

FED. SUPPLY CLASS

5306

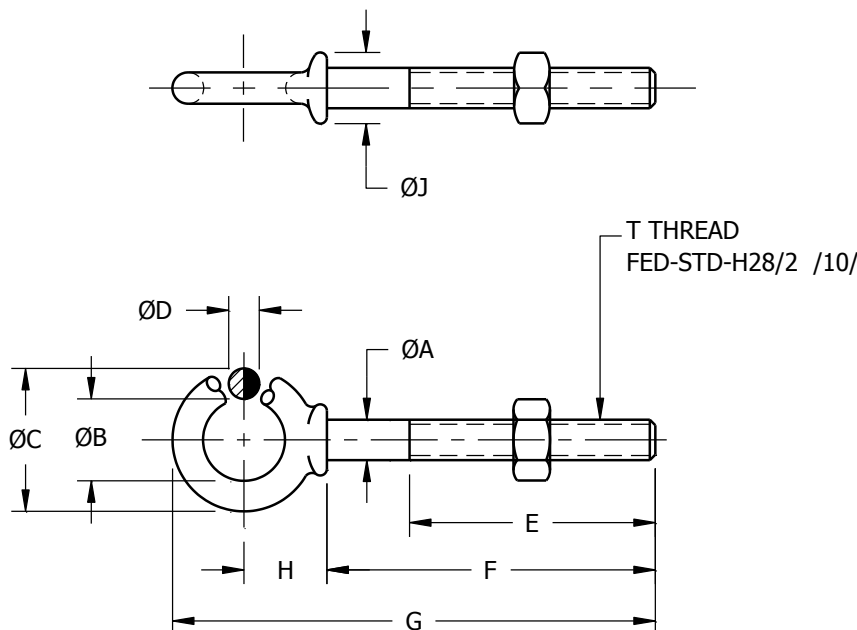


TABLE I – DIMENSIONS

PART NUMBER	ØA		ØB	ØC	ØD	E	F	G	H	ØJ	T THREAD	APPROX WEIGHT LB
	MIN	MAX										
NAS1053-04-08	.25	.28	.50	.88	.19	1.50	2.00	2.94	.50	.47	.2500-20 UNC-2A	.062
NAS1053-04-16						2.50	4.00	4.94				.099
NAS1053-05-09	.31	.34	.62	1.12	.25	1.50	2.25	3.50	.69	.56	.3125-18 UNC-2A	.12
NAS1053-05-17						2.50	4.25	5.50				.17
NAS1053-06-10	.38	.41	.75	1.38	.31	1.50	2.50	3.97	.78	.66	.3750-16 UNC-2A	.205
NAS1053-06-18						2.50	4.50	5.97				.275
NAS1053-08-13	.50	.53	1.00	1.75	.38	1.50	3.25	5.12	1.00	.91	.5000-13 UNC-2A	.42
NAS1053-08-24						3.00	6.00	7.88				.59
NAS1053-10-16	.62	.65	1.25	2.25	.50	2.00	4.00	6.44	1.31	1.12	.6250-11 UNC-2A	.83
NAS1053-10-24						3.00	6.00	8.44				.99
NAS1053-12-18	.75	.78	1.50	2.75	.62	2.00	4.50	7.44	1.56	1.38	.7500-10 UNC-2A	1.43
NAS1053-12-24						3.00	6.00	8.94				1.77
NAS1053-14-20	.88	.91	1.75	3.25	.75	2.50	5.00	8.47	1.84	1.56	.8750-9 UNC-2A	2.23
NAS1053-14-24						4.00	8.00	11.47				2.66
NAS1053-16-24	1.00	1.06	2.00	3.75	.88	3.00	6.00	9.97	2.09	1.81	1.0000-8 UNC-2A	3.56
NAS1053-16-36						4.00	9.00	12.97				4.20
NAS1053-20-32	1.25	1.34	2.50	4.50	1.00	4.00	8.00	12.72	2.47	2.28	1.2500-7 UNC-2A	6.80
NAS1053-20-48						4.00	12.00	16.72				7.00
NAS1053-24-60	1.50	1.59	3.00	5.50	1.25	6.00	15.00	20.75	3.00	2.75	1.5000-6 UNC-2A	14.00

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 12-02

REVISION DATE: OCTOBER 31, 2016

ISSUE DATE: JULY 1956

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 6
PROCUREMENT SPECIFICATION NONE	TITLE BOLT, EYE, ASSEMBLY, FORGED CARBON STEEL	CLASSIFICATION PART STANDARD
		NAS1053 SHEET 1 OF 3

MATERIAL:

EYE BOLT: FORGED CARBON STEEL, QUENCHED AND TEMPERED.
NUT: CARBON STEEL, GRADE B.

FINISH:

EYE BOLT: ZINC COATING (ELECTRODEPOSITED) IN ACCORDANCE WITH ASTM B633, TYPE II, SC 3, OR
ZINC COATING (HOT-DIP GALVANIZING) IN ACCORDANCE WITH ASTM A153/A153M.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) TOLERANCES: IN ACCORDANCE WITH TOLERANCES FOR IMPRESSION DIE FORGINGS, THE FORGING INDUSTRY ASSOCIATION, 1111 SUPERIOR AVE, SUITE 615, CLEVELAND, OH 44114.
- (3) THE EYE BOLT SHALL BE FREE FROM DEFECTS WHICH MIGHT AFFECT SERVICEABILITY, AND SHALL HAVE ALL FINS AND PROJECTIONS REMOVED.
- (4) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (6) (5) 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.
- /6/ SAFE WORKING LOADS ARE FOR IN-LINE PULL WITH RESPECT TO CENTERLINE OF SHANK.

PROOF LOAD TWO TIMES SAFE WORKING LOAD.

ULTIMATE LOAD FIVE TIMES SAFE WORKING LOAD.

IN MAKING ANGULAR LIFTS, THE SAFE WORKING LOAD IS REDUCED AS FOLLOWS:

<u>DIRECTION OF PULL</u>	<u>ADJUSTED SAFE WORKING LOAD</u>
45°	30% OF RATED SAFE WORKING LOAD
90°	25% OF RATED SAFE WORKING LOAD

THE ABOVE RATINGS ARE FOR EYE BOLTS HAVING THE SHOULDER FIRMLY SEATED AGAINST THE MATING PART AND WHEN THE DIRECTION OF PULL IS IN RESPECT TO THE LONGITUDINAL PLANE OF THE EYE BOLT.

- /7/ NUT SHALL BE FURNISHED WITH THE EYE BOLT ASSEMBLY.
- (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.
- (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /10/ THREAD INSPECTION PER FED-STD-H28/20, SYSTEM 21.

REVISION

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NAS1053

SHEET 2



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