

FED. SUPPLY CLASS

5310

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

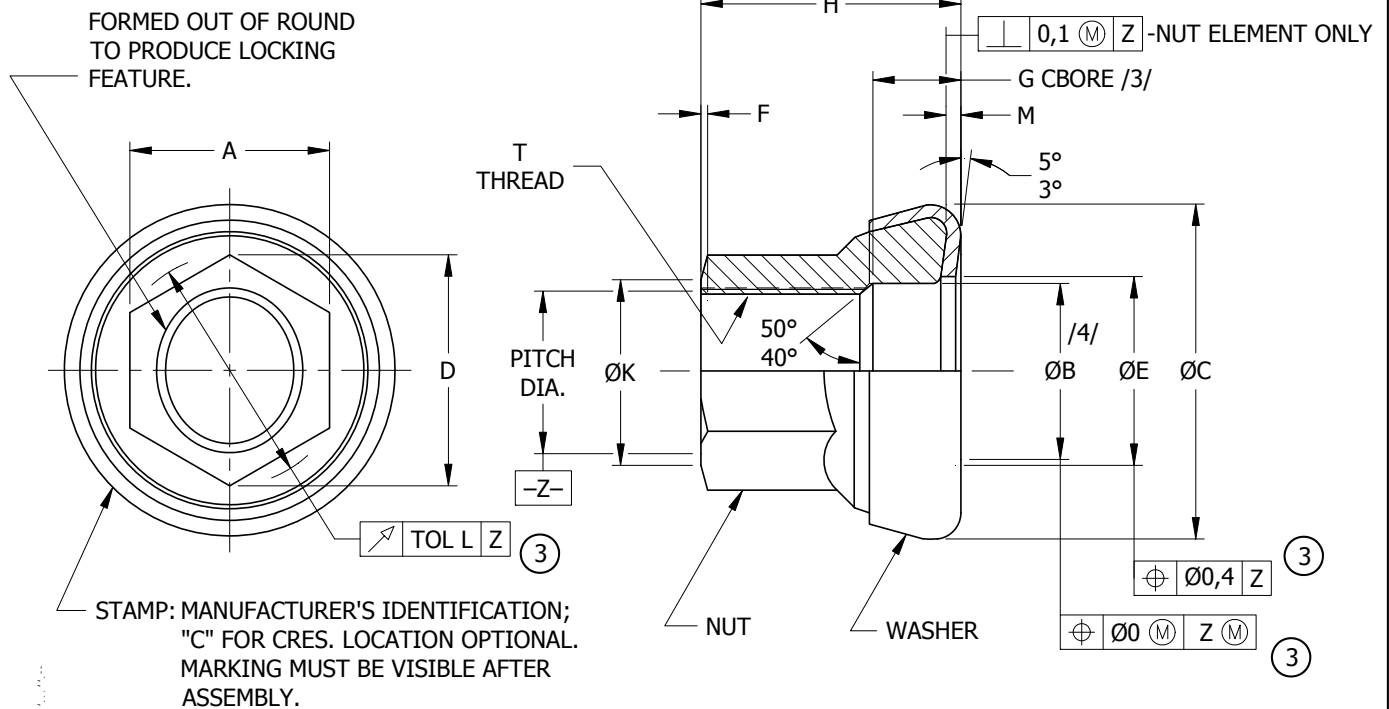


TABLE I – DIMENSIONS

FIRST DASH NO.	T THREAD /5/	A		ØB +0,3 0	ØC 0 -0,5	D MIN	ØE ±0,1	F MAX	G MIN	H MAX	ØK MIN	L	M MIN
		MAX	MIN										
030	MJ3 x 0,5-4H6H	4,0	3,88	3,4	6,7	4,2	3,7	0,08	1,6	4,6	3,7	0,2	0,4
040	MJ4 x 0,7-4H6H	5,0	4,88	4,4	8,4	5,3	4,7	0,11	2,2	6,2	4,6	0,2	0,4
050	MJ5 x 0,8-4H6H	6,0	5,88	5,5	9,6	6,5	5,7	0,12	2,4	7,4	5,6	0,2	0,6
060	MJ6 x 1-4H5H	7,0	6,85	6,5	11,1	7,6	6,7	0,15	2,7	8,1	6,5	0,2	0,6
080	MJ8 x 1-4H5H	10,0	9,78	8,5	14,6	10,9	8,9	0,15	2,7	9,9	9,3	0,4	0,6
100	MJ10 x 1,25-4H5H	12,0	11,73	10,5	17,2	13,2	10,9	0,19	3,0	12,0	11,1	0,4	0,6
120	MJ12 x 1,25-4H5H	14,0	13,73	12,5	21,0	15,5	12,9	0,19	3,0	13,8	13,0	0,4	0,6

THIRD ANGLE PROJECTION	
PROCUREMENT SPECIFICATION	NOTED

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE
TITLE NUT, CAPTIVE WASHER, SHEAR TYPE, SELF-LOCKING CBORED, 1100 MPa, METRIC, 235 °C AND 425 °C

REVISION 3
CLASSIFICATION PART STANDARD
NA0075-0076 SHEET 1 OF 3

TABLE II – MATERIAL, FINISH, AND LUBRICATION

PART NUMBER CODE	WASHERNUT ASSEMBLY					
	NUT			WASHER		
	MATERIAL	FINISH	LUBRICANT	MATERIAL	FINISH	LUBRICANT
NA0075-(/6/)	ALLOY STEEL /a/	CADMIUM PLATE /e/	NONE	CARBON STEEL /b/	CADMIUM PLATE /e/	NONE
NA0075-(/6/)E		CADMIUM PLATE /e/	CETYL ALCOHOL /h/		CADMIUM PLATE /e/	CETYL ALCOHOL /h/
NA0075-(/6/)M		CADMIUM PLATE /e/	DRY FILM /i/		CADMIUM PLATE /e/	NONE
NA0076-(/6/)L	A286 CRES /c/	SILVER PLATE /f/	NONE	A286 CRES /d/	PASSIVATE /g/	NONE
NA0076-(/6/)LE		SILVER PLATE /f/	CETYL ALCOHOL /h/		PASSIVATE /g/	CETYL ALCOHOL /h/
NA0076-(/6/)M		NONE	DRY FILM /i/		CADMIUM PLATE /e/	NONE

MATERIAL:

- ③ /a/ ALLOY STEEL PER MIL-S-6049 (8740) OR MIL-S-5000 (4340).
ALLOY STEEL – 4340 (UNS G43406) PER AMS6415 OR AMS6484, OR 8740 (UNS G87400) PER AMS6322, AMS6325 OR AMS6327.
- /b/ CARBON STEEL PER AMS5085.
- /c/ A286 CRES COMPOSITION PER AMS5737.
- /d/ A286 CRES PER AMS5525.

HEAT TREAT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS-H-6875 OR AMS2759:
ALLOY STEEL: 160-180 KSI Ft_u.
CRES: 160-190 KSI Ft_u.

FINISH:

- /e/ CADMIUM PLATE PER AMS-QQ-P-416, TYPE II OR TYPE III, CLASS 2. WITHIN 1 HOUR AFTER PLATING, BAKE FOR 23 HOURS MINIMUM AT 190 °C FOR HYDROGEN RELIEF.
- /f/ SILVER PLATE FOR 425 °C USE PER AMS2410 TO A 5 µm MINIMUM THICKNESS ON SURFACES WHICH CAN BE TOUCHED BY A 20 mm DIAMETER BALL. THREADS SHALL SHOW COMPLETE COVERAGE, BUT THICKNESS REQUIREMENT ON THREADS IS WAIVED.
- /g/ PASSIVATE PER AMS2700, METHOD 1, CLASS 4.

LUBRICATION:

- /h/ CETYL ALCOHOL.
- /i/ DRY FILM LUBRICATE PER MIL-L-46010 AS5272 (MOLYBDENUM DISULFIDE) (.010 mm MINIMUM THICKNESS).

CODE:

MATERIAL, FINISH AND LUBRICATION COMBINATIONS ONLY AS SHOWN IN TABLE II.
FIRST DASH NUMBER SPECIFIES THREAD SIZE.
FINISH:
– = CADMIUM PLATED NUT AND WASHER.
“L” = SILVER PLATED NUT AND PASSIVATED WASHER.
LUBRICATION: “E” = CETYL ALCOHOL ON NUT AND WASHER.
“M” = DRY FILM LUBRICANT ON NUT AND NO LUBRICANT ON WASHER.

REVISION

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NA0075 THRU NA0076
SHEET 2