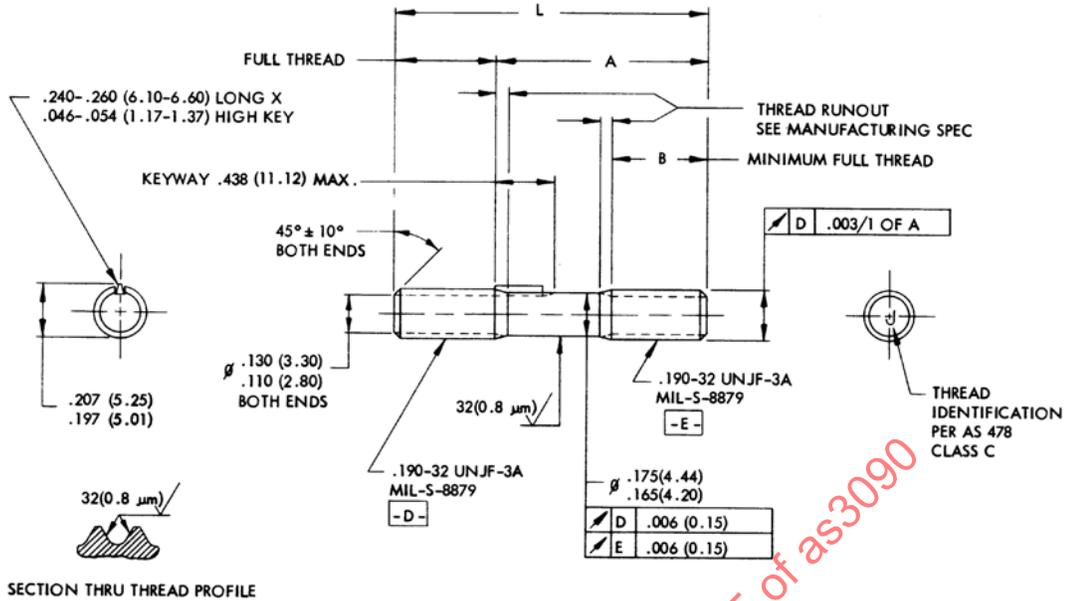


RATIONALE

AS3090 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

**SAE AS3090**



SECTION THRU THREAD PROFILE

- MATERIAL:** STUD - CORROSION AND HEAT RESISTANT STEEL, AMS 5731  
KEY - CRES, AMS 5688.
- FINISH:** STUD - NONE.  
KEY - NONE.
- MANUFACTURING SPECIFICATION:** AMS 7477. EXCEPT BLANKS MAY BE MACHINED. REQUIREMENTS RELATED TO BOLT HEADS NOT APPLICABLE.
- FLUORESCENT PENETRANT INSPECTION PER AMS 2645.**
- SURFACE TEXTURE:** ANSI B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES (3.2 MICROMETRES).
- DIMENSIONING AND TOLERANCING:** ANSI Y14.5-1973.  $\phi$  = DIAMETER. FORM TOLERANCES AND RELATED DATUMS ARE RFS.
- BREAK SHARP EDGES .003-.015 (0.08-0.38) UNLESS OTHERWISE SPECIFIED.**
- DIMENSIONS IN INCHES, (MILLIMETRES), METRIC CONVERSIONS IN PARENTHESIS ARE IN INTERNATIONAL SYSTEMS UNITS (SI).**
- MARK AEROSPACE STANDARD IDENTIFICATION NUMBER AND MANUFACTURERS IDENTIFICATION ON CONTAINER.**
- DO NOT USE UNASSIGNED AEROSPACE STANDARD IDENTIFICATION NUMBERS.**
- THE INSTALLED STUD SHALL HAVE A MINIMUM RESISTANCE TO TORQUE OUT OF 45 LBF-IN (5.08 N.m).**

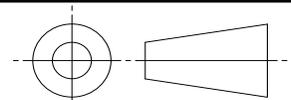
SOURCE OF SUPPLY

TRIDAIR INDUSTRIES  
FASTENER DIVISION  
TORRANCE, CALIFORNIA 90505  
MANUFACTURER'S CODE IDENT NO. 29372  
DRAWING NO. TR15113

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/AS3090>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

STUD - STRAIGHT, KEY LOCKED, CRES AMS5731  
.190-32 UNJF X .190-32 UNJF

**SAE AS3090**  
SHEET 1 OF 2

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