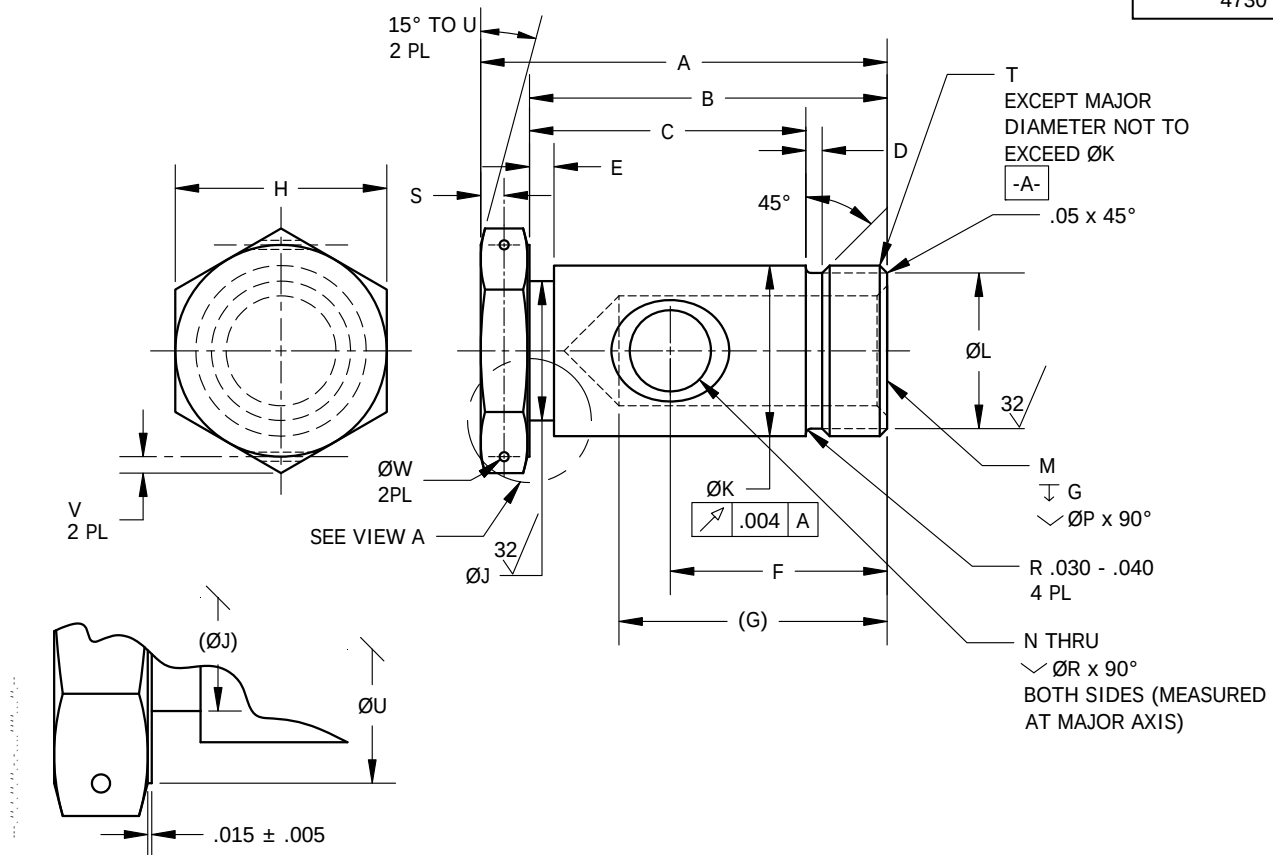


FED. SUPPLY CLASS

4730



ENLARGED VIEW A

TABLE I – DIMENSIONS

TABLE 1. DIMENSIONS																					
DASH NUMBER	TUBE OD	T THREAD	A ±.010	B ±.010	C ±.005	D ±.005	E ±.010	F ±.015	G ±.030	H HEX ±.016	ØJ ±.001	ØK + .000 - .001	ØL + .003 - .002	M ±.010	N ±.010	ØP	ØR	S ±.010	V ±.010	ØW + .010 - .000	ØU + .000 - .020
4	.250	.4375-20 UNJF-3A	1.375	1.187	.781	.075	.094	.796	.937	.688	.326	.435	.364	.172	.172	.250	.281	.090	.080	.046	.688
5	.313	.5000-20 UNJF-3A	1.437	1.250	.875	.075		.812	.968	.750	.389	.498	.427	.234	.219	.312	.344				
6	.375	.5625-18 UNJF-3A	1.562	1.343	.968	.083	.141	.859	1.031	.813	.385	.560	.482	.297	250	.375	.375	.105	.109	.070	.813
8	.500	.7500-16 UNJF-3A	1.937	1.687	1.218	.094		1.078	1.297	1.000	.573	.748	.660	.391	.313	.500	.438	.120			
10	.625	.8750-14 UNJF-3A	2.156	1.875	1.375	.107	.188	1.187	1.437	1.125	.698	.873	.773	.484	.375	.625	.531	.135	.125	.070	1.125
12	.750	1.0625-12 UNJ-3A	2.562	2.250	1.687	.125		1.406	1.687	1.375	.820	1.060	.945	.609	.436	.750	.656	.150			
16	1.000	1.3125-12 UNJ-3A	3.125	2.750	2.125	.125		1.667	2.062	1.625	1.070	1.310	1.195	.844	.625	1.000	.906	.180			

REVISION DATE: JULY 29, 2016

SSUE DATE: NOVEMBER 15, 1951

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

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FORM 12-01

THIRD
ANGLE
PROJECTION

PROCUREMENT
SPECIFICATION

AS4875

	CUSTODIAN
	NATIONAL AEROSPACE STANDARDS COMMITTEE
	TITLE
	BOLT, UNIVERSAL FITTING

	REVISION 8
	CLASSIFICATION PART STANDARD
	DIAS 551 SHEET 1 OF 2



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SHEET 1 OF 2
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MATERIAL:

- 8 SEE PROCUREMENT SPECIFICATION, EXCEPT ALUMINUM ALLOY MATERIAL LIMITED TO 2024 (UNS A92024)
ALUMINUM ALLOYS: T4 OR T3511 PER AMS-QQ-A-200/3; T4, T351, T6 OR T851 PER AMS-QQ-A-225/6; T4 OR T351 PER AMS-QQ-A-250/4; T851 PER AMS4339.

HEAT TREATMENT:

STEEL – 125 KSI ULTIMATE TENSILE STRENGTH MINIMUM PER AMS2759.

FINISH:

SEE PROCUREMENT SPECIFICATION.

CODE:

NO LETTER ON DASH NUMBER FOR STEEL BOLT.
ADD "D" TO DASH NUMBER FOR ALUMINUM ALLOY BOLT.
ADD "H" TO DASH NUMBER FOR BOLT WITH HEAD DRILLED FOR LOCKWIRE.

EXAMPLE OF PART NUMBER:

NAS551-4 = STEEL BOLT FOR .250 TUBE OD FITTING.
NAS551-4H = STEEL BOLT FOR .250 TUBE OD FITTING WITH THE HEAD DRILLED FOR LOCKWIRE.
NAS551-4D = ALUMINUM ALLOY BOLT FOR .250 TUBE OD FITTING.
NAS551-4DH = ALUMINUM ALLOY BOLT FOR .250 TUBE OD FITTING WITH THE HEAD DRILLED FOR LOCKWIRE.

NOTES:

- (1) SURFACE TEXTURE SHALL BE IN ACCORDANCE WITH ASME B46.1. SURFACE ROUGHNESS: 125 MICROINCHES Ra EXCEPT AS NOTED IN FIGURE. SURFACE TEXTURE SYMBOLS SHALL BE IN ACCORDANCE WITH ASME Y14.36M.
- (2) REMOVE ALL BURRS AND SHARP EDGES.
- (3) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .015$ ANGLES $\pm 2^\circ$.
- (5) ALL THREADS AS8879 EXCEPT AS NOTED.
- (6) THIS DESIGN IS INTENDED TO REPLACE BUT IS NOT INTERCHANGEABLE WITH AN775. INSTALL PER NAS550.
- (7) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (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.
- 8 (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.

REVISION

8

NAS551

SHEET 2

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