

REV.
B

AS3087™

RATIONALE

REVISE THREAD TO THREAD AND THREAD TO SHANK POSITIONAL TOLERANCES, RELOCATE KEY DIMENSIONS FOR CLARITY. FIGURE 1 REDRAWN AND GENERAL EDITORIAL UPDATE.

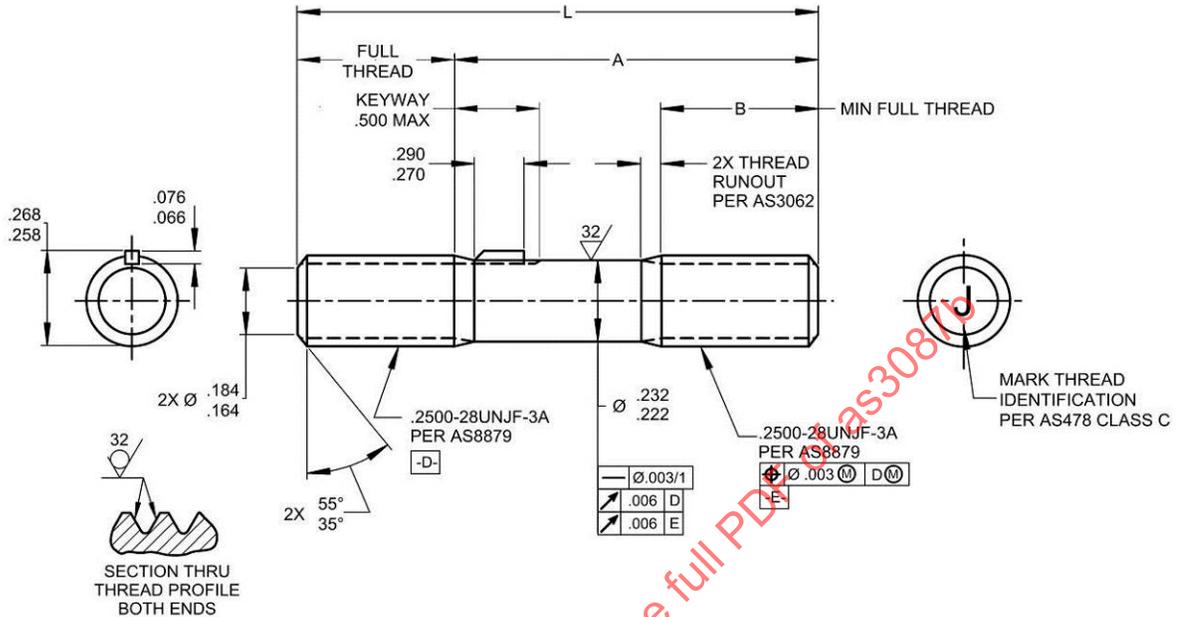


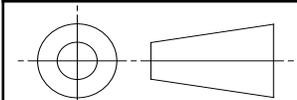
FIGURE 1 - STUD

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 |

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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

REV.
B

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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 & -07 MEETS REQUIREMENTS OF AND20000, 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 (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.
- 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 PER ANSI Y14.5M-1982 (ASME PUBLICATION).

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