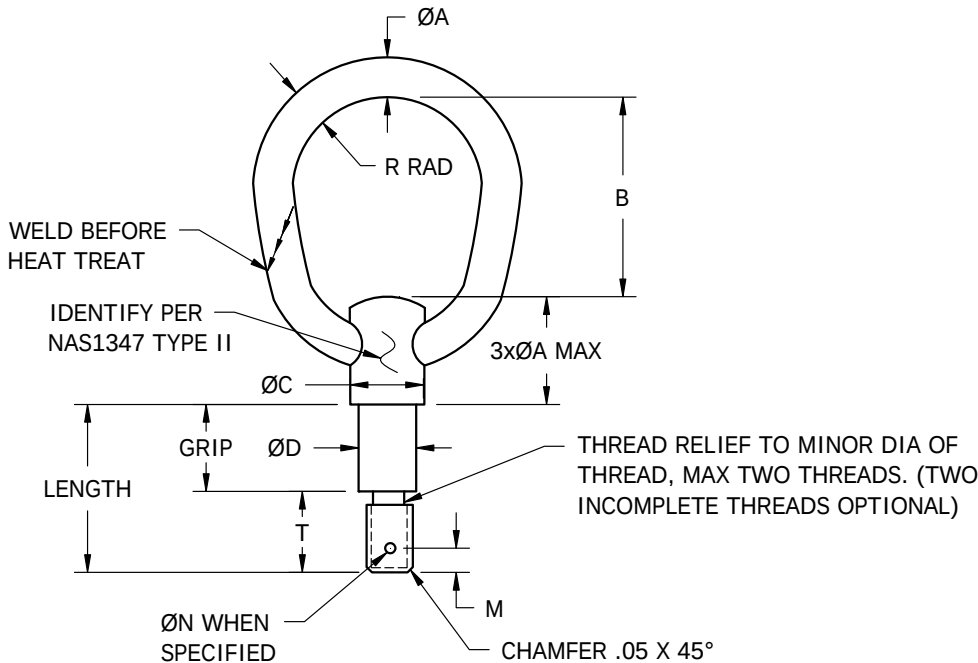


ALTERNATE STUD

6 TABLE I – DIMENSIONS

BASIC PART NO.	RATED CAPACITY LBF	ØA ± .020	B ± .10	ØC MIN	ØD +.000 - .005	R RAD ± .06	T THREAD LENGTH ± .030	ØN +.010 - .000	M ± .010	MAX WT LBF /4/	THREAD AS8879
NAS1251-2	2,000	.250	1.88	.562	.373	.88	.632	.076	.181	.134	.3125-24 UNJF-3A
NAS1251-5	5,000	.375	1.88	.688	.559	.88	.745	.106	.197	.305	.4375-20 UNJF-3A
/5/ NAS1251-10	10,000	.437	2.31	1.375	1.248	1.25	1.658	.141	.357		1 1/8-12 UNJF-3A
NAS1251-25	25,000	.687	2.63	1.375	1.248	1.25	1.658	.141	.357		1 1/8-12 UNJF-3A
NAS1251A10	10,000	.437	2.31	1.375	.748	1.25	.875	.141	.218	.487	.5625-18 UNJF-3A
NAS1251A25	25,000	.687	2.63	1.375	.998	1.25	1.125	.141	.251	1.931	.7500-16 UNJF-3A

MATERIAL: STEEL PER NAS498.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS-H-6875 OR AMS2759: 160 TO 180 KSI.

FINISH: CADMIUM PLATE, AMS-QQ-P-416, TYPE II, CLASS 3 OR ZINC PLATE, ASTM B633, TYPE II, SC 1.

CODE: BASIC PART NUMBER FROM TABLE I DESIGNATES SWIVEL SIZE AND SHANK DIAMETER.
SECOND DASH NUMBER INDICATES GRIP LENGTH IN .0625 INCREMENTS, ROUNDED TO THREE DECIMAL PLACES.
USE "D" IN LIEU OF 2ND DASH FOR DRILLED THREAD.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 6
PROCUREMENT SPECIFICATION NONE	TITLE BOLT, RING, SWIVEL	CLASSIFICATION PART STANDARD
		NAS1251 SHEET 1 OF 2

EXAMPLES OF PART NUMBER:

- ⑥ NAS1251-5D8 = BOLT, RING, 5,000 LBF RATED CAPACITY DRILLED THREAD, .500 GRIP LENGTH
 NAS1251A10-0 = BOLT, RING, 10,000 LBF RATED CAPACITY WITHOUT DRILLED THREAD, THREADED TO SHOULDER

NOTES:

- (1) MINIMUM ULTIMATE CAPACITY OF EYE SHALL BE 1.4 TIMES THE RATED CAPACITY. RING MAY BE IN ANY POSITION IN RELATION TO STUD.
- (2) ASSEMBLY OF RING AND STUD MUST PERMIT FREE MOVEMENT OF RING THRU 180 DEGREES.
- ⑥ (3) MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M.
- /4/ MAXIMUM WEIGHT SPECIFIED IS FOR PARTS IDENTIFIED WITH SECOND DASH NUMBER OF "0" THREADED TO SHOULDER.
- ⑥ /5/ DASH NO. "10" AND "25" INACTIVE FOR DESIGN AFTER APRIL 1, 1960. SUPERSEDED BY "A10" AND "A25". FOR DESCRIPTION OF STATUS NOTES SEE NAS380.
- /6/ INTERMEDIATE OR LONGER LENGTHS MAY BE SPECIFIED BY USE OF WHOLE DASH NUMBERS ONLY.
- (7) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- ⑥ (10) 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.
- (11) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

TABLE II – GRIP LENGTHS /6/

SECOND DASH NUMBER	GRIP ± .010	LENGTH					
		NAS1251-2	NAS1251-5	NAS1251-10 /5/	NAS1251-25 /5/	NAS1251A10	NAS1251A25
0	—	.632	.745	1.658	1.658	.875	1.125
4	.250	.882	.995	1.908	1.908	1.125	1.375
5	.312	.944	1.057	1.970	1.970	1.187	1.437
6	.375	1.007	1.120	2.033	2.033	1.250	1.500
7	.437	1.069	1.182	2.095	2.095	1.312	1.562
8	.500	1.132	1.245	2.158	2.158	1.375	1.625
10	.625	1.257	1.370	2.283	2.283	1.500	1.750
12	.750	1.382	1.495	2.408	2.408	1.625	1.875
14	.875	1.507	1.620	2.533	2.533	1.750	2.000
16	1.000	1.632	1.745	2.658	2.658	1.875	2.125
20	1.250	1.882	1.995	2.908	2.908	2.125	2.375
24	1.500	2.132	2.245	3.158	3.158	2.375	2.625
28	1.750	2.382	2.495	3.408	3.408	2.625	2.875
32	2.000	2.632	2.745	3.658	3.658	2.875	3.125

REVISION

6

NAS1251
SHEET 2



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