

INCH-POUND

MS27611G  
 23 September 2015  
 SUPERSEDING  
 MS27611F  
 10 January 2001

DETAIL SPECIFICATION SHEET

VALVE, HYDRAULIC BLEEDER, AIRCRAFT WHEEL BRAKE

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

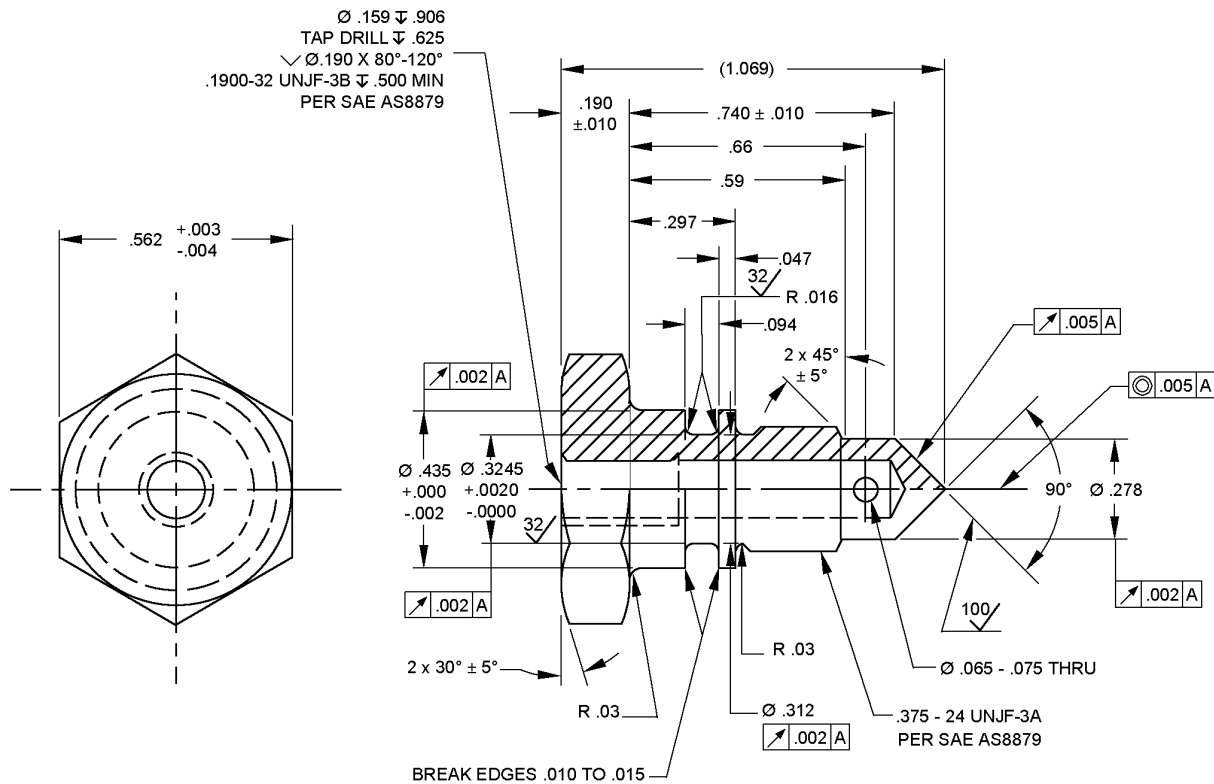


FIGURE 1. Valve

NOTES:

1. Dimensioning and tolerancing: ASME Y14.5M.
2. Dimensions are in inches. Unless otherwise specified, tolerances: Decimals  $\pm .005$ , Angles  $\pm .5^\circ$ .

FIGURE 1. Valve.



## Requirements

Material: Steel Rod, Type 8630 Per AMS6280.

Alternative Material Types:

4130 Per SAE AMS-S-6758

4140 Per AMS6349 or AMS6382

4330 Per AMS6427

8740 Per AMS6327

Heat treat to C28RH to C33RH.

Finish: Cadmium plating is to be used only when other platings cannot meet the performance requirements of this specification. If cadmium plating is used, it shall be per SAE-AMS-QQ-P-416, Type II, Class 3, .0002 to .0003 inch thick.

Surface texture: Symbols per ASME Y14.36. Requirements per ASME B46.1. Unless otherwise specified surfaces to be 150  $\mu$ in Ra.

Break edges .003 to .015 unless otherwise specified.

The valve shall withstand and seal 3,000 PSI min pressure.

Use O-Ring packing in accordance with SAE-AS83461/1, part number M83461/1-011, or equivalent.

Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. This document references the following:

ASME-B46.1

ASME-Y14.5M

ASME-Y14.36

SAE-AMS-6280

SAE-AMS-6327

SAE-AMS-6349

SAE-AMS-6382

SAE-AMS-6427

SAE-AMS-S-6758

SAE-AS83461/1

SAE-AS8879

SAE-AMS-QQ-P-416

CONCLUDING MATERIAL

Custodians:

Army - AV

Navy - AS

Air Force - 99

Preparing activity:

DLA - CC

(Project 4820-2015-010)

Review activities:

Army - AT

Navy - SA, MC

Air Force - 70

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online data at <https://assist.dla.mil>.