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REV.
B

AS3089™

FEDERAL SUPPLY CLASS
5307

RATIONALE

REVISE THREAD TO THREAD AND THREAD TO SHANK POSITIONAL TOLERANCES, RELOCATE KEY DIMENSIONS FOR CLARITY. CORRECT ERROR IN A DIM FOR -14 IN TABLE 1. FIGURE 1 REDRAWN AND GENERAL EDITORIAL UPDATE.

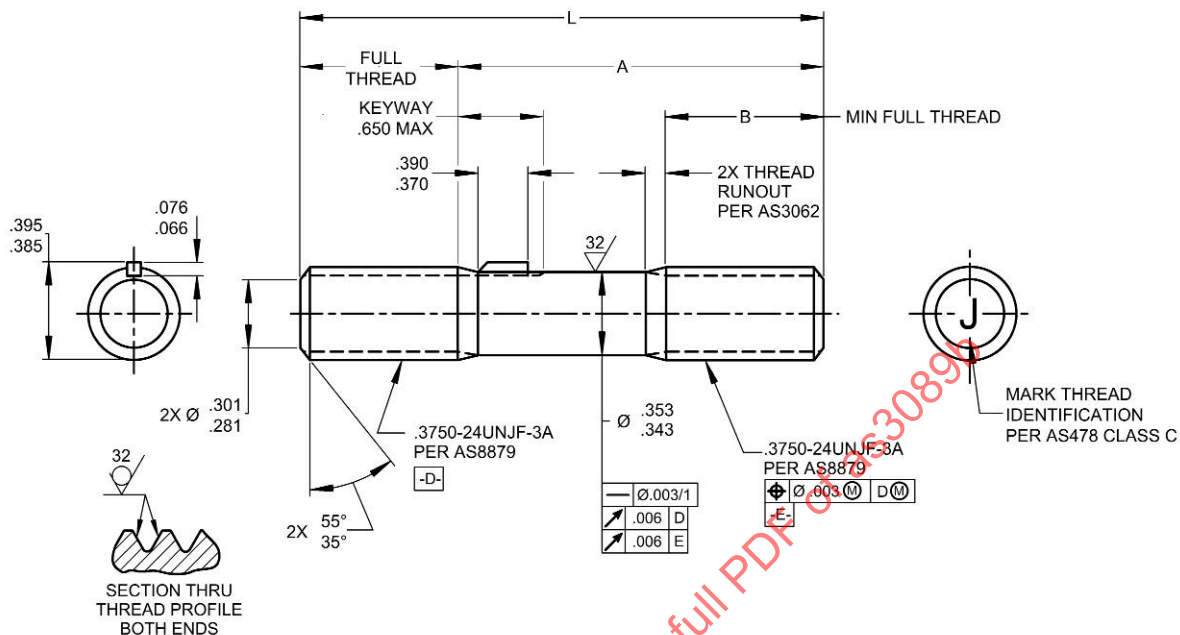
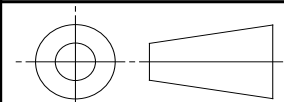


TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBERS	L	A	B MIN /a/	APPROX MASS LB/100
AS3089-01	1.428 - 1.448	.678 - .698	.562	3.88
AS3089-02	1.490 - 1.510	.740 - .760	.625	4.04
AS3089-03	1.552 - 1.572	.802 - .822	.688	4.21
AS3089-04	1.615 - 1.635	.865 - .885	.688	4.38
AS3089-05	1.678 - 1.698	.928 - .948	.688	4.55
AS3089-06	1.740 - 1.760	.990 - 1.010	.688	4.72
AS3089-07	1.802 - 1.822	1.052 - 1.072	.688	4.89
AS3089-08	1.834 - 1.854	1.083 - 1.103	.812	4.97
AS3089-09	1.865 - 1.885	1.115 - 1.135	.688	5.06
AS3089-10	1.928 - 1.948	1.178 - 1.198	.812	5.22
AS3089-11	1.990 - 2.010	1.240 - 1.260	.688	5.39
AS3089-12	2.052 - 2.072	1.302 - 1.322	.688	5.56

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS3089B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /4/



AEROSPACE STANDARD

STUD, STRAIGHT, KEY LOCKED,
CADMIUM PLATED, STEEL, UNS G87400
.3750-24 UNJF-3A X .3750-24 UNJF-3A

AS3089™
SHEET 1 OF 3

REV.
B

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

PART NUMBERS	L	A	B MIN /a/	APPROX MASS LB/100
AS3089-13	2.115 - 2.135	1.365 - 1.385	.688	5.73
AS3089-14	2.178 - 2.198	1.428 - 1.448	.688	5.90
AS3089-15	2.240 - 2.260	1.490 - 1.510	.688	6.07
AS3089-16	2.302 - 2.322	1.552 - 1.572	.688	6.23
AS3089-17	2.365 - 2.385	1.615 - 1.635	.688	6.40
AS3089-18	2.428 - 2.448	1.678 - 1.698	.688	6.57
AS3087-19	2.490 - 2.510	1.740 - 1.760	.688	6.74
AS3089-20	2.615 - 2.635	1.865 - 1.885	.688	7.08
AS3089-21	2.740 - 2.760	1.990 - 2.010	.688	7.41
AS3089-22	2.865 - 2.885	2.115 - 2.135	.688	7.75
AS3089-23	2.990 - 3.010	2.240 - 2.260	.688	8.09
AS3089-24	3.115 - 3.135	2.365 - 2.385	.688	8.42
AS3089-25	3.240 - 3.260	2.490 - 2.510	.688	8.76
AS3089-26	3.365 - 3.385	2.615 - 2.635	.688	9.10
AS3089-27	3.490 - 3.510	2.740 - 2.760	.688	9.44
AS3089-28	3.615 - 3.635	2.865 - 2.885	.688	9.77
AS3089-29	3.740 - 3.760	2.990 - 3.010	.688	10.11
AS3089-30	3.865 - 3.885	3.115 - 3.135	.688	10.45
AS3089-31	3.990 - 4.010	3.240 - 3.260	.688	10.78
AS3089-32	4.115 - 4.135	3.365 - 3.385	.688	11.12
AS3089-33	4.240 - 4.260	3.490 - 3.510	.688	11.46
AS3089-34	4.365 - 4.385	3.615 - 3.635	.688	11.79
AS3089-35	4.490 - 4.510	3.740 - 3.760	.688	12.13
AS3089-36	4.615 - 4.635	3.865 - 3.885	.688	12.47
AS3089-37	4.740 - 4.760	3.990 - 4.010	.688	12.81
AS3089-38	4.865 - 4.885	4.115 - 4.135	.688	13.14

/a/ DIMENSION "B" FOR -08 AND -10 MEETS THE REQUIREMENTS OF AND20002, AND20004, AND20006, AND20007.

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

- MATERIAL: STUD - LOW ALLOY STEEL PER AMS6322 (UNS G87400).
KEY - CORROSION RESISTANT STEEL PER AMS5688 (UNS S30500).
- HARDNESS: STUD - 26-32 HRC
KEY - AS RECEIVED.
- FINISH: STUD - CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING.
KEY - NONE.

/4/ PROCUREMENT SPECIFICATION: AS7452. REQUIREMENTS RELATED TO BOLT HEADS ARE NOT APPLICABLE.

5. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M.

6. THE INSTALLED STUD SHALL HAVE A MINIMUM RESISTANCE TO TORQUE OUT OF 240 LBF-IN.

7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.

	AEROSPACE STANDARD	AS3089™ SHEET 2 OF 3	REV. B
	STUD, STRAIGHT, KEY LOCKED, CADMIUM PLATED, STEEL, UNS G87400 .3750-24 UNJF-3A X .3750-24 UNJF-3A		