

REV.
B

SAE AS150501
THRU AS150800

FEDERAL SUPPLY CLASS
5307

RATIONALE

REVISE MARKING IDENTIFICATION TO MAKE USE OF "+" SYMBOL ON OVERSIZE STUDS OPTIONAL.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN FROM U.S. MILITARY STANDARD AN150501 THRU AN150800 REVISION 3, NOTICE 2. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) 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.

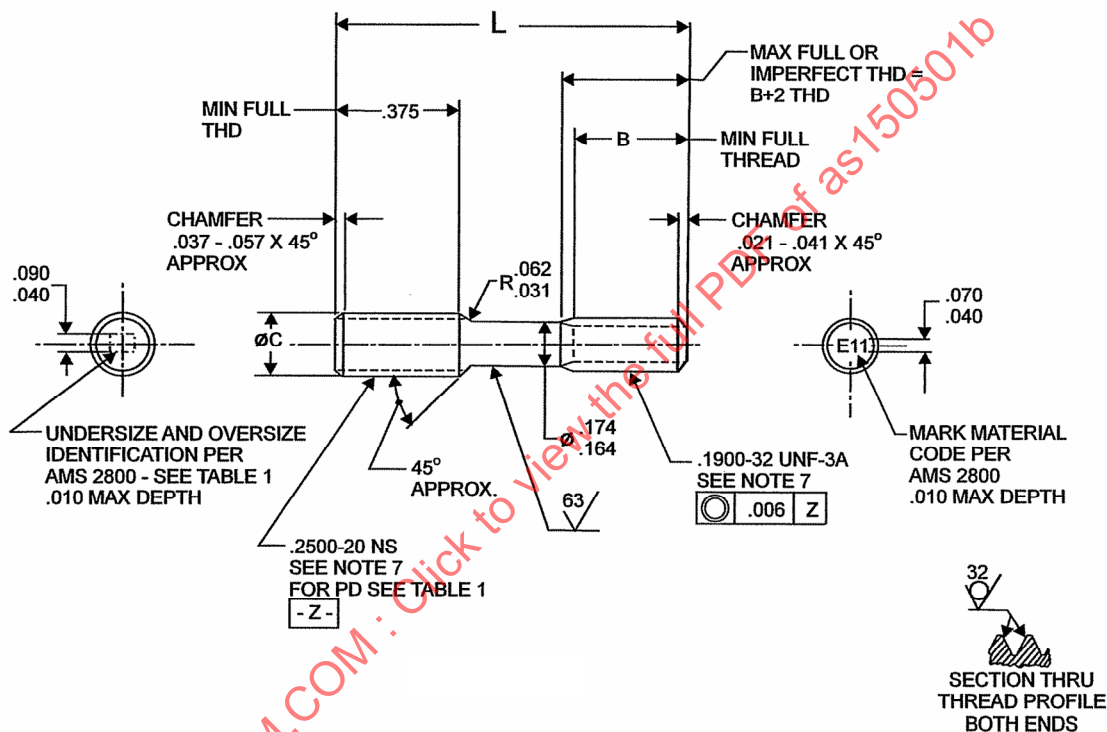


FIGURE 1 - STUD

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS150501B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

STUD, STEPPED. 1.5 DIA ENGAGEMENT,
CADMIUM PLATED, STEEL UNS G87400,
.2500-20 UNS X .1900-32 UNF-3A

SAE AS150501
THRU AS150800
SHEET 1 OF 3

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ISSUED 1999-12 REVISED 2012-04

TABLE 1 – PART NUMBERS AND DIMENSIONS

UNDERSIZE AND OVERSIZE IDENTIFICATION		-.003	STANDARD	+.003	+.006	+.009	+.012
				 (1)	 (1)	 (1)	 (1)
C PD BEFORE PLATING PD AFTER PLATING PD LEAD THREAD		.245-.250 .2183-.2193 .2188-.2203 .2125-.2145	.245-.250 .2213-.2223 .2218-.2233 .2155-.2175	.245-.250 .2243-.2250 .2248-.2263 .2185-.2175	.245-.250 .2273-.2283 .2278-.2293 .2215-.2235	.254-.259 .2303-.2313 .2308-.2323 .2245-.2265	.254-.259 .2333-.2343 .2338-.2353 .2275-.2295
L	B	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
.875 .938 1.000	.375 .438 .500	AN150519 AN150525 AN150531	AN150520 AN150526 AN150532	AN150521 AN150527 AN150533	AN150522 AN150528 AN150534	AN150523 AN150529 AN150535	AN150524 AN150530 AN150536
1.062 1.125 1.188	.500 .500 .500	AN150537 AN150543 AN150549	AN150538 AN150544 AN150550	AN150539 AN150545 AN150551	AN150540 AN150546 AN150552	AN150541 AN150547 AN150553	AN150542 AN150548 AN150554
1.250 1.312 1.375	.500 .500 .500	AN150555 AN150561 AN150567	AN150556 AN150562 AN150568	AN150557 AN150563 AN150569	AN150558 AN150564 AN150570	AN150559 AN150565 AN150571	AN150560 AN150566 AN150572
1.438 1.500 1.562	.500 .500 .500	AN150573 AN150579 AN150585	AN150574 AN150580 AN150586	AN150575 AN150581 AN150587	AN150576 AN150582 AN150588	AN150577 AN150583 AN150589	AN150578 AN150584 AN150590
1.625 1.688	.500 .500	AN150591 AN150597	AN150592 AN150598	AN150593 AN150599	AN150594 AN150600	AN150595 AN150601	AN150596 AN150602

(1) MARKING IDENTIFICATION FOR OVERSIZE PARTS MAY INCLUDE A PLUS SIGN ("+") BEFORE THE IDENTIFICATION NUMBER. FOR EXAMPLE, PARTS FOR +.006 OVERSIZE MAY BE MARKED "6" OR "+6".

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 (UNS G87400) AMS6320 MATERIAL MAY ALSO BE USED FOR PARTS UNTIL JANUARY 1, 1957.
2. PROCUREMENT SPECIFICATION: AS7456.
3. HARDNESS: 26-32 HRC
4. FINISH: CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING, EXCEPT WHERE SHOWN.
5. MAGNETIC PARTICLE INSPECTION TO ASTM E 1444.
6. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 μ m Ra.
7. SCREW THREADS PER MIL-S-7742.
8. TOLERANCES: LINEAR DIMENSIONS $\pm$.010.
9. BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

 An SAE International Group	AEROSPACE STANDARD		SAE AS150501 THRU AS150800 SHEET 2 OF 3	REV. B
	STUD, STEPPED. 1.5 DIA ENGAGEMENT, CADMIUM PLATED, STEEL UNS G87400, .2500-20 UNS X .1900-32 UNF-3A			