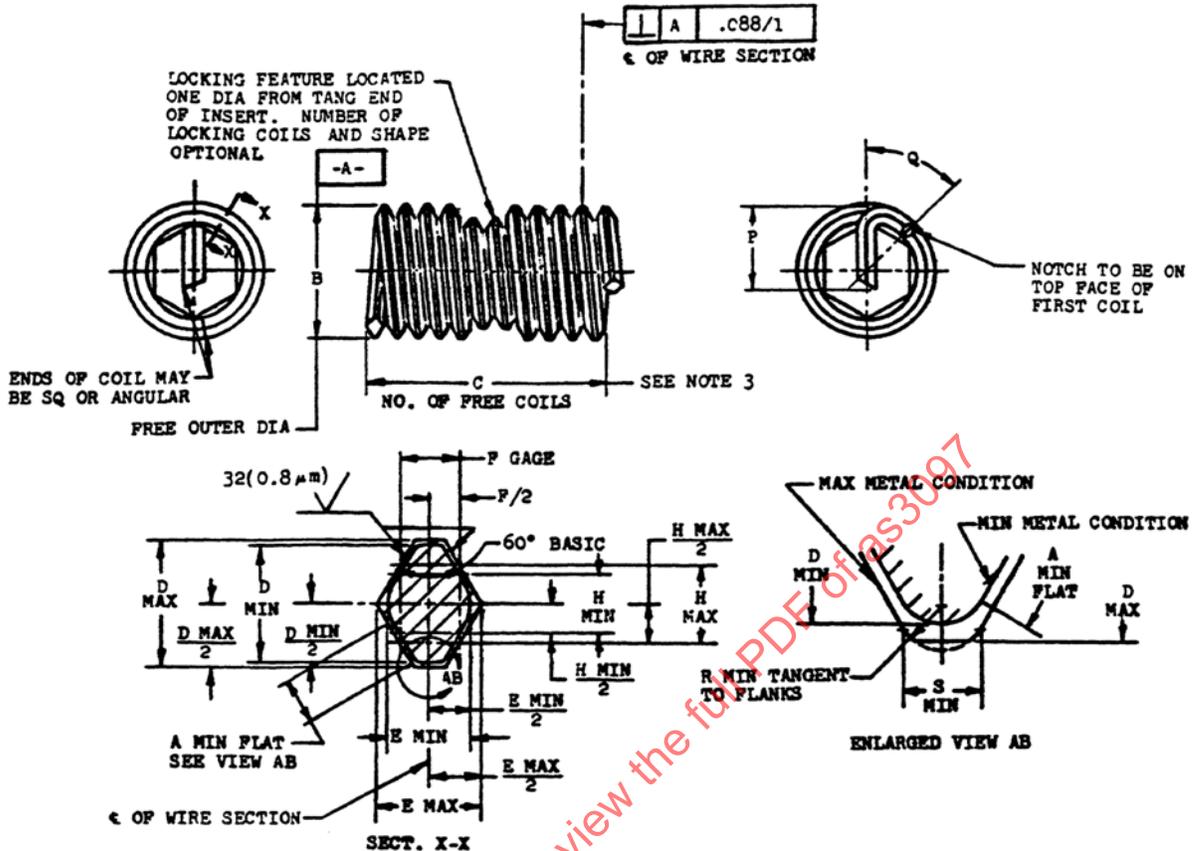


RATIONALE

AS3097 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

SAE AS3097



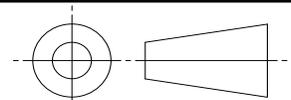
1. NOMINAL LENGTH IS REFERENCED AND EQUALS BASIC THICKNESS OF PLATE FOR INSERT ASSEMBLY. SEE TABLE.
2. ASSEMBLED LENGTH OF INSERT TO BE AS SPECIFIED ON DWG MS33337. ASSEMBLED LENGTH OF INSERT TO BE MEASURED 90° FROM TANG.
3. NUMBER OF FREE COILS TO BE COUNTED 90° FROM TANG.
4. MATERIAL: STEEL, CORROSION RESISTANT, AMS 7245 (MATERIAL AND MFG)
5. SURFACE TEXTURE: ANSI B46.1-1962.
6. INSERT PERFORMANCE PER AS 1349.
7. DIMENSIONS IN INCHES (MILLIMETRES). METRIC CONVERSIONS ARE IN INTERNATIONAL SYSTEM UNITS (SI).
8. IDENTIFICATION: MARK AS NUMBER AND MANUFACTURER'S IDENTIFICATION ON CONTAINER. COLOR INSERT PER AS 1349.
9. DIMENSIONING AND TOLERANCING: ANSI Y14.5-1966.
10. DO NOT USE UNASSIGNED AEROSPACE IDENTIFICATION NUMBERS.

SOURCE OF SUPPLY:  
HELI-COIL PRODUCTS,  
DIVISION OF MITE CORPORATION  
DANBURY, CONN. 06810  
FEDERAL SUPPLY CODE FOR MANUFACTURER'S NO. 01550  
DRAWING NO. 53591

ONLY THE ITEM DESCRIBED ON THIS DRAWING WHEN PROCURED FROM THE VENDOR LISTED HEREON IS APPROVED FOR USE IN THE APPLICATIONS SPECIFYING THIS AEROSPACE STANDARD IDENTIFICATION NUMBER. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR TESTING AND APPROVAL BY THE DESIGN ACTIVITY RESPONSIBLE FOR THE APPLICATION.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3097>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

INSERT - CRES HELICAL COIL FINE THREAD, LOCKING  
(LOW FRICTION SYSTEMS) 3 DIA NOM LENGTH

**SAE AS3097**  
SHEET 1 OF 2

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ISSUED 1974-06 REAFFIRMED 2012-11