

**SAE AS25189**

FEDERAL SUPPLY CLASS  
5940

# NOTICE

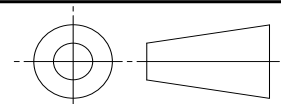
THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS25189(ASG), NOTICE 2 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS25189(ASG), NOTICE 2. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

SAENORM.COM : Click to view the full PDF of as25189

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS7928

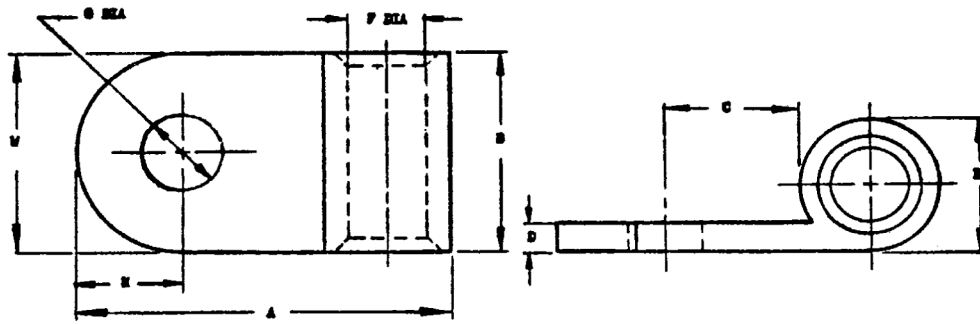
**SAE Aerospace**  
An SAE International Group

## AEROSPACE STANDARD

TERMINAL, LUG, FLAG TYPE,  
CRIMP STYLE, COPPER, CLASS I

**SAE AS25189**  
SHEET 1 OF 3

ISSUED 2008-07



| DASH NO. | CABLE SIZE | STUD SIZE | A MAX | B MIN | C MIN | D    |      | E    |      | F    |      | G    |      | H MAX | W    |       |
|----------|------------|-----------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|------|-------|
|          |            |           |       |       |       | MIN  | MAX  | MIN  | MAX  | MIN  | MAX  | MIN  | MAX  |       | MIN  | MAX   |
| 101      | 8          | A         |       |       |       |      |      |      |      |      |      | .168 | .176 | .258  |      |       |
| 102      |            | 10        | 1.064 |       | .250  |      |      |      |      |      |      | .193 | .203 |       | .484 | .516  |
| 103      |            | 1/4       |       |       | .330  | .059 | .069 | .300 | .330 | .176 | .197 | .260 | .285 | .266  |      |       |
| 104      |            | 5/16      | 1.125 |       | .398  |      |      |      |      |      |      | .320 | .343 | .308  |      |       |
| 105      |            | 3/8       | 1.390 |       | .453  |      |      |      |      |      |      | .385 | .410 | .453  | .734 | .766  |
| 106      |            | 1/2       |       |       |       |      |      |      |      |      |      | .510 | .535 |       |      |       |
| 107      | 6          | 10        | 1.118 |       | .290  |      |      |      |      |      |      | .193 | .203 | .281  |      |       |
| 108      |            | 1/4       |       |       | .330  |      |      |      |      |      |      | .260 | .285 |       | .484 | .516  |
| 109      |            | 5/16      | 1.187 | .470  | .398  | .059 | .069 | .344 | .377 | .222 | .244 | .320 | .343 | .318  |      |       |
| 110      |            | 3/8       | 1.432 |       | .530  |      |      |      |      |      |      | .385 | .410 |       | .734 | .766  |
| 111      |            | 1/2       | 1.453 |       | .540  |      |      |      |      |      |      | .510 | .535 | .453  |      |       |
| 112      |            | 10        |       |       |       |      |      |      |      |      |      | .193 | .203 |       |      |       |
| 113      | 4          | 1/4       | 1.290 |       | .330  |      |      |      |      |      |      | .260 | .285 | .328  | .531 | .585  |
| 114      |            | 5/16      |       |       | .408  | .069 | .084 | .433 | .471 | .281 | .303 | .320 | .343 | .344  | .547 | .600  |
| 115      |            | 3/8       |       |       | .429  |      |      |      |      |      |      | .385 | .410 |       |      |       |
| 116      |            | 1/2       | 1.562 |       | .540  |      |      |      |      |      |      | .510 | .535 | .453  | .734 | .766  |
| 117      | 2          | 10        |       |       | .300  |      |      |      |      |      |      | .193 | .203 |       |      |       |
| 118      |            | 1/4       | 1.389 |       |       |      |      |      |      |      |      | .260 | .285 |       | .360 | .609  |
| 119      |            | 5/16      |       |       | .408  |      |      |      |      |      |      | .320 | .343 |       |      | .650  |
| 120      |            | 3/8       |       | .600  | .445  | .069 | .084 | .511 | .545 | .355 | .377 | .385 | .410 |       |      |       |
| 121      |            | 7/16      | 1.562 |       | .531  |      |      |      |      |      |      | .443 | .473 | .453  | .734 | .766  |
| 122      |            | 1/2       | 1.593 |       |       |      |      |      |      |      |      | .510 | .535 |       |      |       |
| 123      | 1          | 1/4       | 1.438 |       | .360  |      |      |      |      |      |      | .260 | .285 |       |      |       |
| 124      |            | 5/16      |       |       | .408  |      |      |      |      |      |      | .320 | .343 | .333  | .609 | .650  |
| 125      |            | 3/8       | 1.463 |       | .445  | .080 | .100 | .566 | .600 | .390 | .412 | .385 | .410 |       |      |       |
| 126      |            | 7/16      | 1.639 |       | .539  |      |      |      |      |      |      | .443 | .473 | .460  | .734 | .766  |
| 127      |            | 1/2       | 1.776 |       |       |      |      |      |      |      |      | .510 | .535 |       |      |       |
| 128      |            | 10        |       |       |       |      |      |      |      |      |      | .193 | .203 |       |      |       |
| 129      | 0          | 1/4       |       |       | .408  |      |      |      |      |      |      | .260 | .285 |       |      |       |
| 130      |            | 5/16      |       |       | .445  |      |      |      |      |      |      | .320 | .343 | .443  |      |       |
| 131      |            | 3/8       | 1.733 | .665  | .445  | .090 | .105 | .638 | .672 | .440 | .462 | .385 | .410 |       | .740 | .765  |
| 132      |            | 7/16      |       |       | .539  |      |      |      |      |      |      | .443 | .473 | .460  |      |       |
| 133      | 00         | 1/2       |       |       |       |      |      |      |      |      |      | .510 | .535 |       |      |       |
| 134      |            | 10        |       |       | .408  |      |      |      |      |      |      | .260 | .285 |       |      |       |
| 135      |            | 1/4       |       |       |       |      |      |      |      |      |      | .320 | .343 |       |      |       |
| 136      |            | 5/16      | 1.844 | .780  | .445  | .113 | .128 | .746 | .780 | .502 | .524 | .385 | .410 | .471  | .792 | .835  |
| 137      |            | 3/8       |       |       |       |      |      |      |      |      |      | .443 | .473 |       |      |       |
| 138      |            | 7/16      |       |       |       |      |      |      |      |      |      | .510 | .535 |       |      |       |
| 139      | 000        | 1/2       |       |       | .455  |      |      |      |      |      |      | .320 | .343 |       |      |       |
| 140      |            | 5/16      |       |       | .455  |      |      |      |      |      |      | .385 | .410 | .536  | .800 | .825  |
| 141      |            | 3/8       | 2.000 | .805  | .539  | .113 | .128 | .800 | .834 | .557 | .579 | .443 | .473 |       |      |       |
| 142      |            | 7/16      |       |       |       |      |      |      |      |      |      | .510 | .535 |       |      |       |
| 143      | 0000       | 10        |       |       |       |      |      |      |      |      |      | .193 | .203 |       |      |       |
| 144      |            | 1/4       |       |       | .408  |      |      |      |      |      |      | .260 | .285 |       |      |       |
| 145      |            | 5/16      | 2.127 | .984  | .455  | .116 | .131 | .866 | .906 | .622 | .644 | .385 | .410 | .568  | .984 | 1.135 |
| 146      |            | 3/8       |       |       | .455  |      |      |      |      |      |      | .443 | .473 |       |      |       |
| 147      |            | 7/16      |       |       | .939  |      |      |      |      |      |      | .510 | .535 |       |      |       |
| 148      |            | 1/2       |       |       | .670  |      |      |      |      |      |      | .646 | .666 |       |      |       |
| 149      |            | 10        | 3.500 |       | 1.500 |      |      |      |      |      |      | .890 | .937 |       |      |       |

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.