

INCH-POUND

MS27612J

10 January 2001

SUPERSEDING

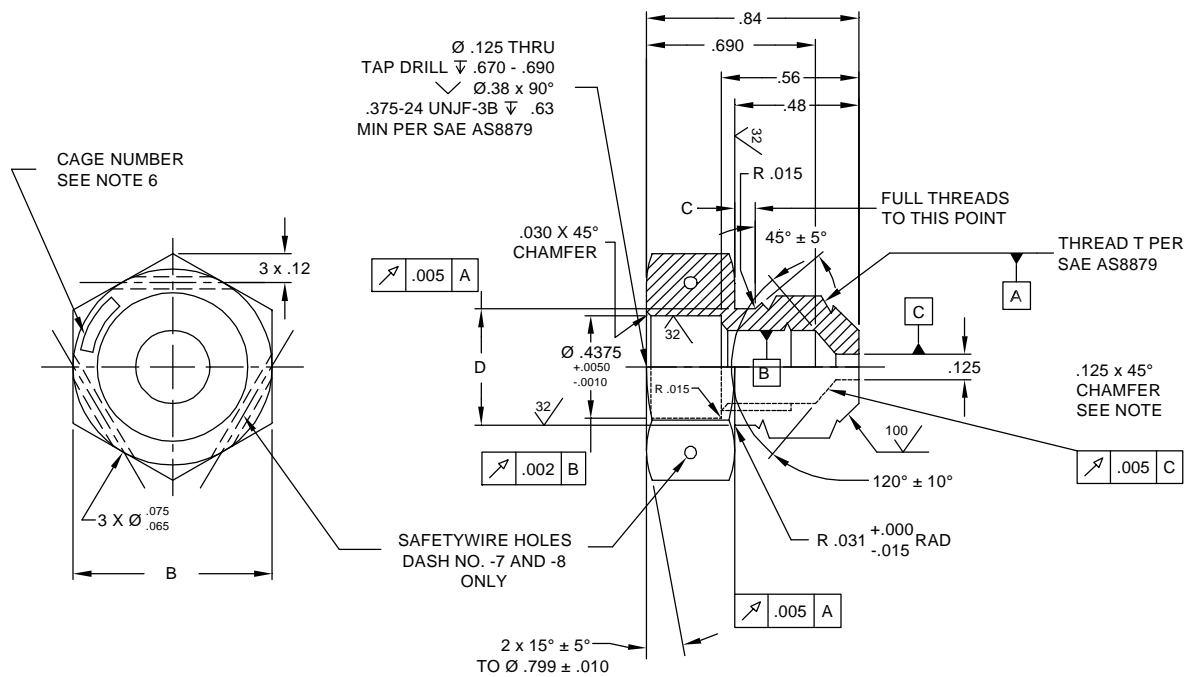
MS27612H

10 November 1999

## DETAIL SPECIFICATION SHEET

## ADAPTER, HYDRAULIC BLEEDER VALVE, AIRCRAFT WHEEL BRAKE

This specification is approved for use by all Departments and  
Agencies of the Department of Defense.

FIGURE 1. Adapter.

## MS27612J

TABLE I. Dimensions.

Part No.	T Thread Size	B + .003 - .004	C	D + .002 - .003 Dia.
MS27612-5 MS27612-7 <u>1/</u>	.5625-18UNJF-3A	.8130	.083 +.015 -.000	.481
MS27612-6 MS27612-8 <u>1/</u>	.7500-16UNJF-3A	1.000	.100 +.009 -.006	.660

1/ Preferred part. See note 3.

## REQUIREMENTS:

1. Material: Steel bar, Type 1117 per ASTM-A108, ASTM-A575, ASTM-A576 or equivalent. Alternate material: Steel bar Type 12L14 per FED-STD-66.
2. Finish: Cadmium is to be used only when other plating cannot meet the performance requirements of this document. If cadmium plating is used it shall be QQ-P-416, type II, class 3, .0002 to .0003 inch thick.
3. Surface texture: Symbols per ASME Y14.36. Requirements per ASME B46.1. Unless otherwise specified, surfaces to be 150  $\mu$ in  $R_a$ , except as noted.
4. This surface to be a smooth conical surface free from burrs, tool marks and visible flat spots. Annular tool marks will be allowed to 100  $\mu$ in  $R_a$  maximum.
5. Remove sharp edges, burr and silvers.
6. Permanently mark the cage number on the surface as shown in figure 1.

## NOTES:

1. Dimensioning and tolerancing: ASME Y14.5.
2. Dimensions in inches. Unless otherwise specified, tolerances: Fractions  $\pm .0156$ . Decimals  $\pm .005$ , Angles  $\pm .5^\circ$ .
3. MS27612-7 and -8 specify adapters with safetywire holes and are preferred to -5 and -6 for new design.

MS27612J

Custodians:

Army - AV

Navy - AS

Air Force - 99

Preparing activity:

DLA-CC

(Project 4730-2120)

Review activities:

Army - AT

Navy – SA, MC

Air Force - 11, 70, 82