

## RATIONALE

REINSTATED TOLERANCES TO THICKNESS DIMENSIONS (T) LISTED IN TABLE 2, CORRECTED TYPOGRAPHICAL ERROR FOR -37 "D" DIMENSION, ADDED DEFAULT ANGULARITY TOLERANCE, ADDED MARKING METHODS 2D1 OR 2E1 AS OPTIONS, SPECIFIED TYPE 6 AND TYPE 7 FOR PASSIVATION, INCLUDED REQUIREMENT TO FORM ALUMINUM IN ANNEALED CONDITION, AND UPDATED SPECIFICATION REFERENCES.

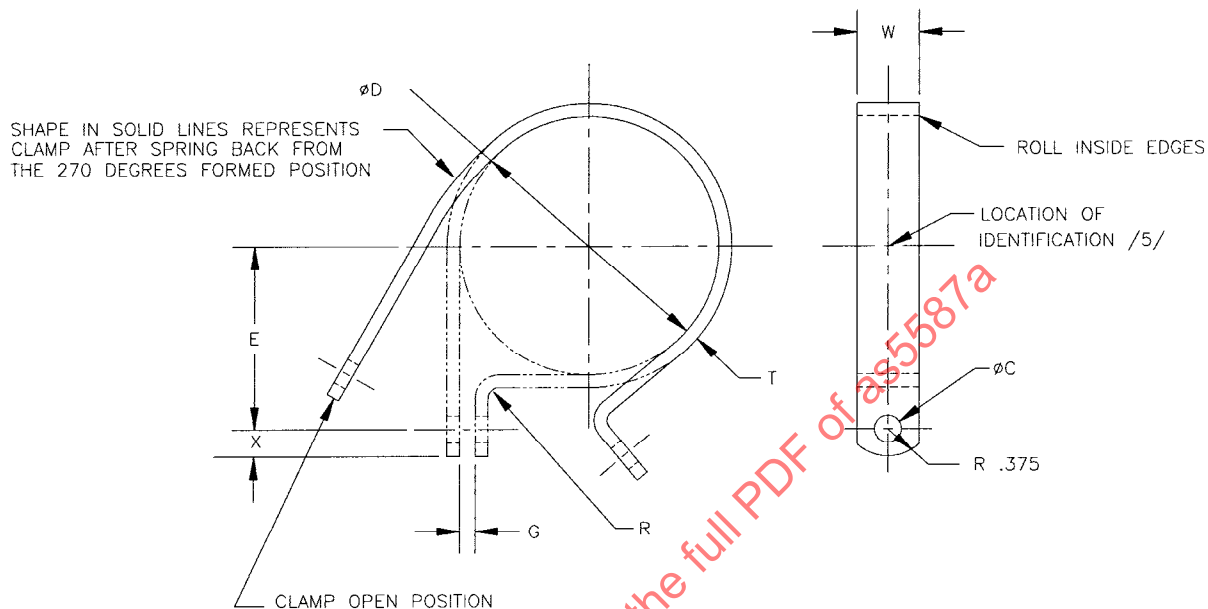
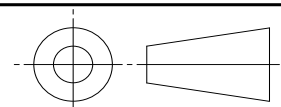


FIGURE 1. CLAMP

TABLE 1. DIMENSIONS

| SIZE CODE<br>RANGE<br>/10/ | G<br>MIN | G<br>MAX | R    | AL ALLOY<br>W<br>±.015 | AL ALLOY<br>C<br>±.005 | CRES<br>W<br>±.015 | CRES<br>C<br>±.005 | X<br>±.015 |
|----------------------------|----------|----------|------|------------------------|------------------------|--------------------|--------------------|------------|
| 02 - 10                    | .062     | .078     | .062 | .500                   | .218                   | .375               | .204               | .188       |
| 11 - 19                    | .062     | .078     | .109 | .500                   | .218                   | .500               | .218               | .218       |
| 20 - 32                    | .094     | .125     | .125 | .500                   | .218                   | .500               | .218               | .218       |
| 33 - 66                    | .125     | .156     | .125 | .500                   | .218                   | .500               | .218               | .218       |

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3E

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
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## AEROSPACE STANDARD

CLAMP, LOOP, PLAIN, SUPPORT, AIRCRAFT

**SAE** AS5587A  
SHEET 1 OF 3

TABLE 2 - DIMENSIONS AND SIZE CODE

| SIZE CODE<br>/10/ | TUBE DIA<br>OD (REF) | D     | AL ALLOY<br>E | CRES<br>E | AL ALLOY<br>T | CRES<br>T   |
|-------------------|----------------------|-------|---------------|-----------|---------------|-------------|
| 02                | .125                 | .125  | .360          | .360      | .030 - .035   | .017 - .023 |
| 03                | .188                 | .188  | .423          | .423      | .030 - .035   | .017 - .023 |
| 04                | .250                 | .250  | .457          | .457      | .030 - .035   | .017 - .023 |
| 05                | .313                 | .313  | .498          | .498      | .030 - .035   | .017 - .023 |
| 06                | .375                 | .375  | .529          | .529      | .030 - .035   | .017 - .023 |
| 07                | .438                 | .438  | .560          | .560      | .030 - .035   | .017 - .023 |
| 08                | .500                 | .500  | .592          | .592      | .030 - .035   | .017 - .023 |
| 09                | .563                 | .563  | .623          | .623      | .030 - .035   | .017 - .023 |
| 10                | .625                 | .625  | .654          | .654      | .030 - .035   | .017 - .023 |
| 11                | .688                 | .688  | .752          | .749      | .046 - .054   | .028 - .036 |
| 12                | .750                 | .750  | .783          | .780      | .046 - .054   | .028 - .036 |
| 13                | .813                 | .813  | .814          | .811      | .046 - .054   | .028 - .036 |
| 14                | .875                 | .875  | .845          | .842      | .046 - .054   | .028 - .036 |
| 15                | .938                 | .938  | .877          | .858      | .046 - .054   | .028 - .036 |
| 16                | 1.000                | 1.000 | .908          | .889      | .046 - .054   | .028 - .036 |
| 17                | 1.063                | 1.063 | .939          | .920      | .046 - .054   | .028 - .036 |
| 18                | 1.125                | 1.125 | .970          | .951      | .046 - .054   | .028 - .036 |
| 19                | 1.188                | 1.188 | 1.002         | .983      | .046 - .054   | .028 - .036 |
| 20                | 1.250                | 1.250 | 1.062         | 1.030     | .058 - .068   | .028 - .036 |
| 21                | 1.313                | 1.313 | 1.093         | 1.061     | .058 - .068   | .028 - .036 |
| 22                | 1.375                | 1.375 | 1.124         | 1.092     | .058 - .068   | .028 - .036 |
| 23                | 1.438                | 1.438 | 1.156         | 1.124     | .058 - .068   | .028 - .036 |
| 24                | 1.500                | 1.500 | 1.187         | 1.155     | .058 - .068   | .028 - .036 |
| 25                | 1.563                | 1.563 | 1.218         | 1.186     | .058 - .068   | .028 - .036 |
| 26                | 1.625                | 1.625 | 1.249         | 1.217     | .058 - .068   | .028 - .036 |
| 27                | 1.688                | 1.688 | 1.281         | 1.249     | .058 - .068   | .028 - .036 |
| 28                | 1.750                | 1.750 | 1.312         | 1.280     | .058 - .068   | .028 - .036 |
| 29                | 1.812                | 1.812 | 1.344         | 1.312     | .058 - .068   | .028 - .036 |
| 30                | 1.875                | 1.875 | 1.374         | 1.342     | .058 - .068   | .028 - .036 |
| 31                | 1.938                | 1.938 | 1.406         | 1.374     | .058 - .068   | .028 - .036 |
| 32                | 2.000                | 2.000 | 1.437         | 1.405     | .058 - .068   | .028 - .036 |
| 33                | 2.062                | 2.062 | 1.468         | 1.444     | .058 - .068   | .036 - .044 |
| 34                | 2.125                | 2.125 | 1.499         | 1.475     | .058 - .068   | .036 - .044 |
| 35                | 2.188                | 2.188 | 1.531         | 1.507     | .058 - .068   | .036 - .044 |
| 36                | 2.250                | 2.250 | 1.562         | 1.538     | .058 - .068   | .036 - .044 |
| 37                | 2.312                | 2.312 | 1.594         | 1.570     | .058 - .068   | .036 - .044 |
| 38                | 2.375                | 2.375 | 1.624         | 1.600     | .058 - .068   | .036 - .044 |
| 40                | 2.500                | 2.500 | 1.687         | 1.663     | .058 - .068   | .036 - .044 |
| 42                | 2.625                | 2.625 | 1.752         | 1.728     | .058 - .068   | .036 - .044 |
| 43                | 2.680                | 2.680 | 1.778         | 1.754     | .058 - .068   | .036 - .044 |
| 44                | 2.750                | 2.750 | 1.812         | 1.788     | .058 - .068   | .036 - .044 |
| 45                | 2.812                | 2.812 | 1.844         | 1.820     | .058 - .068   | .036 - .044 |
| 46                | 2.875                | 2.875 | 1.875         | 1.851     | .058 - .068   | .036 - .044 |
| 48                | 3.000                | 3.000 | 1.937         | 1.913     | .058 - .068   | .036 - .044 |
| 50                | 3.125                | 3.125 | 2.000         | 1.976     | .058 - .068   | .036 - .044 |
| 52                | 3.250                | 3.250 | 2.062         | 2.038     | .058 - .068   | .036 - .044 |
| 54                | 3.375                | 3.375 | 2.125         | 2.101     | .058 - .068   | .036 - .044 |
| 56                | 3.500                | 3.500 | 2.187         | 2.163     | .058 - .068   | .036 - .044 |
| 58                | 3.625                | 3.625 | 2.250         | 2.226     | .058 - .068   | .036 - .044 |
| 64                | 4.000                | 4.000 | 2.437         | 2.413     | .058 - .068   | .036 - .044 |
| 66                | 4.125                | 4.125 | 2.500         | 2.476     | .058 - .068   | .036 - .044 |