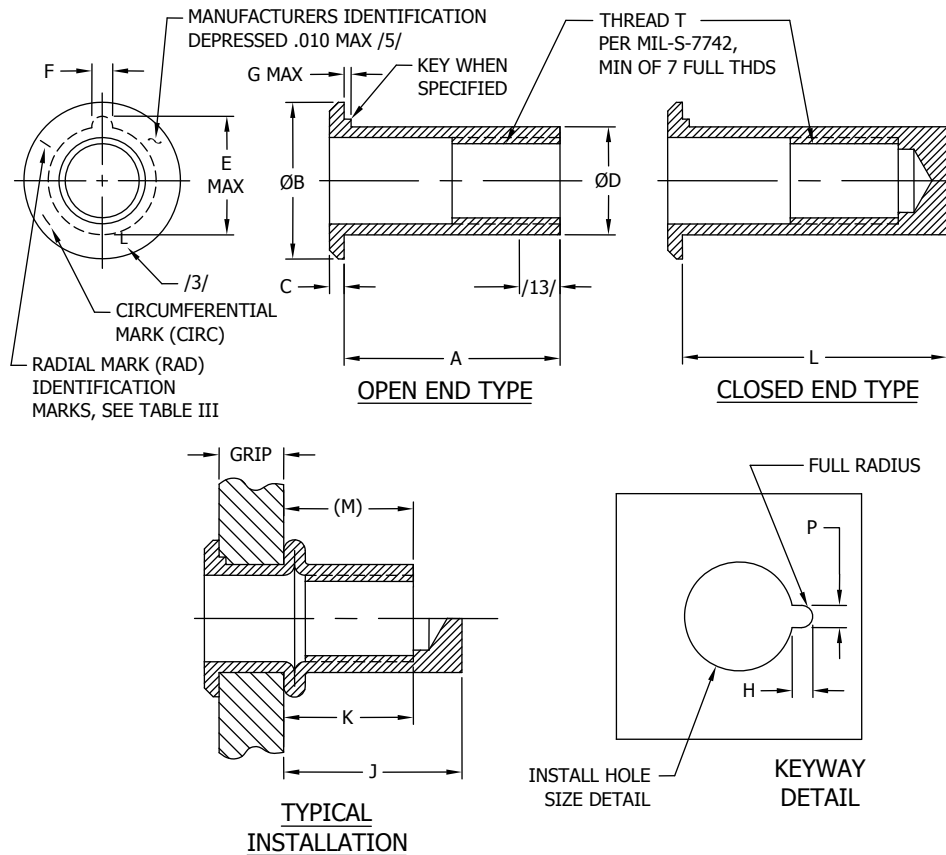


FED. SUPPLY CLASS

5310



(12)

TABLE I - DIMENSIONS

FIRST DASH NO.	THREAD SIZE	ØB ±.015	C NOM	ØD +.000 -.004	E MAX	F +.005 -.000	G MAX	(INSTALL DRILL SIZE)	INSTALL HOLE SIZE		KEYWAY DIMENSIONS	
									MIN	MAX	P +.003 -.000	H
04	.1120-40 UNC-3B	.270	.025	.155	.198	.054	.023	5/32	.155	.157	.062	.046-.048
06	.1380-32 UNC-3B	.325	.032	.189	.240	.054	.023	NO. 12	.189	.193	.062	.056-.058
08	.1640-32 UNC-3B	.357	.032	.221	.271	.054	.023	NO. 2	.221	.226	.062	.056-.058
3E	.1900-24 UNC-3B	.406	.038	.250	.302	.054	.023	E	.250	.256	.062	.056-.058
3	.1900-32 UNF-3B	.406	.038	.250	.302	.054	.023	E	.250	.256	.062	.056-.058
4E	.2500-20 UNC-3B	.475	.058	.332	.382	.054	.035	Q	.332	.338	.062	.056-.058
4	.2500-28 UNF-3B	.475	.058	.332	.382	.054	.035	Q	.332	.338	.062	.056-.058
5E	.3125-18 UNC-3B	.665	.062	.413	.505	.120	.040	Z	.413	.423	.128	.097-.102
5	.3125-24 UNF-3B	.665	.062	.413	.505	.120	.040	Z	.413	.423	.128	.097-.102
6E	.3750-16 UNC-3B	.781	.088	.490	.597	.120	.040	12.5 MM	.490	.500	.128	.110-.115
6	.3750-24 UNF-3B	.781	.088	.490	.597	.120	.040	12.5 MM	.490	.500	.128	.110-.115
8E	.5000-13 UNC-3B	.906	.085	.625	.733	.120	.040	5/8	.625	.635	.128	.110-.115
8	.5000-20 UNF-3B	.906	.085	.625	.733	.120	.040	5/8	.625	.635	.128	.110-.115
-8-	.5000-20 UNF-3B	1.000	.125	.640	.772	.151	.040	41/64	.640	.620	.159	.135-.140

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.

REVISION DATE: JUNE 30, 2014

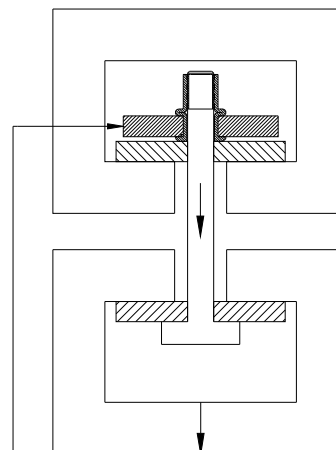
ISSUE DATE: JULY 1959

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 12
PROCUREMENT SPECIFICATION NOTED	TITLE NUT, BLIND RIVET, FLAT HEAD, INTERNAL THREAD, NON-LOCKING (FREE-RUNNING) AND SELF-LOCKING (PREVAILING TORQUE)	CLASSIFICATION PART STANDARD
		NAS1329 SHEET 1 OF 8

(12)

TABLE II – STRENGTH VALUES

FIRST DASH NO.	ULTIMATE THREAD STRENGTH /11/ LBF MIN					
	AL	CARBON STEEL	430 CRES	ALLOY STEEL	BRASS	316 CRES
04	510	910	1270	1170	910	1270
06	650	1330	1670	1590	1330	1670
08	800	1660	1950	2570	1660	1950
3E & 3	1070	1850	3150	4130	1850	3150
4E & 4	1820	3500	4760	6590	3500	4760
5E & 5	2290	4330	6870	9040	4330	6870
6E & 6	3340	6840	8450	12700	6840	8450
8E & 8	4300	6900	10400		6900	10400
~~8~~	~~5550~~	~~12590~~				



INSTALL TEST PART IN MID GRIP
TEST PLATE - ANVILS & SCREW
TO BE HRC 45 MIN.

MATERIAL:

ALUMINUM ALLOY - 5056-H32 (UNS A95056) OR 6053-T4 (UNS A96053) PER ASTM B316/B316M OR QQ-A-430 AS APPLICABLE (EXCEPT TEMPER). GRADE ~~6061-T6 OR 6061-T4~~ (UNS A96061) PER ~~AMS-QQ-A-225/8~~ AMS4116 MAY BE USED WHEN REQUIRED.

CARBON STEEL - GRADE 1008 (UNS G10080), 1010 (UNS G10100), 1108 (UNS G11080), OR 1110 (UNS G11100) PER ASTM A576 AS APPLICABLE. 1215 (UNS G12150) PER ASTM A108 MAY BE USED WHEN REQUIRED.

STEEL, CORROSION RESISTANT - TYPE 430 (UNS S43000) PER ASTM A276 OR ASTM A580/A580M AS APPLICABLE. ALLOY STEEL - 4037 (UNS G40370) PER ASTM A752/A-547.

BRASS - ALLOY 260 (UNS C26000) OR 270 (UNS C27000) IN ACCORDANCE WITH ASTM B134/B134M.

STEEL, CORROSION RESISTANT (AUSTENITIC) - TYPE 316 (UNS S31600) PER ASTM A276.

FINISH:

ALUMINUM ALLOY - ANODIZE PER MIL-A-8625 TYPE II, CLASS 1.

STEEL - 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.~~

- ZINC PLATE PER ASTM B633, FE/ZN 5, TYPE II. (NON-AIRFRAME APPLICATIONS ONLY)

CRES - PICKLED AND PASSIVATED PER AMS2700, METHOD 1, CLASS 4.

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

BRASS - NONE

CODE:

DIAMETER AND GRIP RANGE AS TABULATED.

LETTER BETWEEN BASIC NUMBER AND FIRST DASH NUMBER INDICATES MATERIAL AND FINISH.

"A" FOR ALUMINUM ALLOY

"S" FOR CADMIUM PLATED CARBON STEEL

"Z" FOR ZINC PLATED CARBON STEEL

"H" FOR ALLOY STEEL

"C" FOR TYPE 430 CRES MATERIAL

"N" FOR TYPE 316 CRES MATERIAL

"G" FOR BRASS

LETTER BETWEEN DASH NUMBERS INDICATES TYPE:

"-" FOR KEYLESS OPEN END, "K" FOR KEYED OPEN END,

"B" FOR KEYLESS CLOSED END, "KB" FOR KEYED CLOSED END.

ADD "L" TO PART NUMBER TO INDICATE THREAD LOCKING PER NASM25027 ON OPEN END, KEYED, ALLOY STEEL PARTS ONLY, FOR DASH NO. 04 THRU 08, AND FINE THREAD SERIES NUTS .1900-32 & LARGER.

(12)

REVISION

12

NAS1329
SHEET 2



Document Sharing Hub

EXAMPLE OF PART NUMBER:

NAS1329A3K130 = ALUMINUM ALLOY, KEYED OPEN END, .1900-32 INTERNAL THREAD, .080 TO .130 GRIP RANGE.
 NAS1329C6EKB200 = 430 CRES, KEYED CLOSED END, .3750-16 INTERNAL THREAD, .115 TO .200 GRIP RANGE.
 NAS1329N4EB140 = 316 CRES, KEYLESS CLOSED END, .2500-20 INTERNAL THREAD, .080 TO .140 GRIP RANGE.
 NAS1329H3K130L = ALLOY STEEL, KEYED OPEN END, .1900-32 INTERNAL THREAD, .080 TO .130 GRIP RANGE, WITH THREAD LOCKING FEATURE.
 NAS1329Z5E-125 = CARBON STEEL, KEYLESS OPEN END, .3125-18 INTERNAL THREAD, .050 TO .125 GRIP RANGE, ZINC PLATED.

NOTES:

- (1) DIMENSIONS IN INCHES.
- (2) THREAD LOCKING TYPE MUST BE INSTALLED WITH A MODIFIED STUD (REDUCED PITCH DIAMETER AND O.D. ON FIRST FEW THREADS).
- /3/ IDENTIFY SELF-LOCKING TYPE NUT WITH "L" DEPRESSED .010 MAX. (LOCATION OPTIONAL).
- ⑫ (4) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /5/ MANUFACTURERS IDENTIFICATION REQUIRED ON -.4 (.2500) AND LARGER NUTS ONLY. ~~NUT SUPPLIERS MAY SUPPLY NUTS WITHOUT THE MANUFACTURERS IDENTIFICATION UNTIL 1 JANUARY 1991.~~
- (6) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (7) DIMENSIONS APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (9) REMOVE ALL BURRS AND SHARP EDGES.
- /10/ DASH NUMBER 8 CONFIGURATIONS ARE DESIGNATED BY THE COMPLETE PART NUMBER. DASH NUMBER 150, 250, 350, AND 450 ARE .625 DIAMETER PARTS, AND DASH NUMBER 145, 265, 385, AND 505 ARE .640 DIAMETER PARTS.
- /11/ TEST PER ASTM F606.
- /12/ DIMENSIONS FOR COARSE AND FINE THREAD SERIES PARTS ARE THE SAME. FOR FIRST DASH NUMBER, SEE TABLE I.
- /13/ THREAD LOCKING FEATURE IN THIS AREA.
- ⑫ (14) 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.

PROCUREMENT SPECIFICATION:

NASM25027 FOR THREAD LOCKING TORQUE ONLY.

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

REVISION

12

NAS1329
SHEET 3



Document Sharing Hub