

FED. SUPPLY CLASS

5310

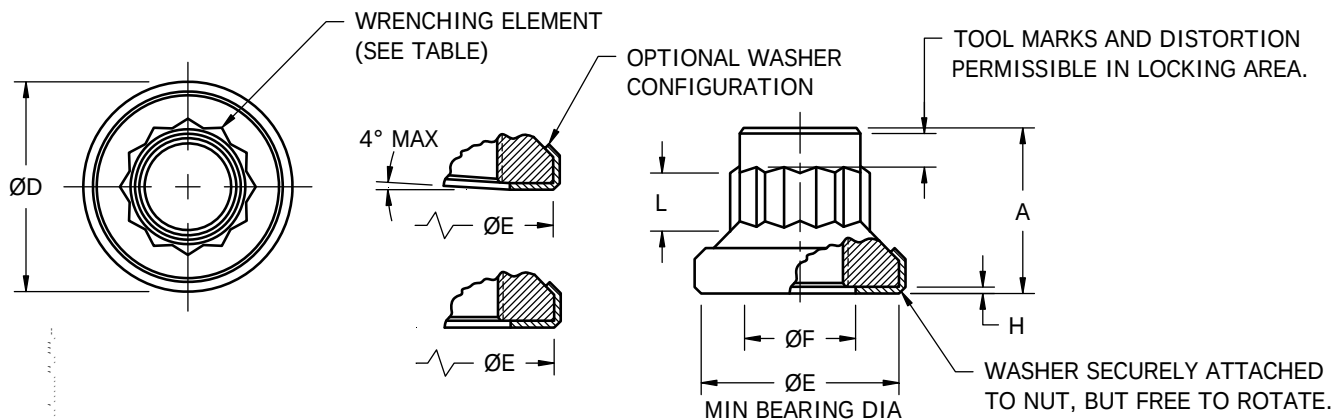


TABLE I – DIMENSIONS

DASH NO.	THREADS (AS8879)	A	WRENCHING ELEMENT /1/	ØD		ØE	ØF	H		L	ULTIMATE STRENGTH LBF MIN	MAX WEIGHT LB/100
				MAX	MIN	MIN	MAX	MAX	MIN	MIN		
3	.1900-32 UNJF-3B	.305	.2500	.445	.415	.355	.220	.018	.014	.082	3,470	.33
4	.2500-28 UNJF-3B	.350	.3125	.530	.476	.416	.280			.096	6,200	.53
5	.3125-24 UNJF-3B	.385	.3750	.640	.574	.514	.343			.108	9,820	.91
6	.3750-24 UNJF-3B	.520	.4375	.660	.630	.610	.405	.067	.057	.147	15,200	1.58

MATERIALS:

NUT – STEEL

AISI 4037 (UNS G40370) PER ASTM A322, ~~ASTM A331~~ ASTM A108, ASTM A519, ASTM A547
AISI 8630 (UNS G86300) PER AMS6280, AMS6281, ~~AMS6355~~ AMS6350, AMS6360 ~~AMS6530~~
AISI 8740 (UNS G87400) PER AMS6322, AMS6323, AMS6325, AMS6327, AMS6358

WASHER – STEEL

AISI C1035 (UNS G10350) PER ~~QQ-S-635~~ ASTM A827/A827M, ~~QQ-S-700~~ AMS-QQ-S-700
 AISI C1042 (UNS G10420) PER ~~QQ-S-635~~ ASTM A827/A827M
 AISI 1050 (UNS G10500) PER AMS5085
 AISI 1137 (UNS G11370) PER AMS5024
 UNS G11374 PER AMS5020
 AISI 4130 (UNS G41300) PER AMS6348

HEAT TREATMENT:

HARDNESS: 48 HRC MAXIMUM

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS90415 REVISION C. PART NUMBERS REMAIN MS90415.

THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, STEEL, 160 KSI, 450 °F, 12 POINT, CAPTIVE WASHER	CLASSIFICATION PART STANDARD NASM90415 SHEET 1 OF 2

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
11000 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: NOVEMBER 22, 2011

ISSUE DATE: NOVEMBER 1999

FINISH:

NUT – CADMIUM PLATE, AMS-QQ-P-416, (TYPE AND CLASS OPTIONAL) PLUS MOLYBDENUM DISULFIDE DRY FILM LUBRICANT, AND SHALL MEET TYPE II SALT SPRAY REQUIREMENTS.
WASHER – CADMIUM PLATE, AMS-QQ-P-416, TYPE II, CLASS 2.

EXAMPLE OF PART NUMBER:

MS90415-6 = .3750-24 NUT, SELF LOCKING, STEEL, 160 KSI, 450 °F, 12 POINT, CAPTIVE WASHER.

NOTES:

- /1/ WRENCHING ELEMENT SHALL BE IN ACCORDANCE WITH AS870.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) SURFACE TEXTURE: 125 MICROINCHES Ra PER ASME B46.1.
- (4) REMOVE ALL BURRS AND SHARP EDGES.
- (5) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (6) DESIGN AND USAGE: NUT SHALL BE USED IN ACCORDANCE WITH NASM33588. SIZES "3" THRU "5" DESIGNED PRIMARILY FOR USE ON IMPORTANT ELECTRICAL TERMINALS, AND SIZE "6" DESIGNED FOR ENGINE ACCESSORY MOUNTING INVOLVING KEYHOLE TYPE MOUNTING FLANGES.
- (7) ~~BIDS SHALL BE SOLICITED ONLY FROM THE MANUFACTURERS OR DISTRIBUTORS LISTED ON QPL 25027.~~
- (8) 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.
- (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.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

① COMPLETELY REVISED

REVISION
1
NASM90415
SHEET 2

