

REV.
C

AS3141™

FEDERAL SUPPLY CLASS
5307

RATIONALE

RELOCATE POSITION FEATURE CONTROL FRAME TO THREAD CALLOUT, REVISE LEAD THREAD CHAMFERS TO CONFORM TO AS1132, ADD AS3062 THREAD RUNOUT, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, GENERAL EDITORIAL UPDATES.

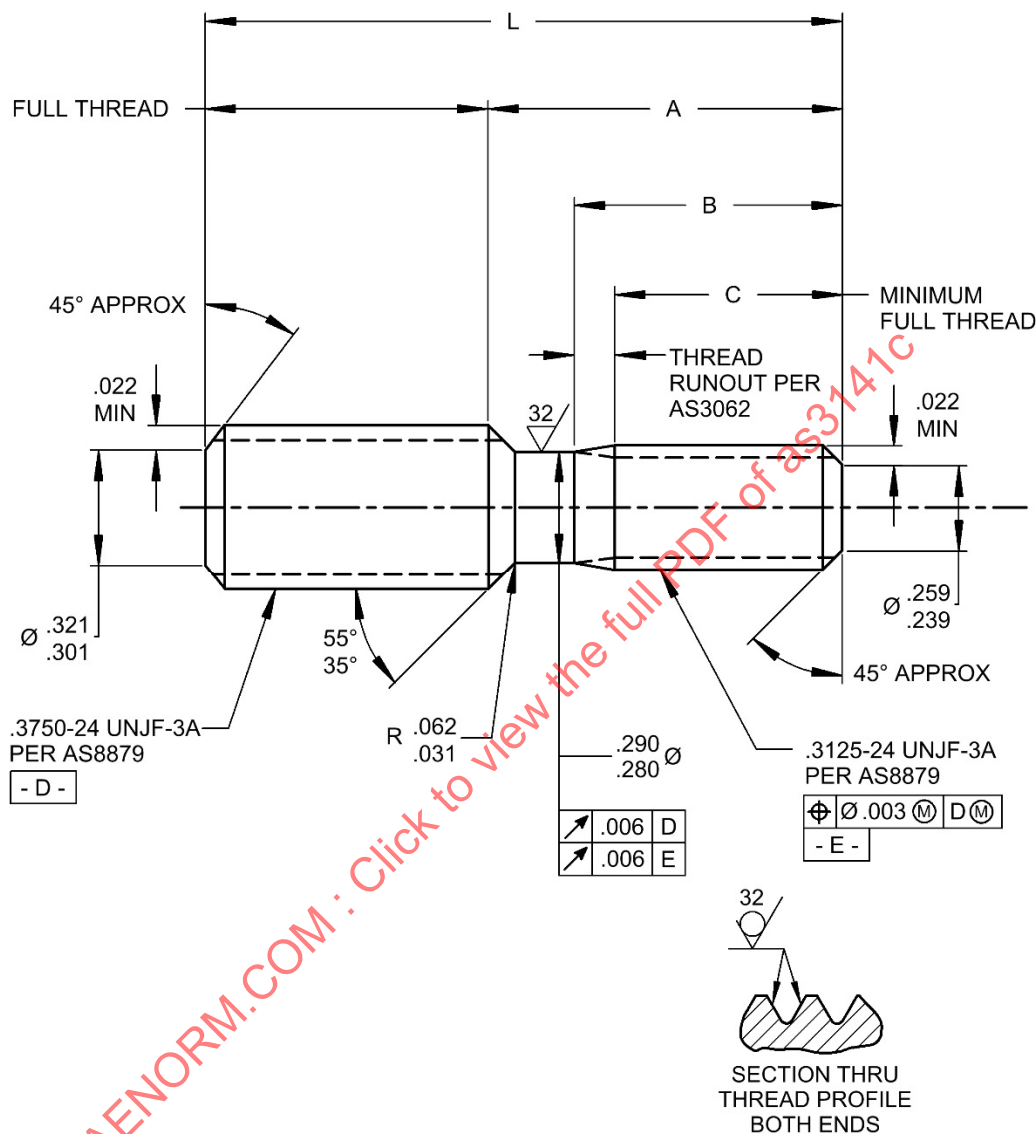
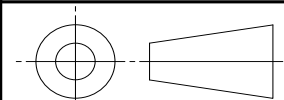


FIGURE 1 - STUD

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3141C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477 /2/



AEROSPACE STANDARD

STUD, STEPPED - 2.5 DIA ENGAGEMENT,
PD SHANK, UNS S66286
.3750-24 UNJF-3A X .3125-24 UNJF-3A

AS3141™
SHEET 1 OF 3

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TABLE 1 - PART NUMBERS, DIMENSIONS AND APPROX. MASS

PART NUMBER	L	A	B MAX	C MIN	APPROX MASS LB/100
AS3141-07	1.615-1.635	.678- .698	.590	.506	3.77
AS3141-08	1.678-1.698	.740- .760	.652	.568	3.88
AS3141-09	1.740-1.760	.802- .822	.709	.625	3.99
AS3141-10	1.802-1.822	.865- .885	.709	.625	4.11
AS3141-11	1.865-1.885	.928- .948	.709	.625	4.22
AS3141-12	1.928-1.948	.990-1.010	.709	.625	4.33
AS3141-13	1.990-2.010	1.052-1.072	.709	.625	4.44
AS3141-14	2.115-2.135	1.178-1.198	.709	.625	4.66
AS3141-15	2.240-2.260	1.302-1.322	.709	.625	4.88
AS3141-16	2.365-2.385	1.428-1.448	.709	.625	5.11
AS3141-17	2.490-2.510	1.552-1.572	.709	.625	5.34
AS3141-18	2.615-2.635	1.678-1.698	.709	.625	5.58
AS3141-19	2.740-2.760	1.802-1.822	.709	.625	5.79
AS3141-20	2.865-2.885	1.928-1.948	.709	.625	6.02
AS3141-21	2.990-3.010	2.052-2.072	.709	.625	6.24
AS3141-22	3.115-3.125	2.178-2.198	.709	.625	6.46
AS3141-23	3.240-3.260	2.302-2.322	.709	.625	6.68
AS3141-24	3.365-3.385	2.428-2.448	.709	.625	6.91
AS3141-25	3.490-3.510	2.552-2.572	.709	.625	7.14
AS3141-26	3.615-3.635	2.678-2.698	.709	.625	7.38
AS3141-27	3.740-3.760	2.802-2.822	.709	.625	7.59
AS3141-28	3.865-3.885	2.928-2.948	.709	.625	7.82
AS3141-29	3.990-4.010	3.052-3.072	.709	.625	8.04
AS3141-30	4.115-4.135	3.178-3.198	.709	.625	8.26
AS3141-31	4.240-4.260	3.302-3.322	.709	.625	8.48
AS3141-32	4.365-4.385	3.428-3.448	.709	.625	8.71
AS3141-33	4.490-4.510	3.552-3.572	.709	.625	8.94

NOTES:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS5731 (COMPOSITION SIMILAR TO UNS S66286).
2. MANUFACTURING SPECIFICATION: EXCEPT REQUIREMENTS RELATED TO BOLT HEADS NOT APPLICABLE.
3. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M TYPE 1. SENSITIVITY LEVEL 2 MIN.
5. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
6. DIMENSIONS ARE IN INCHES.
7. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
8. MARK PART NUMBER PER AS478-37.
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

	AEROSPACE STANDARD	AS3141™ SHEET 2 OF 3	REV. C
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