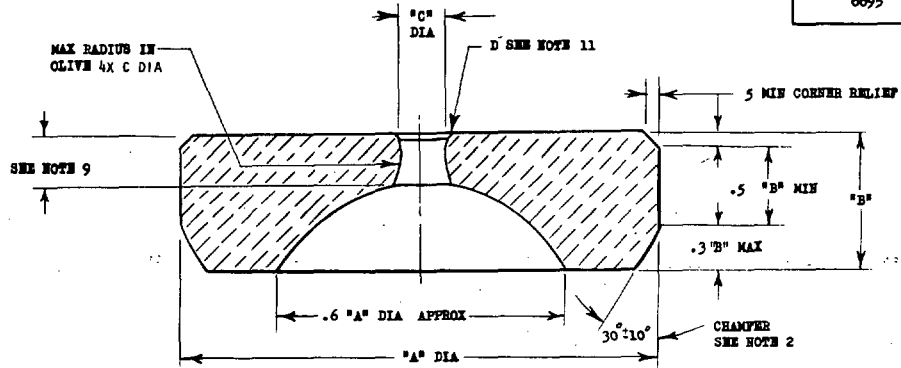


FED. SUP CLASS
6695

MS PART NO.	A		B		C		D
	INCHES	0.01 MM	INCHES	0.01 MM	INCHES	0.01 MM	
-3	.040	102 ⁺⁰ ₋₁	.010	26 ⁺⁰ ₋₄	.004	10 ⁺⁴ ₋₀	2.00
-5					.0048	12 ⁺⁴ ₋₀	
-7	.050	127 ⁺⁰ ₋₁	.0125	34 ⁺⁰ ₋₅	.0063	16 ⁺⁴ ₋₀	TO
-9					.008	20 ⁺⁴ ₋₀	8.00
-11					.010	25.5 ⁺⁴ ₋₁	
-13					.0125	32 ⁺³ ₋₂	6.00
-14	.0625	160 ⁺⁰ ₋₁			.0157	40 ⁺³ ₋₂	
-14A			.020	50 ⁺⁰ ₋₅	.0183	46.5 ⁺⁵ ₋₀	TO
-15					.020	51 ⁺³ ₋₂	
-16	.080	204 ⁺⁰ ₋₁			.025	63.5 ⁺⁵ ₋₀	12.00
-17					.0313	79.5 ⁺⁵ ₋₁	
-18	.100	254 ⁺⁰ _{-1.5}			.040	102 ⁺⁵ ₋₁	9.00
-19			.031	80 ⁺⁰ ₋₅	.050	127 ⁺⁵ ₋₁	
-20	.156	397 ⁺⁰ ₋₂			.0625	159 ⁺⁵ _{-1.25}	TO
-21					.080	203.5 ⁺²⁵ ₋₅	15.00

NOTES -

1. UNIT OF MEASURE: 0.01 MM
2. CHAMFER SHAPE AT THE OPTION OF THE JEWEL MANUFACTURER
3. BREAK ALL SHARP CORNERS EXCEPT THAT INTERSECTION OF CUP AND FLAT SURFACE MUST BE WELL DEFINED
4. THE FLAT SURFACES WILL BE PARALLEL WITHIN 1 PER MM OF OUTSIDE DIAMETER
5. DIA'S 'A' AND 'C' TO BE BOUND WITHIN 0.5
6. DIA'S 'A' AND 'C' TO BE CONCENTRIC WITHIN 1
7. DIA 'A' MUST BE PERPENDICULAR TO FLAT SIDE WITHIN 2°
8. FLAT ON CUP SIDE MUST BE LARGE ENOUGH TO ALIGN JEWEL IN ITS SETTING
9. 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'
10. MINIMUM DIAMETER OF OLIVE MUST OCCUR IN THE MIDDLE THIRD OF HOLE LENGTH WITH ITS PLANE PARALLEL TO THE FLAT SURFACES WITHIN 2 PER MM OF OUTSIDE DIAMETER
11. 'D' DIM. CLEARANCE FOR PIVOT FILLET RADIUS. SHAPE AT THE OPTION OF JEWEL MANUFACTURER

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 (EL)
 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 REPEATED USE SHALL BE MADE FROM THIS DOCUMENT.

P.A.	Air Force	11	TITLE	MILITARY STANDARD
Other Cust	Army - MU		BEARING, JEWEL - OLIVE HOLE,	MS27048
	Navy - SH		SINGLE CUP	
PROCUREMENT SPECIFICATION	MIL-B-27497		SUPERSEDES:	SHEET / OF /

DD FORM 1 SEP 57 672

(COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 20 JAN 1961
 REVISED 14 30 OCT 61 (B) : 20 MAY 1970