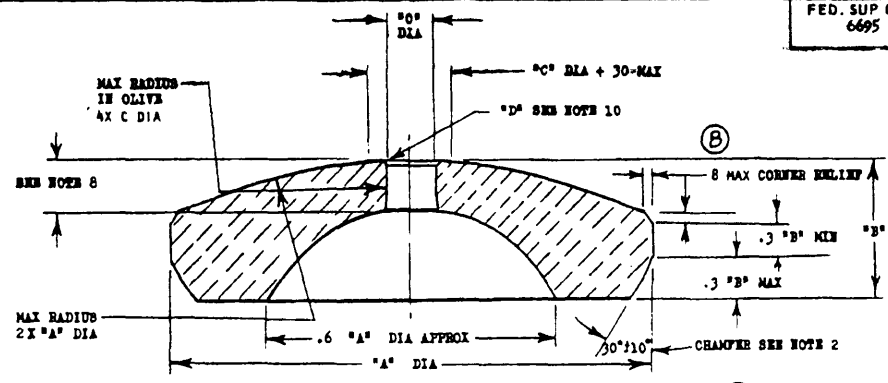


FED. SUP CLASS  
6695



| MS PART NO. | A      |                | B      |             | C      |                   | D     |
|-------------|--------|----------------|--------|-------------|--------|-------------------|-------|
|             | INCHES | 0.01 MM        | INCHES | 0.01 MM     | INCHES | 0.01 MM           |       |
| -1          | .040   | +0<br>102 -1   | .010   | +0<br>26 -4 | .0032  | +0.4<br>8 -0      | 2.00  |
| -3          |        |                |        |             | .004   | +0.4<br>10 -0     |       |
| -5          |        |                |        |             | .0048  | +0.4<br>12 -0     |       |
| -7          | .050   | +0<br>127 -1   | .0125  | +0<br>34 -5 | .0063  | +0.4<br>16 -0     | 8.00  |
| -9          |        |                |        |             | .008   | +0.4<br>20 -0     |       |
| -11         |        |                |        |             | .010   | +0.4<br>25.5 -1   |       |
| -13         |        |                |        |             | .0125  | +0.3<br>32 -2     | 6.00  |
| -14         | .0625  | +0<br>160 -1   | .020   | +0<br>50 -5 | .0157  | +0.3<br>40 -2     |       |
| -14A        |        |                |        |             | .0183  | +0.5<br>46.5 -0   |       |
| -15         |        |                |        |             | .020   | +0.3<br>51 -2     |       |
| -16         | .080   | +0<br>204 -1   |        |             | .025   | +0.5<br>63.5 -0   | 12.00 |
| -17         |        |                |        |             | .0313  | +0.5<br>79.5 -1   |       |
| -18         | .100   | +0<br>254 -1.5 |        |             | .040   | +0.5<br>102 -1    |       |
| -19         |        |                | .031   | +0<br>80 -5 | .050   | +0.5<br>127 -1    | 9.00  |
| -20         |        |                |        |             | .0625  | +0.5<br>159 -2.5  |       |
| -21         | .156   | +0<br>397 -2   |        |             | .080   | +0.25<br>203.5 -5 |       |

NOTES -

- UNIT OF MEASURE: 0.01 MM
- CHAMFER SHAPES AT THE OPTION OF THE JEWEL MANUFACTURER
- BREAK ALL SHARP CORNERS EXCEPT THAT INTERSECTION OF CUP AND FLAT SURFACE MUST BE WELL DEFINED
- DIA'S 'A' AND 'C' TO BE BOUND WITHIN 0.5
- DIA'S 'A' AND 'C' TO BE CONCENTRIC WITHIN 1
- DIA 'A' MUST BE PERPENDICULAR TO THE FLAT OF THE CUP SIDE WITHIN 2°
- FLAT ON CUP SIDE MUST BE LARGE ENOUGH TO ALIGN JEWEL IN ITS SETTING
- DEPTH AND SHAPE OF CUP IS AT THE OPTION OF THE MANUFACTURER, BUT THE LENGTH OF THE HOLE MAY NOT EXCEED DIA 'C' NOR BE LESS THAN 1/3 DIA 'C'
- MINIMUM DIAMETER OF OLIVE MUST OCCUR IN THE MIDDLE THIRD OF HOLE LENGTH WITH ITS PLANE PARALLEL TO THE FLAT SURFACES WITHIN 2 PER 100 OF OUTSIDE DIAMETER
- 'D' DIA CLEARANCE FOR PIVOT FILLET RADIUS. SHAPE AT OPTION OF JEWEL MANUFACTURER
- THE BOMBE' MUST BE UNIFORM
- HIGH POINT OF BOMBE' TO BE CONCENTRIC TO DIA 'C' WITHIN 3

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID DIMENSIONS IN INCHES ARE FOR REFERENCE ONLY

REVIEWER: ARMY (64)  
NAVY (AS)  
A.F. 82

THIS MILITARY STANDARD IS APPROVED BY THE DEPARTMENT OF DEFENSE AND IS MANDATORY ON ALL ACTIVITIES. SELECTION FOR ALL NEW ENGINEERING AND DESIGN APPLICATIONS AND FOR REPETITIVE USE SHALL BE MADE FROM THIS DOCUMENT.

APPROVED 20 JAN 1961 REVISED 30 OCT 61 20 MAY 1970

|  |                                    |                   |
|--|------------------------------------|-------------------|
| P.A. Air Force 11                        | TITLE                              | MILITARY STANDARD |
| Other Cust Army - MU<br>Navy - SH        | BEARING, JEWEL - OLIVE HOLE, BOMBE | MS27043           |
| PROCUREMENT SPECIFICATION<br>MIL-B-27497 | SUPERSEDES:                        | SHEET / OF /      |

DD FORM 1 SEP 57 672 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.