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REV.  
D

AS151701™ THRU  
AS152000™

FEDERAL SUPPLY CLASS  
5307

## RATIONALE

REDRAW FIGURE TO ASME Y14.5-2018 STANDARD, ADD USAGE NOTE, UPDATE SPECS.

## NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD AN151701 THRU AN152000 REVISION 4. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL'S) MAY CONTINUE TO BE MANDATORY FOR DoD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

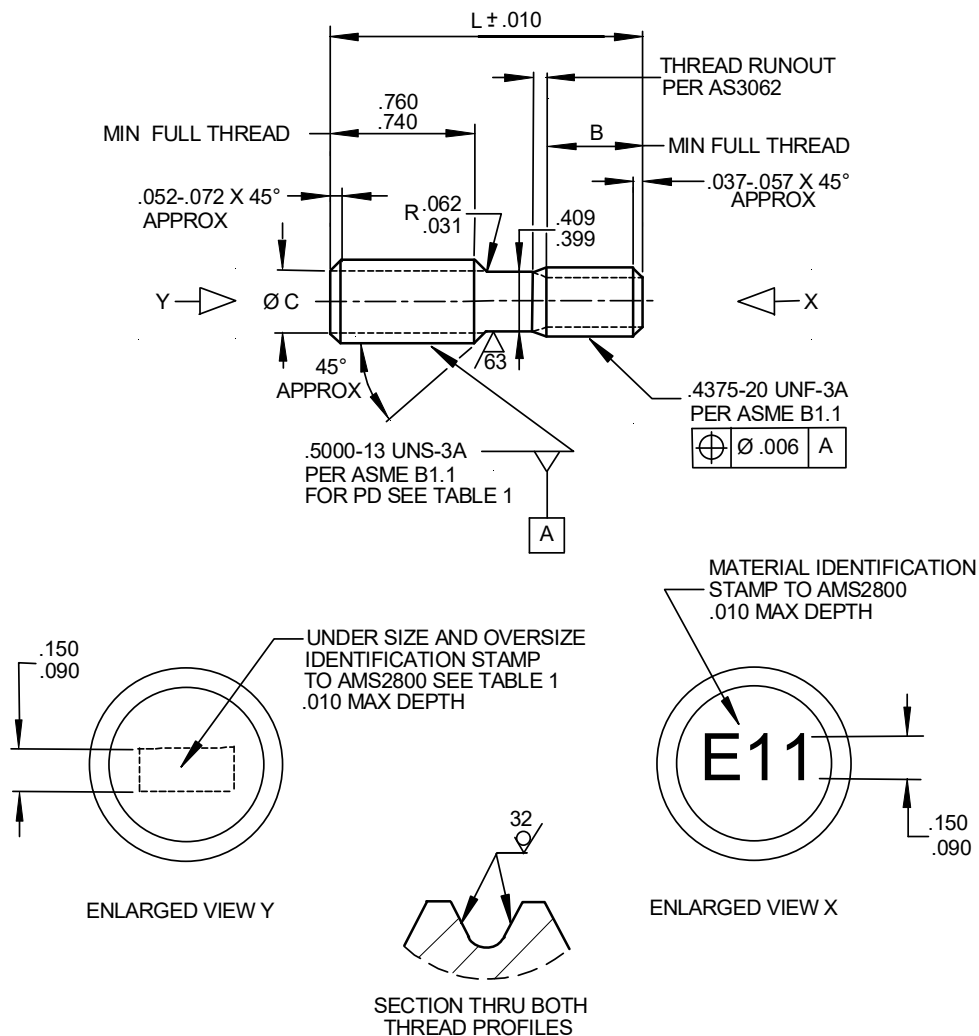
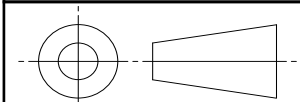


FIGURE 1 - STUD

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS151701D/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7456



### AEROSPACE STANDARD

STUD, STEPPED, 1.5 DIA ENGAGEMENT,  
CADMIUM PLATED, STEEL UNS G87400,  
.5000-13 UNS X .4375-20 UNF-3A

AS151701™ THRU  
AS152000™  
SHEET 1 OF 2

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D

Documents

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**TABLE 1 - PART NUMBERS AND DIMENSIONS**

| UNDERSIZE AND OVERSIZE IDENTIFICATION |      | -.003                                                                             | STANDARD                                                                          | +.003                                                                             | +.006                                                                               | +.009                                                                               | +.012                                                                               |
|---------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                       |      |  |  |  |  |  |  |
| C                                     |      | .495- .500                                                                        | .495- .500                                                                        | .495- .500                                                                        | .495- .500                                                                          | .504- .509                                                                          | .504- .509                                                                          |
| PD BEFORE PLATING                     |      | .4518-.4528                                                                       | .4548-.4558                                                                       | .4578-.4588                                                                       | .4608-.4618                                                                         | .4638-.4648                                                                         | .4668-.4678                                                                         |
| PD AFTER PLATING                      |      | .4523-.4538                                                                       | .4553-.4568                                                                       | .4583-.4598                                                                       | .4613-.4628                                                                         | .4643-.4658                                                                         | .4673-.4688                                                                         |
| PD LEAD THREAD                        |      | .4450-.4470                                                                       | .4480-.4500                                                                       | .4510-.4530                                                                       | .4540-.4560                                                                         | .4570-.4590                                                                         | .4600-.4620                                                                         |
| L                                     | B    | PART NUMBER                                                                       | PART NUMBER                                                                       | PART NUMBER                                                                       | PART NUMBER                                                                         | PART NUMBER                                                                         | PART NUMBER                                                                         |
| 1.500                                 | .625 | AN151719                                                                          | AN151720                                                                          | AN151721                                                                          | AN151722                                                                            | AN151723                                                                            | AN151724                                                                            |
| 1.562                                 | .688 | AN151725                                                                          | AN151726                                                                          | AN151727                                                                          | AN151728                                                                            | AN151729                                                                            | AN151730                                                                            |
| 1.625                                 | .750 | AN151731                                                                          | AN151732                                                                          | AN151733                                                                          | AN151734                                                                            | AN151735                                                                            | AN151736                                                                            |
| 1.688                                 | .750 | AN151737                                                                          | AN151738                                                                          | AN151739                                                                          | AN151740                                                                            | AN151741                                                                            | AN151742                                                                            |
| 1.938                                 | .938 | AN151743                                                                          | AN151744                                                                          | AN151745                                                                          | AN151746                                                                            | AN151747                                                                            | AN151748                                                                            |

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.

1. MATERIAL: STEEL AMS6322 (COMPOSITION SIMILAR TO UNS G87400).
2. PROCUREMENT SPECIFICATION: AS7456.
3. FINISH: CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING, EXCEPT WHERE SHOWN.
4. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M AFTER PLATING.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
6. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
8. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS  $\pm 0.010$ .
9. SCREW THREADS PER ASME B1.1 AND ACCEPTABILITY REQUIREMENTS PER ASME B1.3, SYSTEM 22.
10. DO NOT USE UNASSIGNED PART NUMBERS.
11. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
12. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

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 ASME IS AN AMERICAN SOCIETY OF MECHANICAL ENGINEERS PUBLICATION.  
 ASTM IS AN ASTM INTERNATIONAL PUBLICATION.

|                                                                                     |                                                                                                           |                                                     |                   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------|
|  | <b>AEROSPACE STANDARD</b>                                                                                 | <b>AS151701™ THRU<br/>AS152000™</b><br>SHEET 2 OF 2 | <b>REV.<br/>D</b> |
|                                                                                     | STUD, STEPPED, 1.5 DIA ENGAGEMENT,<br>CADMIUM PLATED, STEEL UNS G87400,<br>.5000-13 UNS X .4375-20 UNF-3A |                                                     |                   |



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