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REV.
B

AS3082™

RATIONALE

FEDERAL SUPPLY CLASS
5325

1. FSC HAS BEEN UPDATED FROM 5340 TO 5325.
2. NASM8846 HAS BEEN IDENTIFIED AS A SUITABLE PROCUREMENT SPECIFICATION FOR THIS FAMILY OF PARTS.
3. INSTALLED INSERTS DO NOT MEET THE MINOR DIAMETER REQUIREMENTS OF "J" THREADS BUT WILL ACCEPT MALE FASTENERS WITH "J" THREADS. "NOMINAL THREAD SIZE" IS USED IN SIMILAR STANDARDS (NASM21209, NAS1130).
4. NASM8846 (PROCUREMENT SPECIFICATION) FULLY DEFINES THE MATERIAL REQUIREMENTS.
5. AS1229 PREVAILING TORQUE AND IDENTIFICATION REQUIREMENTS DIFFER FROM NASM8846.
6. INFORMATION FROM NOTE 8 MOVED TO NOTE 6.

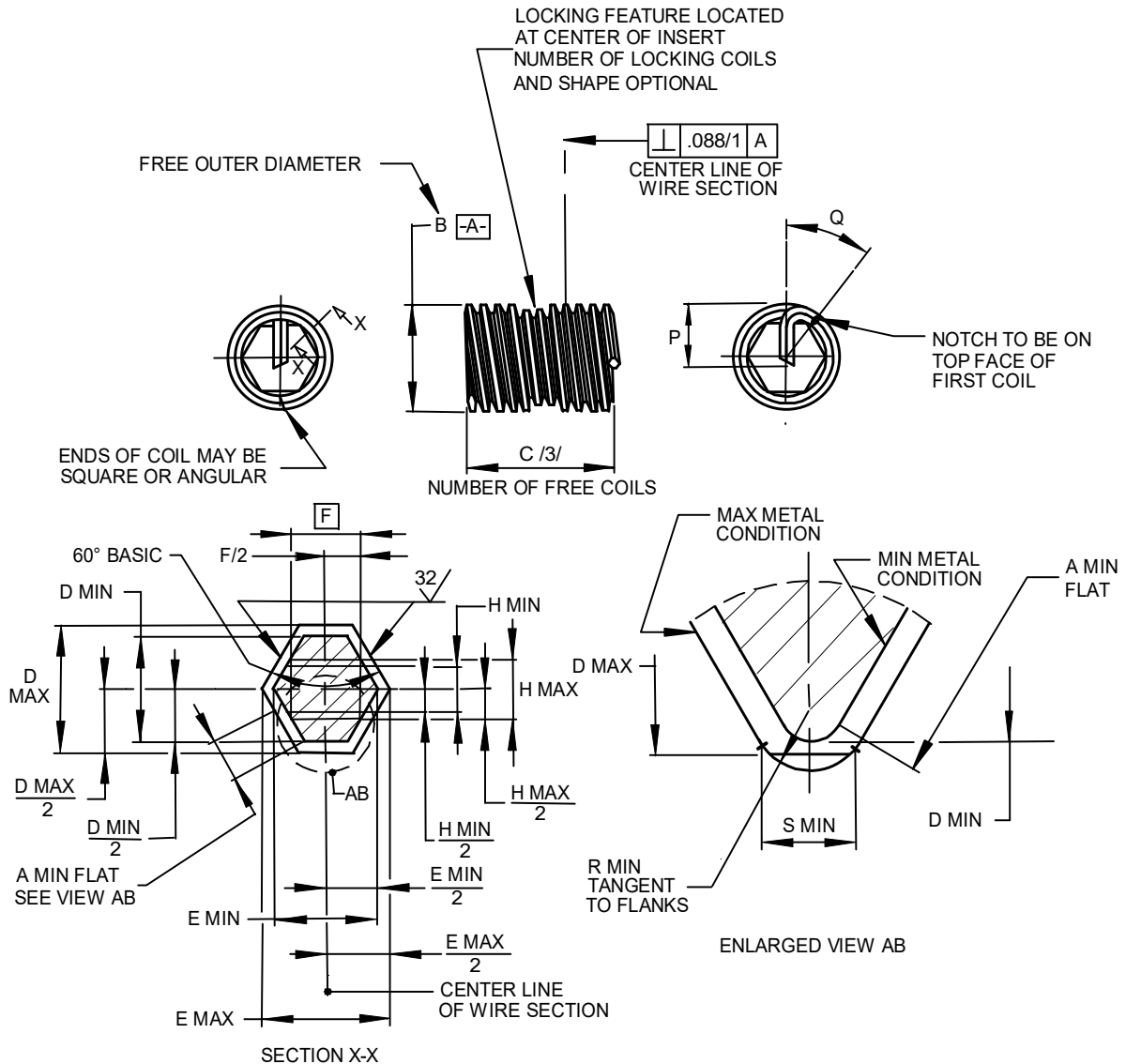
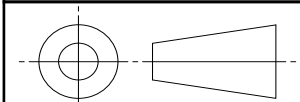


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3082B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NASM8846



AEROSPACE STANDARD

INSERT - CRES HELICAL COIL FINE THREAD, STRAIGHT
STUD LOCKING, 2.5 DIA NOM LENGTH

AS3082™
SHEET 1 OF 2

REV.
B

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TABLE 1

PART NUMBER	NOMINAL THREAD SIZE	NOMINAL LENGTH	A MIN	B		C ±.250 COIL
				MAX	MIN	
AS3082-03	.1900-32	.475	.0076	.256	.236	12.250
AS3082-04	.2500-28	.625	.0085	.326	.306	14.500
AS3082-05	.3125-24	.781	.0120	.400	.380	15.625
AS3082-06	.3750-24	.938	.0120	.468	.448	19.125
AS3082-07	.4375-20	1.094	.0164	.549	.524	18.500
AS3082-08	.5000-20	1.250	.0164	.617	.592	21.375

TABLE 1 (CONTINUED)

PART NUMBER	D		E		F GAGE	H		P	
	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN
AS3082-03	.0338	.0295	.0273	.0233	.01563	.02030	.01985	.176	.130
AS3082-04	.0387	.0347	.0313	.0253	.01786	.02320	.02270	.239	.173
AS3082-05	.0449	.0410	.0365	.0305	.02083	.02706	.02656	.291	.203
AS3082-06	.0449	.0410	.0365	.0305	.02083	.02706	.02656	.353	.235
AS3082-07	.0540	.0500	.0438	.0378	.02500	.03248	.03198	.416	.281
AS3082-08	.0540	.0500	.0438	.0378	.02500	.03248	.03198	.478	.313

TABLE 1 (CONTINUED)

PART NUMBER	Q	R MIN	S MIN	APPROX MASS LB/100
AS3082-03	15-90°	.0056	.0098	.140
AS3082-04	15-75°	.0064	.0112	.276
AS3082-05	15-75°	.0075	.0130	.490
AS3082-06	15-75°	.0075	.0130	.709
AS3082-07	15-75°	.0090	.0156	1.250
AS3082-08	15-75°	.0090	.0156	1.563

NOTES:

- NOMINAL LENGTH IS REFERENCE AND EQUALS BASIC THICKNESS OF PLATE FOR INSERT ASSEMBLY. SEE TABLE 1.
- ASSEMBLED LENGTH OF INSERT TO BE AS SPECIFIED ON DWG NASM33537. ASSEMBLED LENGTH OF INSERT TO BE MEASURED 90° FROM TANG.
- NUMBER OF FREE COILS TO BE COUNTED 90° FROM TANG.
- MATERIAL PER PROCUREMENT SPECIFICATION.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 32 MICROINCHES Ra.
- PROCUREMENT SPECIFICATION: NASM8846 EXCEPT PERFORMANCE AND IDENTIFICATION PER AS1229-1.
- ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.
- MARK AS NUMBER AND MANUFACTURER'S IDENTIFICATION PER AS478-37.
- DIMENSIONS AND TOLERANCING: ASME Y14.5M-1982.
- DO NOT USE UNASSIGNED AEROSPACE IDENTIFICATION NUMBERS.
- UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

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	AEROSPACE STANDARD		AS3082™ SHEET 2 OF 2	REV. B
	INSERT - CRES HELICAL COIL FINE THREAD, STRAIGHT STUD LOCKING, 2.5 DIA NOM LENGTH			


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