



## NATIONAL AEROSPACE STANDARD

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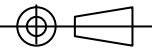
FED. SUPPLY CLASS

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THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME  
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST  
REVISION DATE.

ISSUE DATE: MARCH 1967 REVISION DATE: OCTOBER 31, 2012

|                                                                                                                     |                                                                                  |                                                                            |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| THIRD<br>ANGLE<br>PROJECTION<br> | CUSTODIAN<br><br>ENGINEERING MANAGEMENT COMMITTEE                                | REVISION<br><br><b>3</b>                                                   |
| PROCUREMENT<br>SPECIFICATION<br><br>NONE                                                                            | TITLE<br><br><b>CLOSE TOLERANCE CYLINDRICAL HARDWARE ITEMS,<br/>PACKAGING OF</b> | CLASSIFICATION<br>PACKAGING STANDARD<br><br><b>NAS3433</b><br>SHEET 1 OF 2 |



# NATIONAL AEROSPACE STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., 1725 DE SALES STREET, N. W., WASHINGTON, D. C. 20036

AIA AND ITS COMMITTEES WILL NOT INVESTIGATE THE APPLICABILITY OF THIS STANDARD TO THE SUBJECT MATTER OF NAS STANDARDS AND IN RESPECT THEREOF DO NOT ASSUME ANY LIABILITY TO PATENT OWNERS OR TO PROSPECTIVE USERS

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST DATE OF APPROVAL SHOWN HEREON

1.0 **SCOPE** This standard provides a method for the packaging of close tolerance corrosive resistant cylindrical hardware items (e.g., pins, bolts, rivets, etc.).

## 2.0 REFERENCES

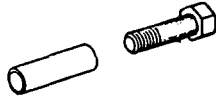
2.1 General Packaging Standard NAS 850.

## 3.0 REQUIREMENTS

### 3.1 GENERAL

3.1.1 Requirements of General Packaging Standard NAS 850 are a part of this standard except as noted herein.

### 3.2 UNIT PACKAGING



3.2.1 The quantity per unit package shall be as follows unless otherwise specified by the procurement document:

Multiples of five (5) not to exceed one hundred (100).

3.2.2 The critical surface of each item shall be protected with a plastic fiber sleeve or devices held in place or enclosed in a strippable compound.

3.2.3 Place items into a flexible bag, snug fitting containers (e.g., fiberboard, set-up, folding, plastic, etc.) with dunnage as required to protect and restrict movement of the items.

3.2.4 Close container by any suitable method which allows opening and reclosing without damage to the package or contents.



UNIT PACKAGE

### 3.3 INTERMEDIATE PACKAGES

3.3.1 Intermediate packaging shall be in accordance with applicable requirements of NAS 850.

### 3.4 PACKING

3.4.1 Exterior packing shall be in accordance with applicable requirements of NAS 850.

### 3.5 MARKING

3.5.1 Unit, intermediate, and exterior containers shall be marked in accordance with applicable requirements of NAS 850.

## 4.0 QUALITY ASSURANCE

4.1 Packages which do not conform to these requirements are subject to rejection and return to supplier at his expense.

## \* 5.0 NOTES

5.1 **CRITICAL SURFACES** - Items with one or more of the following characteristics are considered to have critical surfaces:

- a) Machined surfaces with 63RMS or lower.
- b) UNF or UNEF class 2A or 3A threads.
- c) External surfaces with  $\pm .005$  tolerance or less.

\* INDICATES CHANGE

### REVISION STATUS

| SHEET | REV. |
|-------|------|
| 1     | 2    |

CUSTODIAN: MANUFACTURING COMMITTEE

PROCUREMENT SPECIFICATION

NONE

### TITLE

**CLOSE TOLERANCE CYLINDRICAL HARDWARE ITEMS,  
PACKAGING OF**

### CLASSIFICATION

PACKAGING STANDARD

**NAS 3433**

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**Documents**

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