

REV.
B

AS3143

RATIONALE

REVISE THREAD SPECIFICATION TO AS8879, UPDATE FPI REQUIREMENTS, REDRAW TABLE TO DELETE METRIC DUAL DIMENSIONING, REFERENCES UPDATED WHERE REQUIRED.

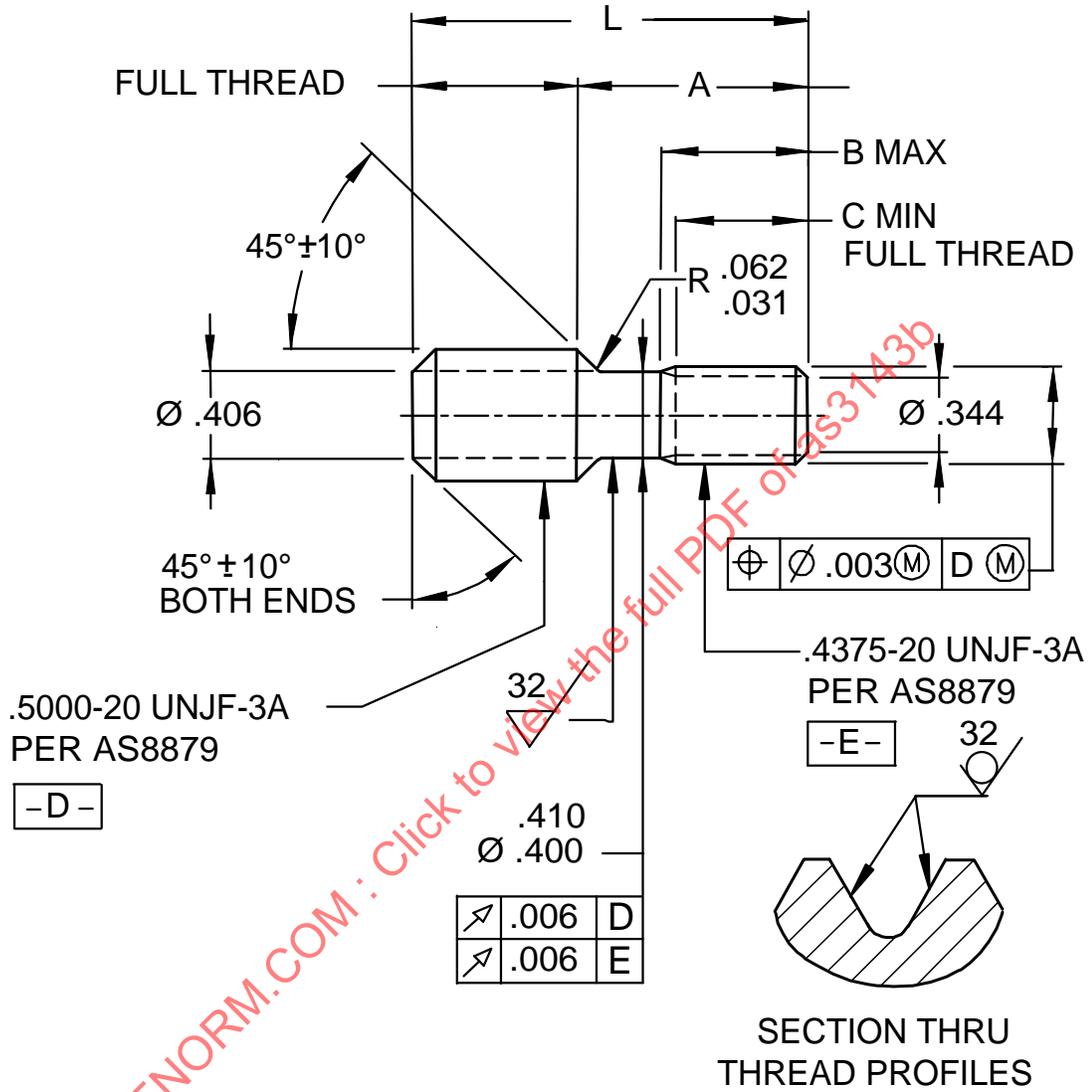
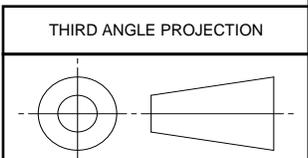


FIGURE 1

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CUSTODIAN: E-25 PROCUREMENT SPECIFICATION: AS7477

	AEROSPACE STANDARD (R) STUD, STEPPED - 2.5 DIA ENGAGEMENT, PD SHANK, AMS5731 .5000-20 UNJF-3A X .4375-20 UNJF-3A	AS3143 SHEET 1 OF 3	REV. B
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ISSUED 1976-04 NONCURRENT 1999-03 REAFFIRMED NONCURRENT 2004-07 REVISED 2014-12

TABLE 1

PART NUMBER	L	A	B MAX	C MIN	APPROX MASS LB/100
AS3143-05	1.990 - 2.010	.740 - .760	.648	.548	9.10
AS3143-06	2.115 - 2.135	.865 - .885	.773	.673	9.60
AS3143-07	2.240 - 2.260	.990 - 1.010	.850	.750	10.10
AS3143-08	2.365 - 2.385	1.115 - 1.135	.850	.750	10.60
AS3143-09	2.490 - 2.510	1.240 - 1.260	.850	.750	11.10
AS3143-10	2.615 - 2.635	1.365 - 1.385	.850	.750	11.60
AS3143-11	2.740 - 2.760	1.490 - 1.510	.850	.750	12.10
AS3143-12	2.865 - 2.885	1.615 - 1.635	.850	.750	12.60
AS3143-13	2.990 - 3.010	1.740 - 1.760	.850	.750	13.10
AS3143-14	3.115 - 3.135	1.865 - 1.885	.850	.750	13.60
AS3143-15	3.240 - 3.260	1.990 - 2.010	.850	.750	14.10
AS3143-16	3.365 - 3.385	2.115 - 2.135	.850	.750	14.60
AS3143-17	3.490 - 3.510	2.240 - 2.260	.850	.750	15.10
AS3143-18	3.615 - 3.635	2.365 - 2.385	.850	.750	15.60
AS3143-19	3.740 - 3.760	2.490 - 2.510	.850	.750	16.10
AS3143-20	3.865 - 3.885	2.615 - 2.635	.850	.750	16.60
AS3143-21	3.990 - 4.010	2.740 - 2.760	.850	.750	17.10
AS3143-22	4.115 - 4.135	2.865 - 2.885	.850	.750	17.60
AS3143-23	4.240 - 4.260	2.990 - 3.010	.850	.750	18.10
AS3143-24	4.365 - 4.385	3.115 - 3.135	.850	.750	18.60
AS3143-25	4.490 - 4.510	3.240 - 3.260	.850	.750	19.10
AS3143-26	4.615 - 4.635	3.365 - 3.385	.850	.750	19.60
AS3143-27	4.740 - 4.760	3.490 - 3.510	.850	.750	20.10
AS3143-28	4.865 - 4.885	3.615 - 3.635	.850	.750	20.60
AS3143-29	4.990 - 5.010	3.740 - 3.760	.850	.750	21.10
AS3143-30	5.115 - 5.135	3.865 - 3.885	.850	.750	21.60
AS3143-31	5.240 - 5.260	3.990 - 4.010	.850	.750	22.10
AS3143-32	5.365 - 5.385	4.115 - 4.135	.850	.750	22.60
AS3143-33	5.490 - 5.510	4.240 - 4.260	.850	.750	23.10
AS3143-34	5.615 - 5.635	4.365 - 4.385	.850	.750	23.60
AS3143-35	5.740 - 5.760	4.490 - 4.510	.850	.750	24.10
AS3143-36	5.865 - 5.885	4.615 - 4.635	.850	.750	24.60

NOTES:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS5731.
2. PROCUREMENT SPECIFICATION AS7477: 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 MICRONS 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 IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010
7. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
8. MARK PART NUMBER PER AS478-37.
9. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS3143 SHEET 2 OF 3	REV. B
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