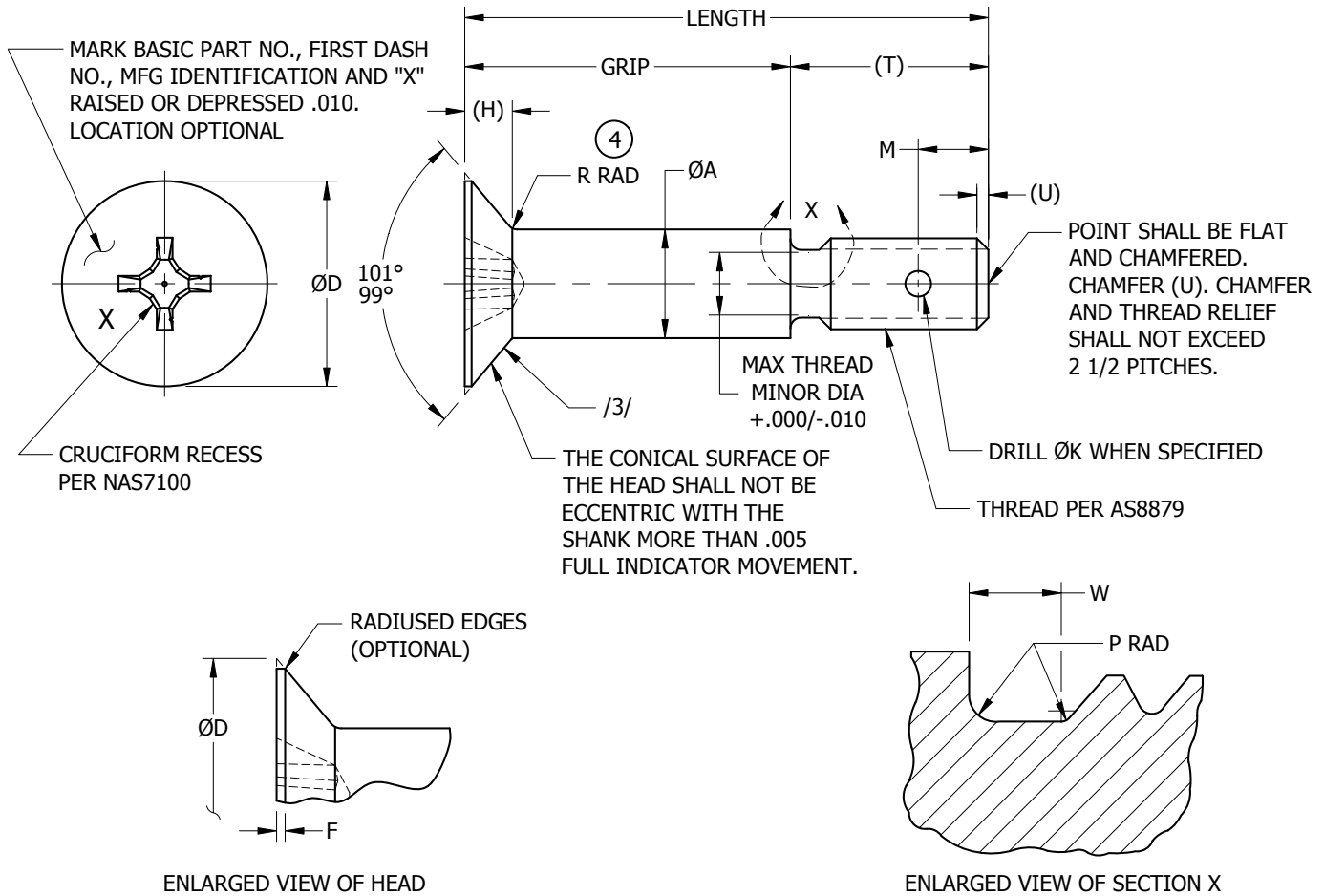


TABLE I – DIMENSIONS

DIA DASH NO.	THREAD	ØA		ØD			F MAX	(H)	ØK +.010 -.000	M ±.010	P RAD MAX	R RAD		(T)	(U)	W	
		MAX	MIN	MAX SHARP	MIN SHARP	ABSOLUTE MIN WITH MAX F						MAX	MIN			MAX	MIN
06	.1380-32 UNJC-3A	.189	.186	.385	.371	.327	.016	.080	-	-	.020	.015	.005	.362	.016	.062	.031
3	.1900-32 UNJF-3A	.249	.246	.507	.491	.447	.018	.106	.070	.163	.020	.015	.005	.362	.016	.062	.031
4	.2500-28 UNJF-3A	.312	.309	.635	.617	.569	.020	.133	.076	.178	.023	.020	.010	.453	.018	.071	.035
5	.3125-24 UNJF-3A	.374	.371	.762	.742	.686	.025	.159	.076	.181	.027	.020	.010	.498	.021	.083	.042
6	.3750-24 UNJF-3A	.437	.433	.890	.868	.805	.026	.186	.106	.197	.027	.020	.010	.607	.021	.083	.042
7	.4375-20 UNJF-3A	.499	.495	1.017	.992	.919	.030	.213	.106	.201	.033	.020	.010	.629	.025	.100	.050

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		4	
PROCUREMENT SPECIFICATION	NONE	TITLE		CLASSIFICATION PART STANDARD	
		SCREW, 100° FLAT HEAD, SHOULDER		NAS1299 SHEET 1 OF 3	



Documents
SHEET 1 OF 3

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MATERIAL:

ALLOY STEEL PER NASM7839.

HEAT TREATMENT:

125,000-145,000 PSI PER AMS2759.

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.

PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 15 SEPT. 1977.

CODE:

DIA DASH NUMBER INDICATES THREAD SIZE PER TABLE I.

GRIP DASH NUMBER INDICATES GRIP LENGTH PER TABLE II.

LETTER "D" BETWEEN DASH NUMBERS INDICATES DRILLED SHANK.

EXAMPLE OF PART NUMBER:

- ④
- NAS1299-5-10 = SCREW, .3125-24 THREAD, .374 MAX DIAMETER WITH .635 GRIP LENGTH.
 NAS1299-5D10 = SCREW, .3125-24 THREAD, .374 MAX DIAMETER WITH .635 GRIP LENGTH,
 DRILLED SHANK.

NOTES:

- (1) REMOVE ALL BURRS AND SHARP EDGES.
- (2) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /3/ HEADED BLANKS FOR AN509 OR NASM24694 SCREWS MAY BE USED.
- (4) DIMENSIONING AND GAGING OF THE RECESS SHALL BE IN ACCORDANCE WITH NAS7100 THE 1950 SUPPLEMENT TO HANDBOOK H-28 SCREW THREADS FOR FEDERAL SERVICES 1944.
- (5) ROLLED OR CUT THREADS OPTIONAL.
- /6/ GRIP DASH NUMBER INDICATES GRIP LENGTH IN .0625 INCREMENTS +.010. ADDITIONAL INTERMEDIATE OR LONGER LENGTHS MAY BE SPECIFIED BY USE OF WHOLE DASH NUMBERS ONLY.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- ④ (9) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

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NAS1299-5

SHEET 2

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