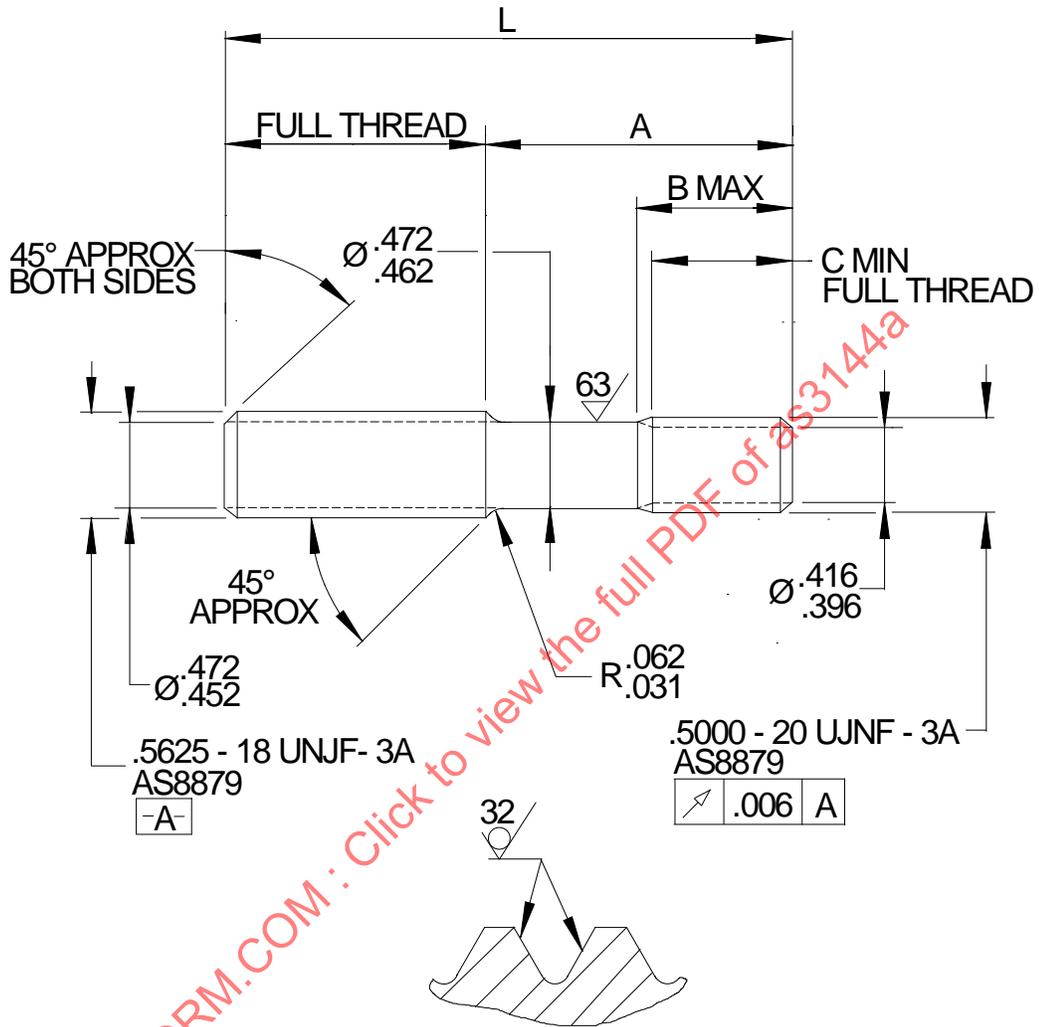


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AS3144™

RATIONALE

STANDARD REVISED TO DELETE DUAL DIMENSIONING (FIGURE REDRAWN, TABLE RETYPED), NOTES UPDATED WHERE APPLICABLE.

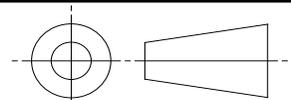


SECTION THRU BOTH
THREAD PROFILES

FIGURE 1

SAE values your input. To provide feedback
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<http://www.sae.org/technical/standards/AS3144A>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION AS7477 /2/



AEROSPACE STANDARD

(R) STUD, STEPPED
2.5 DIA ENGAGEMENT, PD SHANK,
AMS5731, .5625-18 UNJF-3A X .500-20 UNJF-3A

AS3144™
SHEET 1 OF 3

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TABLE 1 - DIMENSIONS

PART NUMBER	L	K	B MAX	C MIN	APPROX MASS LB/100
AS3144-04	2.240 - 2.260	.834 - .854	.742	.642	12.82
AS3144-05	2.365 - 2.385	.959 - .979	.867	.767	13.43
AS3144-06	2.490 - 2.510	1.084 - 1.104	.975	.875	14.04
AS3144-07	2.615 - 2.635	1.209 - 1.229	.975	.875	14.64
AS3144-08	2.740 - 2.760	1.334 - 1.354	.975	.875	15.25
AS3144-09	2.865 - 2.885	1.459 - 1.479	.975	.875	15.86
AS3144-10	2.990 - 3.010	1.584 - 1.604	.975	.875	16.47
AS3144-11	3.115 - 3.135	1.709 - 1.729	.975	.875	17.08
AS3144-12	3.240 - 3.260	1.834 - 1.854	.975	.875	17.69
AS3144-13	3.365 - 3.385	1.959 - 1.979	.975	.875	18.30
AS3144-14	3.490 - 3.510	2.084 - 2.104	.975	.875	18.91
AS3144-15	3.615 - 3.635	2.209 - 2.229	.975	.875	19.52
AS3144-16	3.740 - 3.760	2.334 - 2.354	.975	.875	20.13
AS3144-17	3.865 - 3.885	2.459 - 2.479	.975	.875	20.74
AS3144-18	3.990 - 4.010	2.584 - 2.604	.975	.875	21.35
AS3144-19	4.115 - 4.135	2.709 - 2.729	.975	.875	21.96
AS3144-20	4.240 - 4.260	2.834 - 2.854	.975	.875	22.57
AS3144-21	4.365 - 4.385	2.959 - 2.979	.975	.875	23.18
AS3144-22	4.490 - 4.510	3.084 - 3.104	.975	.875	23.79
AS3144-23	4.615 - 4.635	3.209 - 3.229	.975	.875	24.40
AS3144-24	4.740 - 4.760	3.334 - 3.354	.975	.875	25.01
AS3144-25	4.865 - 4.885	3.459 - 3.479	.975	.875	25.62
AS3144-26	4.990 - 5.010	3.584 - 3.604	.975	.875	26.23
AS3144-27	5.115 - 5.135	3.709 - 3.729	.975	.875	26.84
AS3144-28	5.240 - 5.260	3.834 - 3.854	.975	.875	27.45
AS3144-29	5.365 - 5.385	3.959 - 3.979	.975	.875	28.06
AS3144-30	5.490 - 5.510	4.084 - 4.104	.975	.875	28.67
AS3144-31	5.615 - 5.635	4.209 - 4.229	.975	.875	29.28
AS3144-32	5.740 - 5.760	4.334 - 4.354	.975	.875	29.89
AS3144-33	5.865 - 5.885	4.459 - 4.479	.975	.875	30.50
AS3144-34	5.990 - 6.010	4.584 - 4.604	.975	.875	31.11
AS3144-35	6.115 - 6.135	4.709 - 4.729	.975	.875	31.72
AS3144-36	6.240 - 6.260	4.834 - 4.854	.975	.875	32.33

NOTES:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS5731.
2. PROCUREMENT SPECIFICATION: AS7477 REQUIREMENTS RELATED TO BOLT HEADS NOT APPLICABLE.
3. SURFACE TEXTURE: REQUIREMENTS PER ASME B46.1, SYMBOLS PER ASME Y14.36M.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M TYPE I, SENSITIVITY LEVEL 2.
5. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
6. DIMENSIONS IN INCHES.
7. DIMENSIONS AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
8. MARK PART NUMBER PER AS478-37.
9. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS3144™ SHEET 2 OF 3	REV. A
	(R) STUD, STEPPED 2.5 DIA ENGAGEMENT, PD SHANK, AMS5731, .5625-18 UNJF-3A X .500-20 UNJF-3A		