

INCH-POUND

MS27611E
 10 November 1999
 SUPERSEDING
 MS27611D (USAF)
 1 December 1982

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.

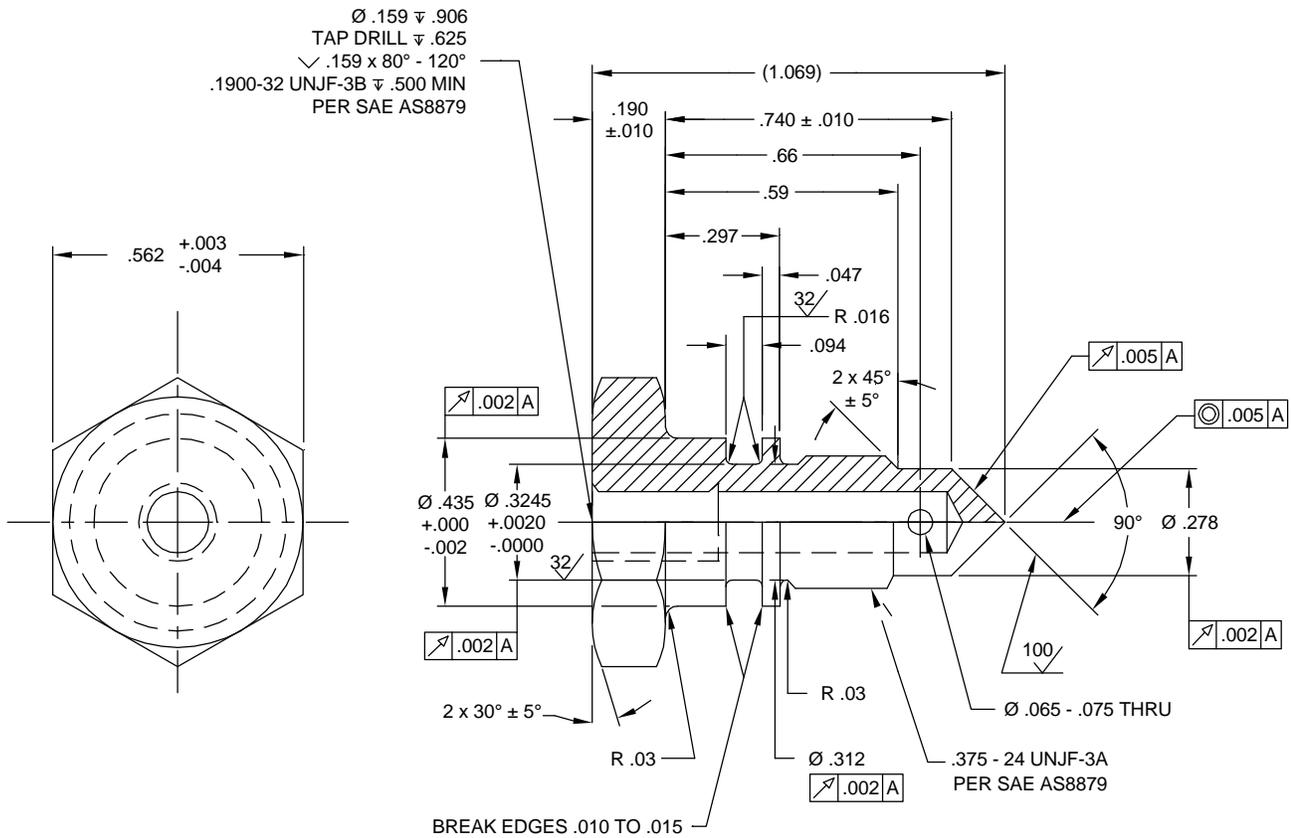


FIGURE 1. Valve.

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REQUIREMENTS:

1. 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

2. Heat treat to C28RH to C33RH.
3. 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 QQ-P-416, Type II, Class 3, .0002 to .0003 inch thick.
4. Surface texture: Symbols per ASME Y14.36. Requirements per ASME B46.1. Unless otherwise specified surfaces to be 150 μ in Ra.
5. Break edges .003 to .015 unless otherwise specified.
6. The valve shall withstand and seal 3,000 PSI min pressure.
7. Use O-Ring packing in accordance with MIL-P-83461/1, part number M83461/1-011, or equivalent.

NOTES:

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

Custodians:

- Army - AV
- Navy - AS
- Air Force - 99

Preparing activity:

DLA - CC

(Project 4820-0823)

Review activities:

- Army -
- Navy -
- Air Force - 11, 70, 82