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REV.
C

AS3087™

FEDERAL SUPPLY CLASS
5307

RATIONALE

FIGURE 1 REDRAWN TO ASME Y14.5.-2018, USAGE NOTE ADDED, SPECS UPDATED, THREAD END CHAMFERS ALTERED TO AS1132 STANDARD.

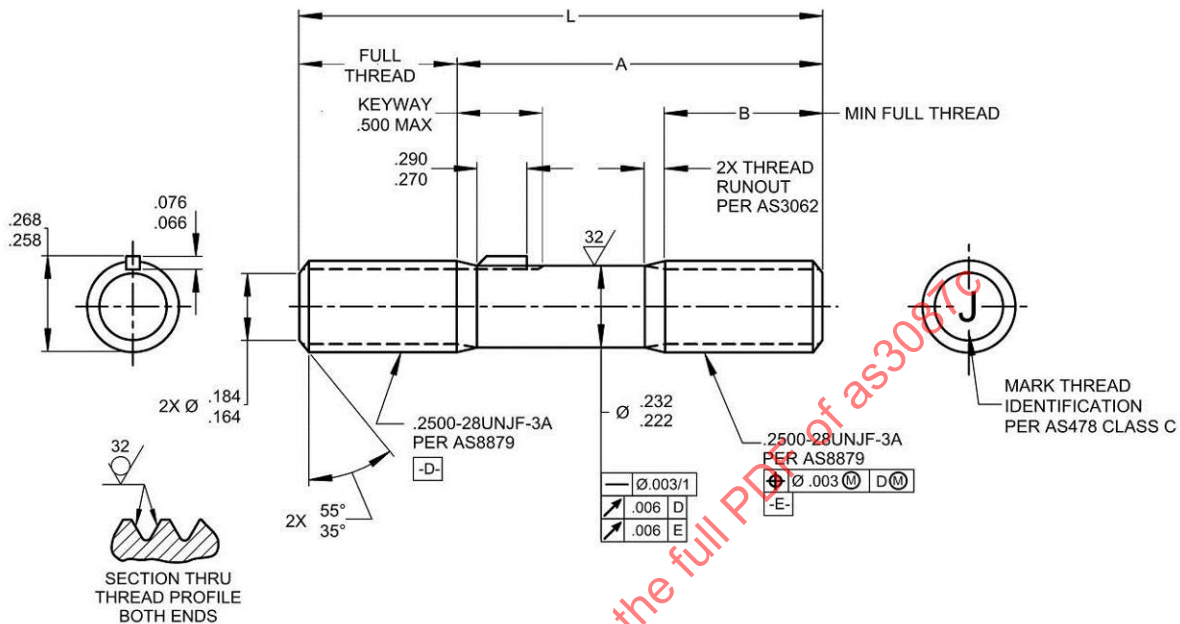


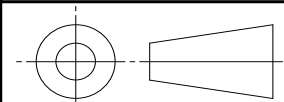
FIGURE 1 - STUD

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBERS	L	A	B MIN /a/	APPROX MASS LB/100
AS3087-01	1.052-1.072	.552- .572	.438	1.19
AS3087-02	1.115-1.135	.615- .635	.500	1.26
AS3087-03	1.178-1.198	.678- .698	.562	1.34
AS3087-04	1.240-1.260	.740- .760	.562	1.41
AS3087-05	1.302-1.322	.802- .822	.656	1.48
AS3087-06	1.365-1.385	.865- .885	.562	1.55
AS3087-07	1.428-1.448	.928- .948	.688	1.62
AS3087-08	1.490-1.510	.990-1.010	.562	1.69
AS3087-09	1.552-1.572	1.052-1.072	.562	1.77
AS3087-10	1.615-1.635	1.115-1.135	.562	1.84
AS3087-11	1.678-1.698	1.178-1.198	.562	1.91
AS3087-12	1.740-1.760	1.240-1.260	.562	1.98

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3087C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /4/



AEROSPACE STANDARD

STUD - STRAIGHT, KEY LOCKED,
CADMIUM PLATED, STEEL, UNS G87400
.2500-28 UNJF-3A X .2500-28 UNJF-3A

AS3087™
SHEET 1 OF 3

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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

PART NUMBERS	L	A	B MIN /a/	APPROX MASS LB/100
AS3087-13	1.802-1.822	1.302-1.322	.562	2.05
AS3087-14	1.865-1.885	1.365-1.385	.562	2.12
AS3087-15	1.928-1.948	1.428-1.448	.562	2.20
AS3087-16	1.990-2.010	1.490-1.510	.562	2.27
AS3087-17	2.052-2.072	1.552-1.572	.562	2.34
AS3087-18	2.115-2.135	1.615-1.635	.562	2.41
AS3087-19	2.178-2.198	1.678-1.698	.562	2.48
AS3087-20	2.240-2.260	1.740-1.760	.562	2.55
AS3087-21	2.302-2.322	1.802-1.822	.562	2.63
AS3087-22	2.365-2.385	1.865-1.885	.562	2.70
AS3087-23	2.428-2.448	1.928-1.948	.562	2.77
AS3087-24	2.490-2.510	1.990-2.010	.562	2.84
AS3087-25	2.552-2.572	2.052-2.072	.562	2.91
AS3087-26	2.615-2.635	2.115-2.135	.562	2.98
AS3087-27	2.678-2.698	2.178-2.198	.562	3.06
AS3087-28	2.740-2.760	2.240-2.260	.562	3.13
AS3087-29	2.802-2.822	2.302-2.322	.562	3.20
AS3087-30	2.865-2.885	2.365-2.385	.562	3.27
AS3087-31	2.990-3.010	2.490-2.510	.562	3.42
AS3087-32	3.115-3.135	2.615-2.635	.562	3.56
AS3087-33	3.240-3.260	2.740-2.760	.562	3.70
AS3087-34	3.365-3.385	2.865-2.885	.562	3.85
AS3087-35	3.490-3.510	2.990-3.010	.562	3.99

/a/ DIMENSION "B" FOR -.05 AND -.07 MEETS REQUIREMENTS OF AND20000 AND AS20005.

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 (COMPOSITION SIMILAR TO UNS G87400).
KEY - CORROSION RESISTANT STEEL PER AMS5688 (COMPOSITION SIMILAR TO UNS S30500).
- HARDNESS: STUD - 26-32 HRC.
KEY - AS RECEIVED.
- FINISH: STUD - CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING.
KEY - NONE.
- PROCUREMENT SPECIFICATION: AS7452. REQUIREMENTS RELATED TO BOLT HEADS ARE NOT APPLICABLE.
- MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M.
- THE INSTALLED STUD SHALL HAVE A MINIMUM RESISTANCE TO TORQUE OUT OF 90 LBF-IN.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION ON CONTAINER.
- DIMENSIONING AND TOLERANCING: ASME Y14.5-2018.
- DIMENSIONS ARE IN INCHES.

	AEROSPACE STANDARD	AS3087™ SHEET 2 OF 3	REV. C
	STUD - STRAIGHT, KEY LOCKED, CADMIUM PLATED, STEEL, UNS G87400 .2500-28 UNJF-3A X .2500-28 UNJF-3A		