



## MS27611E

### 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  $\mu$ 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