

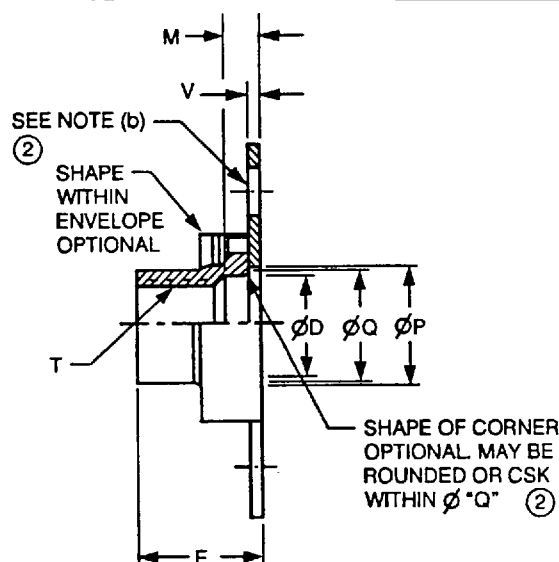
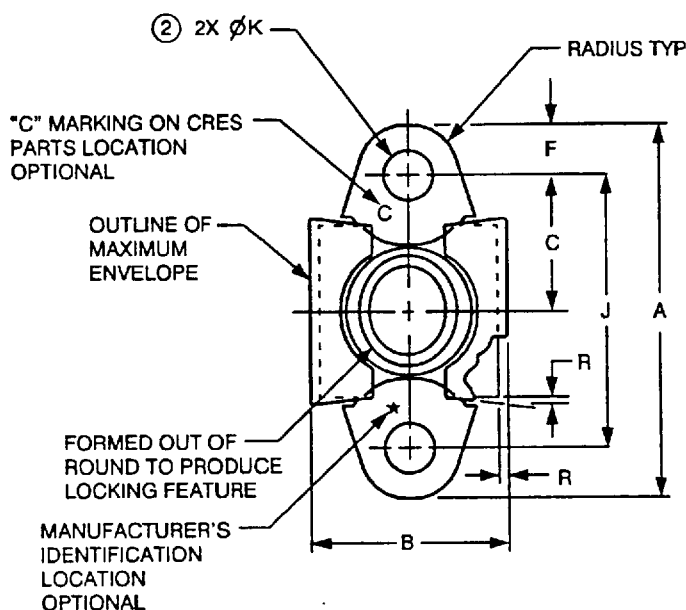


**Aerospace  
Industries  
Association**

# NATIONAL AEROSPACE STANDARD

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FED SUP CLASS  
5310



| DASH NUMBER                        |                                      |                          |                                         | T<br>THREAD<br>(a)<br><br>② | A<br>MAX | B<br>MAX | C<br>± 0.13<br>② | Ø D<br>C'BORE<br>MIN |
|------------------------------------|--------------------------------------|--------------------------|-----------------------------------------|-----------------------------|----------|----------|------------------|----------------------|
| NA0085 STEEL                       |                                      | NA0086 CRES              |                                         |                             |          |          |                  |                      |
| ②                                  |                                      |                          |                                         |                             |          |          |                  |                      |
| CAD +<br>MoS <sub>2</sub><br>235°C | CAD W/O<br>MoS <sub>2</sub><br>235°C | SILVER<br>PLATE<br>425°C | MoS <sub>2</sub> W/O<br>SILVER<br>235°C |                             |          |          |                  |                      |
| -040M                              | -040                                 | -040L                    | -040M                                   | MJ4 X 0.7 – 4H6H            | 17.2     | 11       | 6                | 4.4                  |
| -050M                              | -050                                 | -050L                    | -050M                                   | MJ5 X 0.8 – 4H6H            | 19.2     | 12       | 7                | 5.5                  |
| -060M                              | -060                                 | -060L                    | -060M                                   | MJ6 X 1 – 4H5H              | 21.2     | 13.5     | 8                | 6.5                  |

| T<br>THREAD<br>(a)<br>② | E<br>+ 0<br>- 0.8 | F<br>MIN | J<br>± 0.13<br>② | Ø K<br>+ 0.2<br>- 0 | M<br>C'BORE<br>MIN | Ø P<br>MAX | Ø Q<br>MAX | R<br>(f)<br>MIN<br>② | V<br>MAX |
|-------------------------|-------------------|----------|------------------|---------------------|--------------------|------------|------------|----------------------|----------|
| MJ4 X 0.7 - 4H6H        | 5.8               | 2.6      | 12               | 2.5                 | 2.2                | 6.3        | 5.5        | 0.5                  | 0.8      |
| MJ5 X 0.8 - 4H6H        | 6.9               | 2.6      | 14               | 2.5                 | 2.4                | 7.3        | 6.5        | 0.7                  | 0.8      |
| MJ6 X 1 - 4H5H          | 8.1               | 2.6      | 16               | 2.5                 | 2.7                | 8.7        | 7.5        | 0.7                  | 0.8      |

## LIST OF CURRENT SHEETS

| ② | SHT | REV |
|---|-----|-----|
|   | 1   | 2   |
|   | 2   | 1   |

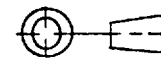
CUSTODIAN **NATIONAL AEROSPACE STANDARDS COMMITTEE**

PROCUREMENT  
SPECIFICATION

**NOTED**

TITLE  
**NUT, SELF-LOCKING, PLATE, FLOATING, TWO LUG  
REDUCED RIVET SPACING, LOW HEIGHT, C'BORED,  
1100 MPa, METRIC 235 DEG C, 425 DEG C**

THIRD  
ANGLE  
PROJECTION



CLASSIFICATION  
**STANDARD PART**

**NA0085 AND NA0086**  
SHEET 1 OF 2

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# NATIONAL AEROSPACE STANDARD

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## NOTES:

- (a) THREADS SHALL BE MJ FORM IN ACCORDANCE WITH FED-STD-H28/21. FOR ACCEPTABILITY SEE PROCUREMENT SPECIFICATION.
- (b) THE ASSEMBLY SHALL PROVIDE A BEARING SURFACE FOR THE NUT WITHIN THE HOUSING. THE NUT AND BASE PORTION OF THE ASSEMBLY SHALL FORM ONE INTEGRAL UNIT.
- (c) DIMENSIONS APPLY AFTER PLATING AND BEFORE LUBRICATION.
- (d) UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS.
- (e) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (f) INDICATES MINIMUM RADIAL FLOAT.
- (g) TOLERANCES:  $\pm 0.8$  UNLESS OTHERWISE SPECIFIED.

**MATERIAL:** STEEL - CARBON OR ALLOY STEEL HEAT TREATED 46 HRC MAXIMUM.  
CRES - A286 PER AMS 5525, AMS 5732, OR AMS 5737.  
MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD  
STRENGTH  $H = 16 \text{ kA/m}$  USING A MAGNETIC PERMEABILITY INDICATOR  
PER MIL-I-17214.

**FINISH:** STEEL - CADMIUM PLATE PER QQ-P-416, TYPE II OR TYPE III, CLASS 2.  
CRES - SILVER PLATE FOR 425 DEG C USE PER AMS2410 TO A  $5\mu\text{m}$  MINIMUM THICKNESS  
ON SURFACES WHICH CAN BE TOUCHED BY A 20 mm DIAMETER BALL. THREADS SHALL

## SHOW

COMPLETE COVERAGE, BUT THICKNESS REQUIREMENT ON THREADS IS WAIVED.

**LUBRICANT:** MOLY DISULFIDE SOLID FILM LUBRICANT ( $\text{MoS}_2$ ) PER MIL-L-46010, TYPE I;  $10 \mu\text{m}$   
MINIMUM THICKNESS.

- (1) **CODE:** NA0085 - "M" SUFFIXED TO DASH NUMBER INDICATES CADMIUM PLATE STEEL WITH  
SOLID FILM LUBRICANT.  
NO CODE INDICATES CADMIUM PLATE STEEL WITHOUT SOLID FILM  
LUBRICANT.  
NA0086 - "M" SUFFIXED TO DASH NUMBER INDICATES A286 CRES WITH SOLID FILM  
LUBRICANT.  
"L" SUFFIXED TO DASH NUMBER INDICATES SILVER PLATE A286 CRES.

## EXAMPLES OF PART NUMBERS:

### STEEL

NA0085-060M = MJ6X1 - 4H5H THREAD, PLAIN RIVET HOLES, CADMIUM PLATED WITH SOLID  
FILM LUBRICANT.

NA0085-060 = MJ6X1 - 4H5H THREAD, PLAIN RIVET HOLES, CADMIUM PLATED.

### CRES

NA0086-060L = MJ6X1 - 4H5H THREAD, PLAIN RIVET HOLES, SILVER PLATED.

NA0086-060M = MJ6X1 - 4H5H THREAD, PLAIN RIVET HOLES, SOLID FILM LUBRICATED.

**PROCUREMENT SPECIFICATION:** NA0085 - NA0009 CLASS II.  
NA0086 - NA0044 CLASS II.  
ALL PARTS MUST MEET QUALIFICATION AND INSPECTION  
REQUIREMENTS. MANUFACTURERS SHALL PROVIDE EVIDENCE  
OF QUALIFICATION WHEN REQUIRED. TESTING SHALL BE  
PERFORMED BY MANUFACTURER OR INDEPENDENT  
LABORATORY. PROCURING AGENCY MAY CONDUCT  
CONFIRMING QUALIFICATION TESTS. NO QPL SHALL BE  
ESTABLISHED.

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WASHINGTON, D.C. 20005

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APPROVAL DATE JUNE 1990 REVISION (1) 22 OCTOBER 1993

NA0085 AND NA0086  
SHEET 2

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