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REV.
A

AS3090™

FEDERAL SUPPLY CLASS
5307

RATIONALE

REVISE THREAD TO AS8879, REVISE FPI REFERENCE AND REQUIREMENTS, DELETE ALL SOURCE CONTROL AND SOURCE OF SUPPLY INFORMATION, REVISE THREAD TO THREAD AND THREAD TO SHANK POSITIONAL TOLERANCES, ADD STRAIGHTNESS REQUIREMENT, REVISE LEAD END CHAMFERS TO AS1132, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, DELETE METRIC DIMENSIONS, FIGURE 1 RE-DRAWN WITH EDITORIAL UPDATES, UPDATE TO ANSI Y14.5M-1982, UPDATE SURFACE TEXTURE REFERENCES, ADD AS3062 INCOMPLETE THREAD REQUIREMENTS, GENERAL EDITORIAL REVISION.

AS3090A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

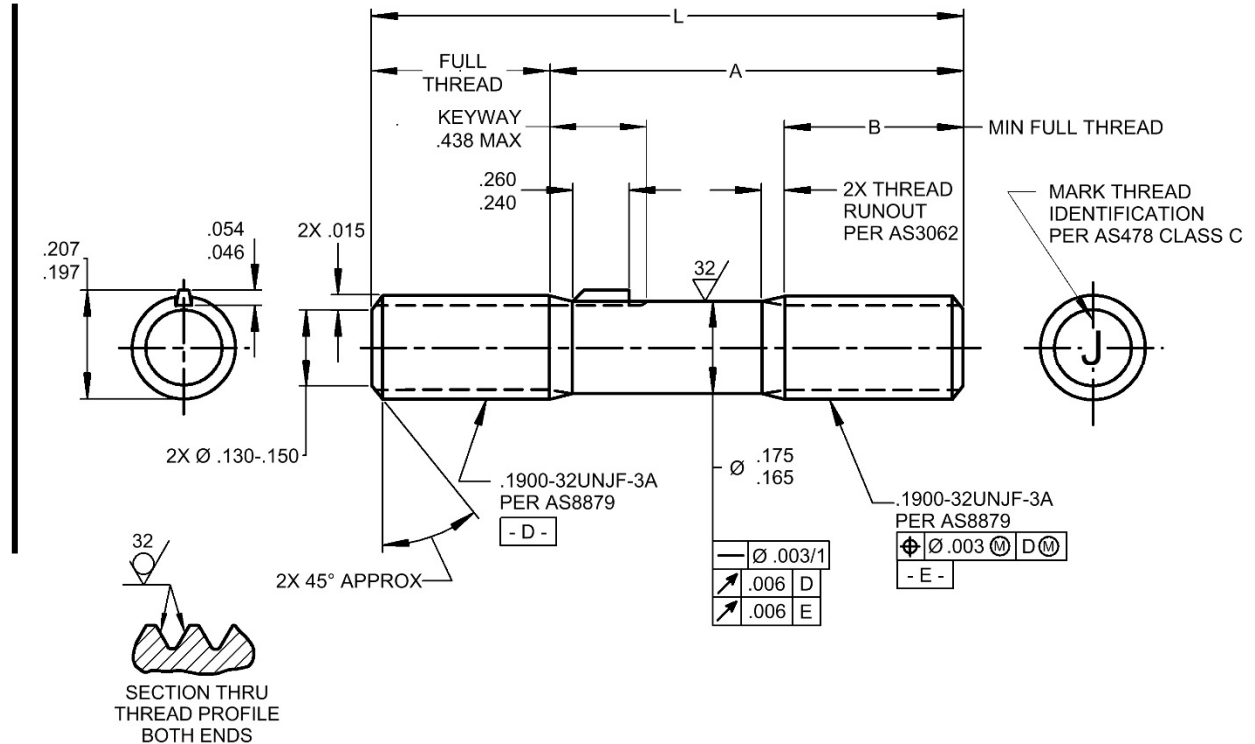
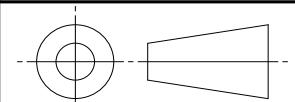


FIGURE 1 - STUD

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3090A/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AMS7477 /3/



AEROSPACE STANDARD

STUD - STRAIGHT, KEY LOCKED, CRES UNS S66286
.1900-32 UNJF X .1900-32 UNJF

AS3090™
SHEET 1 OF 2

REV.
A

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TABLE 1 - PART NUMBERS, DIMENSIONS L, A, B AND APPROX. MASS

PART NUMBERS	L	A	B MIN	APPROX MASS LB/100
AS3090-01	.865-.885	.490-.510	.375	.57
AS3090-02	.928-.948	.552-.572	.438	.61
AS3090-03	.990-1.010	.615-.635	.500	.65
AS3090-04	1.052-1.072	.678-.698	.500	.69
AS3090-05	1.115-1.135	.740-.760	.500	.73
AS3090-06	1.178-1.198	.802-.822	.500	.77
AS3090-07	1.240-1.260	.865-.885	.500	.81
AS3090-08	1.302-1.322	.928-.948	.500	.85
AS3090-09	1.365-1.385	.990-1.010	.500	.89
AS3090-10	1.428-1.448	1.052-1.072	.500	.93
AS3090-11	1.490-1.510	1.115-1.135	.500	.97
AS3090-12	1.552-1.572	1.178-1.198	.500	1.01
AS3090-13	1.615-1.635	1.240-1.260	.500	1.05
AS3090-14	1.678-1.698	1.302-1.322	.500	1.09

- MATERIAL: STUD - CORROSION AND HEAT RESISTANT STEEL, AMS5731 (UNS S66286)
KEY - CRES, AMS5688.
- FINISH: STUD - NONE.
KEY - NONE.
- PROCUREMENT SPECIFICATION: AS7477. EXCEPT BLANKS MAY BE MACHINED. REQUIREMENTS RELATED TO BOLT HEADS NOT APPLICABLE.
- FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MIN.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ANSI B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
- BREAK SHARP EDGES .003-.015, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE IN INCHES.
- MARK AEROSPACE STANDARD IDENTIFICATION NUMBER AND MANUFACTURERS IDENTIFICATION ON CONTAINER.
- DO NOT USE UNASSIGNED PART NUMBERS.
- THE INSTALLED STUD SHALL HAVE A MINIMUM RESISTANCE TO TORQUE OUT OF 45 LBF-IN.
- UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

SPECIFICATION NOTES

- 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.

	AEROSPACE STANDARD		AS3090™ SHEET 2 OF 2	REV. A
	STUD - STRAIGHT, KEY LOCKED, CRES UNS S66286 .1900-32 UNJF X .1900-32 UNJF			

