

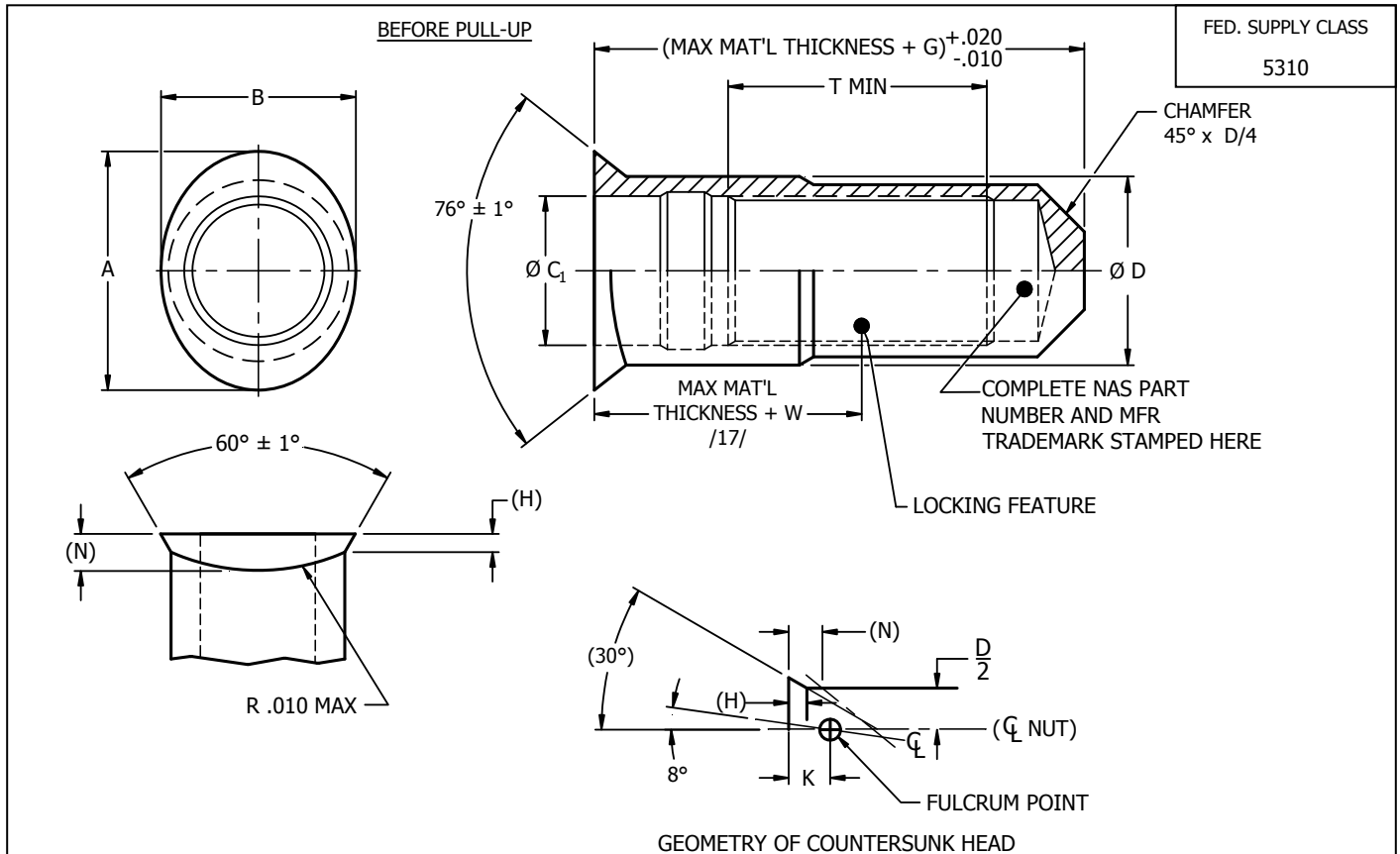


FIGURE 1 -- CONFIGURATION

TABLE I -- DIMENSIONS

PART NUMBER	THREAD SIZE UNJF-3B	A /7/		B /7/ MIN	Ø C ₁	Ø D	G $\begin{smallmatrix} +.020 \\ -.010 \end{smallmatrix}$	(H) /2/	K ±.002	(N) /2/	T MINIMUM FULL THREAD	W /11/
		MIN	MAX									
NAS1735-3-(*)	.1900-32	.3100	.3320	.2572	.196 .192	.241 .239	.701	.034	.080	.058	.430	.274
NAS1735-4-(*)	.2500-28	.4176	.4400	.3500	.258 .255	.327 .325	.837	.040	.100	.072	.514	.407
NAS1735-5-(*)	.3125-24	.4998	.5225	.4250	.320 .317	.396 .394	.958	.044	.100	.080	.584	.501
NAS1735-6-(*)	.3750-24	.6016	.6247	.5050	.383 .380	.471 .469	1.119	.048	.160	.098	.682	.561
NAS1735-7-(*)	.4375-20	.6856	.7080	.5800	.445 .442	.539 .537	1.274	.054	.160	.108	.802	.608
NAS1735-8-(*)	.5000-20	.7734	.7970	.6550	.508 .505	.614 .612	1.404	.058	.160	.116	.939	.660
NAS1735-9-(*)	.5625-18	.8600	.8838	.7375	.570 .567	.688 .686	1.549	.063	.160	.121	1.020	.914
NAS1735-10-(*)	.6250-18	.9562	.9804	.8250	.633 .630	.769 .767	1.710	.069	.160	.135	1.139	.984
NAS1735-12-(*)	.7500-16	1.1452	1.1700	.9850	.758 .755	.918 .916	2.019	.079	.220	.160	1.384	1.186

(*) INDICATES SECOND DASH NUMBER FOR NUT GRIP

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 4
PROCUREMENT SPECIFICATION NOTED	TITLE NUT, SELF-LOCKING, BLIND RIVET, ELLIPTICAL HEAD, CLOSED END, 450 °F	CLASSIFICATION PART STANDARD
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TABLE II -- GAGE DIAMETERS AND PROTRUSION

PART NUMBER	Ø G GAGE	P PROTRUSION ±.003
NAS1735-3-()	.285	.029
NAS1735-4-()	.382	.036
NAS1735-5-()	.458	.040
NAS1735-6-()	.546	.049
NAS1735-7-()	.650	.036
NAS1735-8-()	.704	.058
NAS1735-9-()	.786	.061
NAS1735-10-()	.873	.067
NAS1735-12-()	1.042	.080

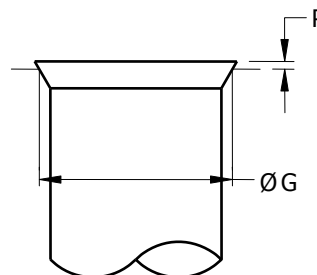


FIGURE 2 -- FLUSH HEAD GAGING

MATERIAL:

CRES, TYPE 304 (UNS S30400) OR TYPE 305 (UNS S30500) PER AMS-QQ-S-763, COND A

FINISH:

④

PASSIVATE PER AMS2700, METHOD 1, CLASS 4
OR PASSIVATE PER AMS2700, METHOD 2 - NO POST TREATMENT
CADMIUM PLATE PER AMS-QQ-P-416, TYPE II CLASS 2.

LUBRICATION:

DRY FILM PER NASM25027 ON THREADS ONLY (WHEN SPECIFIED).

THREADS:

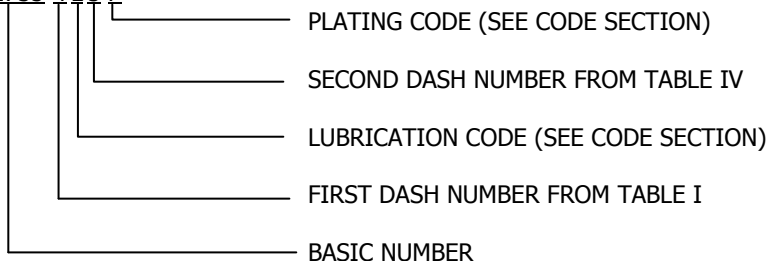
AS8879 BEFORE LUBRICATION

CODE:

④

ADD "L" BETWEEN DASH NUMBERS FOR DRY FILM LUBRICANT.
ADD "B" AFTER SECOND DASH NUMBER FOR PASSIVATION PER AMS2700, METHOD 2 - NO POST TREATMENT.
ADD "P" AFTER SECOND DASH NUMBER FOR CADMIUM PLATE.
FIRST DASH NUMBER INDICATES THREAD SIZE.
SECOND DASH NUMBER INDICATES GRIP.

NAS1735-4 L 5 P



EXAMPLES OF PART NUMBERS:

NAS1735-4-6 = .2500-28 NUT, .330 GRIP, PASSIVATED
NAS1735-4L6 = .2500-28 NUT, .330 GRIP, PASSIVATED, THREADS LUBRICATED
NAS1735-46P = .2500-28 NUT, .330 GRIP, PASSIVATED, CADMIUM PLATED.
NAS1735-4L6P = .2500-28 NUT, .330 GRIP, PASSIVATED, THREADS LUBRICATED AND OUTSIDE SURFACE CADMIUM PLATED. CADMIUM OVERRUN ON ID IS ACCEPTABLE.

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NOTES:

- (1) CONCENTRICITY: ALL DIAMETERS TO PITCH DIAMETER .010 FIM
- /2/ FLUSHNESS CONTROLLED BY HEAD FACE TO GAGE SURFACE PER TABLE II.
- (3) "Ø D" MAY INCREASE .0005 UNDER THE HEAD FOR A LENGTH EQUAL TO ONE HALF OF THE "Ø D" DIMENSION.
- (4) "Ø D" MAY DECREASE .004 BEYOND THE MAXIMUM GRIP LENGTH.
- (5) SURFACE TEXTURE: ALL NON-THREADED SURFACES SHALL NOT EXCEED 125 MICROINCHES PER ASME B46.1.
NOTE: MINOR THREAD MARKINGS ON ID OF NUT PERMISSIBLE.
- (6) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /7/ BREAK SHARP EDGE .0020/.0075. RADIUS NOT TO EXCEED "A" AND "B" DIMENSIONS. "B" MAX IS DETERMINED BY TABLE II AND EDGE RADIUS.
- (8) TORQUE OUT VALUES SHOWN ARE FOR NUTS INSTALLED IN STEEL OR TITANIUM. NASM25027 TORQUE OUT VALUES APPLY FOR PLATED NUTS INSTALLED IN SOLUTION HEAT TREATED AND ARTIFICIALLY AGED 2000 AND 7000 SERIES ALUMINUM ALLOYS. NUTS SHALL BE CAPABLE OF MEETING THE TORQUE OUT VALUES INDICATED WHEN TESTED USING THE TEST SET-UP AND PROCEDURE IDENTIFIED HEREIN. THE BOLT SHALL BE TIGHTENED WHILE RESTRAINING THE SPACER UNTIL THE MINIMUM TORQUE OUT VALUE IS OBTAINED.
- (9) NUTS SHALL BE FREE FROM ALL BURRS AND SLIVERS.
- /10/MINIMUM DEPTH OF UNTHREADED PORTION OF INSTALLED NUT EQUALS MINIMUM MATERIAL THICKNESS PLUS "F" DIMENSION.
- /11/ THE SELF LOCKING SQUEEZE MARK MUST FALL WITHIN THE DIMENSION MAXIMUM MATERIAL THICKNESS PLUS "W".
- (12) RECOMMENDED FOR USE IN STEEL, TITANIUM AND HIGH STRENGTH ALUMINUM ALLOYS (2000 AND 7000 SERIES).
- (13) SEE NAS1732 FOR NUTS RECOMMENDED FOR USE IN MATERIALS OF HARDNESS 98 HRB AND UNDER, AND ALSO, FOR SMALLER DIAMETER NUTS AND GRIP RANGES.
- (14) SPOTFACE UNDER-SURFACE OF STRUCTURE IS REQUIRED FOR NUT BELLWS IF THE ANGLE NORMAL TO THE CENTERLINE OF THE HOLE AND THE UNDERSTRUCTURE EXCEEDS 3°.
- (15) THESE NUTS ARE RECOMMENDED FOR USE IN FUEL TIGHT STRUCTURE.
- (16) SEE NAS1736 FOR HOLE PREPARATION AND BLIND NUT INSTALLATION.
- /17/ PRIOR TO USE OF -10 AND -12 DIAMETER PARTS, AVAILABILITY OF APPLICABLE INSTALLATION TOOLS SHALL BE DETERMINED PER NAS1736.
- /18/ PUSH OUT VALUES LISTED ARE FOR ENGINEERING INFORMATION ONLY.
- (19) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (20) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

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