

FED.SUPPLY CLASS

5320

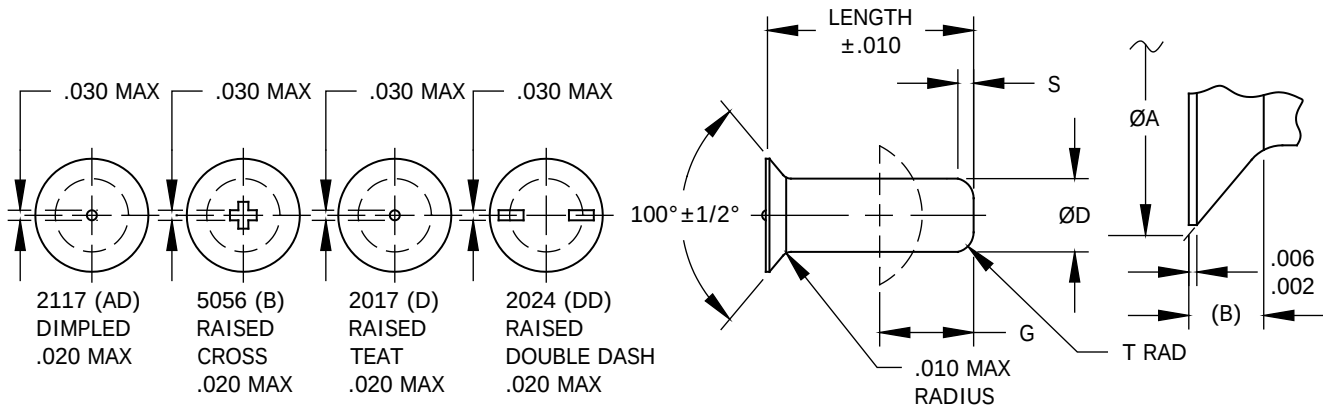


TABLE I – RIVET DIMENSIONS

| NOM DIA | NOM REPAIR DIA | $\varnothing A$<br>$\pm .004$ | (B)  | $\varnothing D$<br>$+ .003$<br>$- .001$ | G    | S<br>$\pm .010$ | T RAD<br>$\pm .010$ |
|---------|----------------|-------------------------------|------|-----------------------------------------|------|-----------------|---------------------|
| .094    | .109           | .179                          | .029 | .109                                    | .141 | .023            | .029                |
| .125    | .141           | .225                          | .035 | .141                                    | .188 | .031            | .039                |
| .156    | .172           | .286                          | .048 | .172                                    | .234 | .039            | .049                |
| .188    | .219           | .353                          | .056 | .219                                    | .281 | .047            | .059                |
| .250    | .281           | .476                          | .082 | .281                                    | .375 | .062            | .078                |
| .313    | .344           | .564                          | .092 | .344                                    | .469 | .078            | .098                |
| .375    | .406           | .694                          | .122 | .406                                    | .562 | .094            | .117                |

TABLE II – LENGTHS AND DASH NUMBERS

| DIA. | .125 | .188 | .250 | .312 | .375 | .438 | .500 | .562 | .625  | .750  | .875  | 1.000 | 1.125 | 1.250 | 1.375 | 1.500 | 1.750 | 2.000 | 2.500 | 3.000 |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .109 | 3-2  | 3-3  | 3-4  | 3-5  | 3-6  | 3-7  | 3-8  | 3-9  | 3-10  | 3-12  | 3-14  | 3-16  | 3-18  | 3-20  | 3-22  | 3-24  |       |       |       |       |
| .141 |      | 4-3  | 4-4  | 4-5  | 4-6  | 4-7  | 4-8  | 4-9  | 4-10  | 4-12  | 4-14  | 4-16  | 4-18  | 4-20  | 4-22  | 4-24  | 4-28  |       |       |       |
| .172 |      |      | 5-4  | 5-5  | 5-6  | 5-7  | 5-8  | 5-9  | 5-10  | 5-12  | 5-14  | 5-16  | 5-18  | 5-20  | 5-22  | 5-24  | 5-28  | 5-32  |       |       |
| .219 |      |      |      | 6-5  | 6-6  | 6-7  | 6-8  | 6-9  | 6-10  | 6-12  | 6-14  | 6-16  | 6-18  | 6-20  | 6-22  | 6-24  | 6-28  | 6-32  | 6-40  | 6-48  |
| .281 |      |      |      |      | 8-6  | 8-7  | 8-8  | 8-9  | 8-10  | 8-12  | 8-14  | 8-16  | 8-18  | 8-20  | 8-22  | 8-24  | 8-28  | 8-32  | 8-40  | 8-48  |
| .344 |      |      |      |      |      | 10-7 | 10-8 | 10-9 | 10-10 | 10-12 | 10-14 | 10-16 | 10-18 | 10-20 | 10-22 | 10-24 | 10-28 | 10-32 | 10-40 | 10-48 |
| .406 |      |      |      |      |      |      | 12-8 | 12-9 | 12-10 | 12-12 | 12-14 | 12-16 | 12-18 | 12-20 | 12-22 | 12-24 | 12-28 | 12-32 | 12-40 | 12-48 |

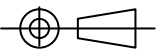
MATERIAL:

ALUMINUM ALLOYS 2117-T4 (UNS A92117), 5056-H32 (UNS A95056), 2017-T4 (UNS A92017), 2024-T4 (UNS A92024) PER PROCUREMENT SPECIFICATION.

FINISH:

SEE PROCUREMENT SPECIFICATION .

THIRD ANGLE PROJECTION



CUSTODIAN  
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

3

PROCUREMENT SPECIFICATION

NASM5674

TITLE

**RIVET, SOLID, 100° FLUSH HEAD,  
ALUMINUM ALLOY, MS20426 REPAIR**

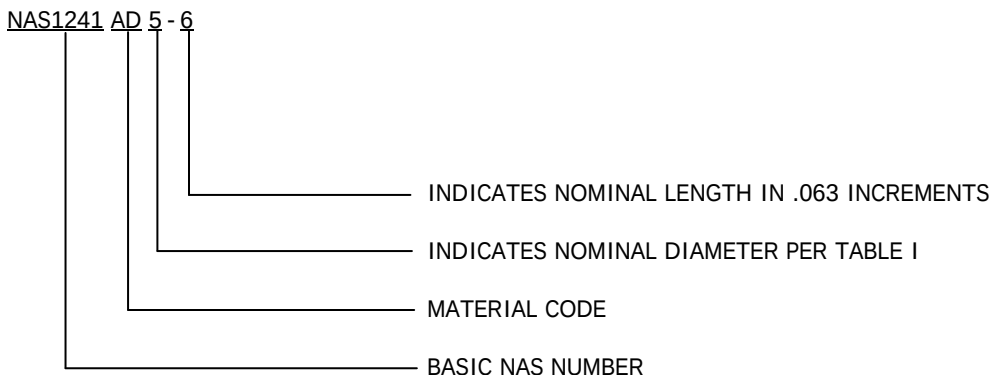
CLASSIFICATION  
PART STANDARD

**NAS1241**  
SHEET 1 OF 2  
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CODE:

- MATERIAL - "AD" BEFORE DASH NUMBER DESIGNATES 2117-T4 ALUMINUM ALLOY  
 - "B" BEFORE DASH NUMBER DESIGNATES 5056-H32 ALUMINUM ALLOY  
 - "D" BEFORE DASH NUMBER DESIGNATES 2017-T4 ALUMINUM ALLOY  
 - "DD" BEFORE DASH NUMBER DESIGNATES 2024-T4 ALUMINUM ALLOY

EXAMPLE OF PART NUMBER:



- ③ NAS1241AD5-6 = ALUMINUM ALLOY 2117-T4 REPAIR RIVET, Ø.172, .375 LONG

NOTES:

- (1) .001 SHANK DIAMETER INCREASE PERMISSIBLE WITHIN .100 INCH OF BASE OF HEAD.
- (2) WHEN CHAMFERED ENDS ARE ORDERED, THEY SHALL BE AS SHOWN ON THE DRAWING. WHEN NOT SPECIFIED BY PURCHASE ORDER, PLAIN OR CHAMFERED ENDS MAY BE FURNISHED.
- (3) A PROFILE VIEW OF LAND AREA MAY VARY FROM A LINE PARALLEL WITH THE SHANK TO A CURVE THAT WILL FALL WITHIN THE LIMITS ALLOWED.
- (4) THE CONICAL SURFACE OF THE HEAD SHALL BE CONCENTRIC TO ØD .005 (FULL INDICATOR MOVEMENT).
- (5) HEAD COCKING ANGLE RELATIVE TO AXIS OF RIVET 1/2° MAX.
- (6) MAXIMUM ØA IS TO THEORETICAL SHARP CORNERS AS MEASURED BY PROJECTION.
- (7) "G" INDICATES APPROXIMATE LENGTH REQUIRED FOR SHOP FORMED HEAD.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- ③ (10) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (11) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- ③ (12) DIMENSIONS ARE IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.

REVISION

3

**Documents**

SHEET 2



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