

NAS1835

INSERT, MOLDED IN, BLIND THREADED, LOCKING, NONSELF-LOCKING, FLOATING, SANDWICH PANEL

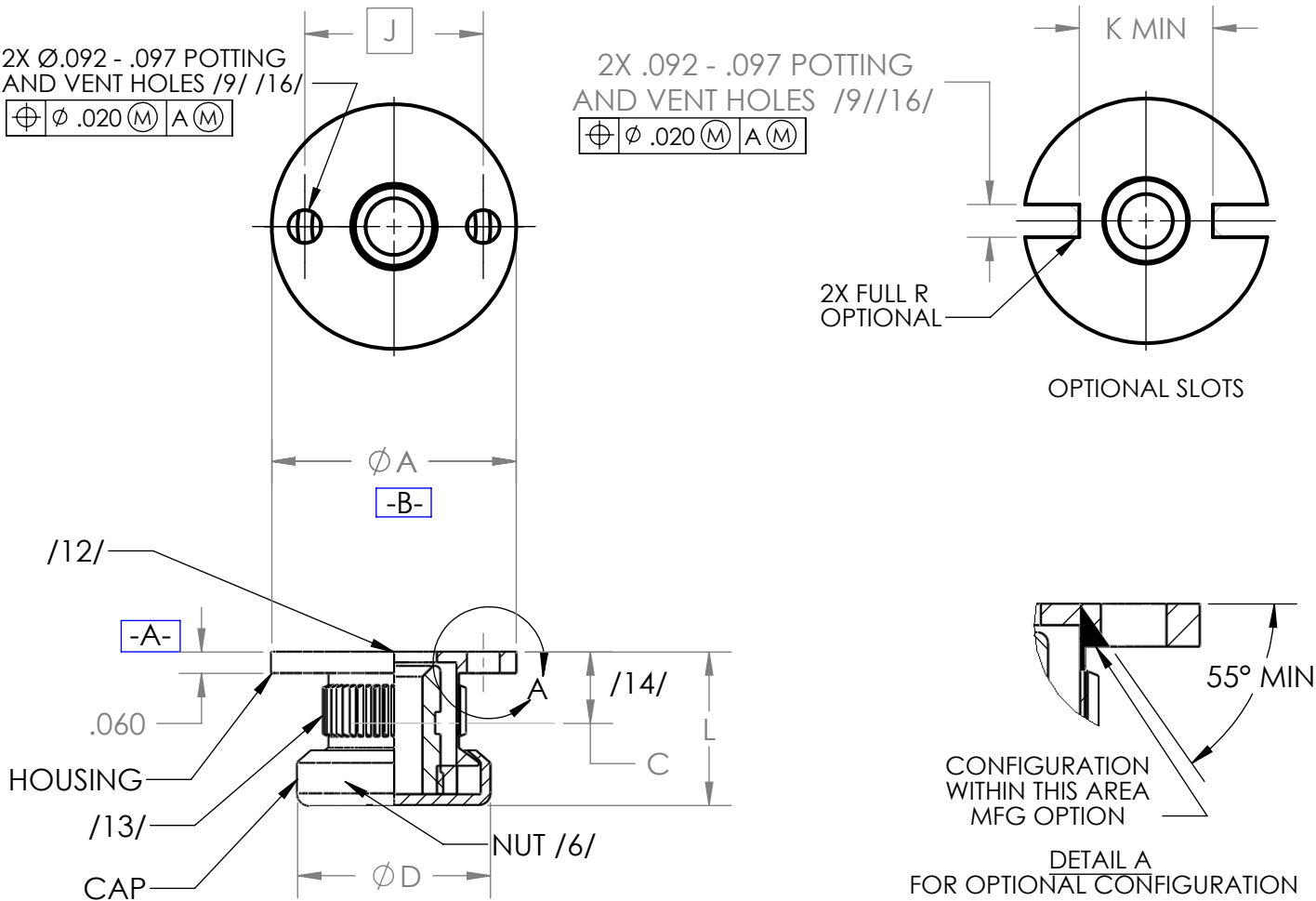


TABLE I - DIMENSIONS

SIZE DASH NO.	THREAD CLASS 3B /1/	Ø A +.000 -.010	C	Ø D MAX	J BASIC	K MIN	L /7/	INSTALLATION HOLE SIZE
08	.1640-32 UNJC	.685	.16	.545	.500	.393	.37	.686 - .691
3	.1900-32 UNJF	.685	.16	.545	.500	.393	.43	.686 - .691
4	.2500-28 UNJF	.748	.18	.735	.591	.484	.56	.749 - .755
5	.3125-24 UNJF	.810	.20	.800	.655	.548	.75	.811 - .817
6	.3750-24 UNJF	.873	.22	.865	.718	.611	.81	.874 - .880

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MATERIAL:

- NUT:** CARBON STEEL PER ASTM A108, ASTM A576, OR MATERIAL COMPOSITION PER AIR4127.
 ULTIMATE TENSILE STRENGTH 85 KSI MINIMUM.
 CORROSION RESISTANT STEEL TYPE 303 (UNS S30300) PER ASTM A582/A582M.
- HOUSING:** CARBON STEEL PER ASTM A108, ASTM A576, OR MATERIAL COMPOSITION PER AIR4127.
 ULTIMATE TENSILE STRENGTH 85 KSI MINIMUM.
 AL ALLOY, GRADE 2024 (UNS A92024) TEMPER T4 OR T351 PER AMS-QQ-A-225/6.
 CORROSION RESISTANT STEEL, TYPE 303 (UNS S30300) PER ASTM A582/A582M.
- CAP:** AL ALLOY, GRADE 3003-O, 3003-H14 (UNS A93003) PER ASTM B209, 5052-O, 5052-H32
 (UNS A95052) PER AMS-QQ-A-250/8, OR 6061-O (UNS A96061) PER AMS-QQ-A-200/8.

FINISH:

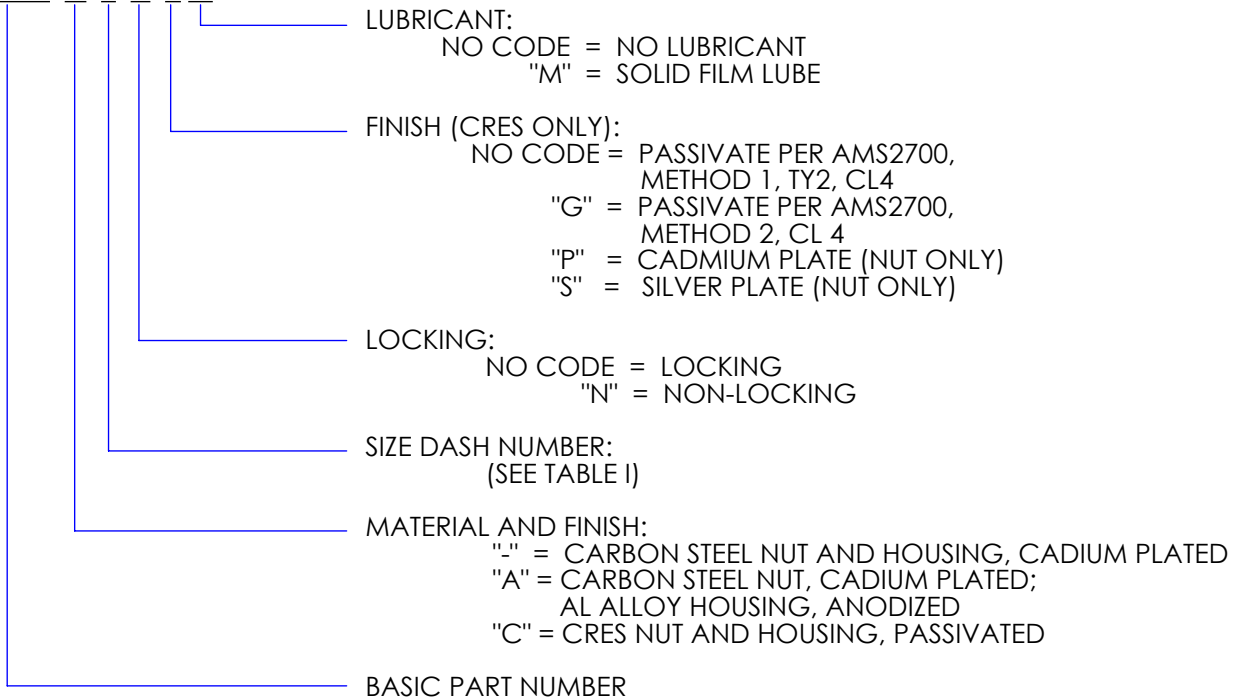
- CARBON STEEL - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
 AL ALLOY - HOUSING - ANODIZE PER MIL-A-8625, TYPE I, CLASS OPTIONAL.
 AL ALLOY - CAP - ANODIZE PER MIL-A-8625, TYPE I, CLASS OPTIONAL OR COAT PER MIL-DTL-5541, CLASS 3 OR CLASS 1A.
 CRES - PASSIVATE PER AMS2700, METHOD 1, TYPE 2, CLASS 4; PASSIVATE PER AMS2700, METHOD 2, CLASS 4; SILVER PLATE PER AMS 2410 OR AMS 2411; OR CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.

LUBRICANT:

SOLID FILM LUBRICANT PER AS5272, TYPE I OR TYPE III, APPLIED TO NUT ONLY.

CODE:

NAS1835 C 4 N P M



WITTEN COMPANY
 918-272-9567

APPROVAL DATE: REV:A 9/13/2021

GAGE CODE: 0JHK5

NAS1835**INSERT, MOLDED IN, BLIND THREADED, LOCKING,
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NAS1835-3M	=	.1900-32 UNJF-3B THREAD, CARBON STEEL NUT AND HOUSING, CADMIUM PLATED WITH SOLID FILM LUBRICANT ON NUT, LOCKING.
NAS1835A3N	=	.1900-32 UNJF-3B THREAD CARBON STEEL NUT, CADMIUM PLATED, NON-LOCKING, AL ALLOY ANODIZED HOUSING.
NAS1835C3GN=		.1900-32 UNJF-3B THREAD, CRES NUT AND HOUSING, PASSIVATED PER AMS2700, METHOD 2, CLASS 4, NON-LOCKING.
NAS1835C4S	=	.2500-28 UNJF-3B THREAD, CRES NUT AND HOUSING, PASSIVATED PER AMS2700, METHOD 1, TYPE 2, CLASS 4, SILVER PLATED NUT, LOCKING.
NAS1835C4P	=	.2500-28 UNJF-3B THREAD, CRES NUT AND HOUSING, PASSIVATED PER AMS2700, METHOD 1, TYPE 2, CLASS 4, CADMIUM PLATED NUT, LOCKING.

NOTES:

- /1/ THREADS PER AS8879.
- (2) LOCKING TORQUE PER NASM25027 EXCEPT LOCKING, CORROSION RESISTANT STEEL INSERT WITHOUT PLATING OR LUBRICANT WILL BE TESTED USING A SILVER PLATED BOLT OR SCREW.
- (3) TOLERANCES UNLESS OTHERWISE SPECIFIED: .XXX = ± 0.10 .XX = ± 0.02
- (4) AN ADHESIVE-BACKED INSTALLATION TAB NAS1837 (PLASTIC) SHALL BE FURNISHED WITH EACH INSERT.
- /5/ PLATING OR SOLID FILM LUBRICANT IS RECOMMENDED ON LOCKING CRES INSERTS.
- /6/ MINIMUM RADIAL FLOAT .032.
- /7/ MAXIMUM BOLT ENGAGEMENT SHOULD NOT EXCEED "L" MINUS .060.
- (8) NOT USED.
- /9/ BURRS AROUND POTTING HOLES OR SLOTS PERMISSABLE UNDER FLANGE.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M -1982.
- (11) DIMENSIONS IN INCHES.
- /12/ MINIMUM "GO" THREAD GAGE PENETRATION SHALL BE ONE HALF REVOLUTION BEFORE LUBRICATION. MINIMUM BOLT THREAD PENETRATION SHALL BE THREE QUARTER REVOLUTION AFTER LUBRICATION.
- /13/ STRAIGHT OR DIAMOND ANTIROTATIONAL KNURL (MANUFACTURER'S OPTION).
- /14/ CENTERLINE OF THREAD LOCK WHEN APPLICABLE.
- /15/ SHANK DEFORMED IN THIS AREA TO PROVIDE THREAD LOCK WHEN APPLICABLE.
- /16/ POTTING AND VENT HOLES OR SLOTS (MANUFACTURER'S OPTION).
- (17) DIMENSIONAL LIMITS APPLY AFTER PLATING, AND PRIOR TO SOLID FILM LUBE.

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NOTES:

- (18) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (19) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (20) 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.