


MS PART NO.	A		B		C		D
	Inches	MM	Inches	MM	Inches	MM	MM
-1	0.0400	1.01 to 1.02	0.0100	0.22 to 0.26	0.0032	0.080 - 0.084	0.02 to 0.08
-3		0.0040			0.100 - 0.104		
-5	0.0500	1.26 to 1.27	0.0125	0.29 to 0.34	0.0048	0.120 - 0.124	
-7					0.0063	0.160 - 0.164	
-9					0.0080	0.200 - 0.204	
-11					0.0100	0.254 - 0.259	
-13	0.0625	1.59 to 1.60	0.0200	0.45 to 0.50	0.0125	0.318 - 0.323	0.06 to 0.12
-14					0.0157	0.398 - 0.403	
-14A					0.0183	0.465 - 0.470	
-15	0.0800	2.03 to 2.04	0.0310	0.75 to 0.80	0.0200	0.508 - 0.513	
-16					0.0250	0.635 - 0.640	
-17					0.0313	0.794 - 0.800	
-18					0.0400	1.019 - 1.025	
-19	0.1000	2.525 to 2.540	0.0310	0.75 to 0.80	0.0500	1.269 - 1.275	0.09 to 0.15
-20	0.0156	3.95 to 3.97			0.0625	1.5875 - 1.5950	
-21					0.0800	2.0300 - 2.0375	

Notes:

1. Chamfer Shape at the option of the jewel manufacturer.
2. Break Sharp corners except the intersection of cup and flat surface must be well defined.
3. Diameter's "A" and "C" to be round within 0.005
4. Diameter's "A" and "C" to be concentric within 0.01
5. Diameter "A" must be perpendicular to flat side within 2°
6. Flat on cup side must be large enough to align jewel in its setting
7. 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"
8. Minimum diameter of olive must occur in the middle third of hole length with its plane parallel to the flat surfaces within 0.02 per mm of outside diameter.
9. "D" Dim. Clearance for pivot fillet radius. Shape at the option of jewel manufacturer
10. The bombe must be uniform
11. High point of bombe to be concentric to dia. "C" within 0.03

Microlap Technologies Inc. 		Dimensions are all in mm		DWG. NO.	MT27043
		NAME	DATE	DWG. Name.	
<small>213 1st ST NW - POBOX 280 Rolla, ND 58367 701-477-3193 (P) - 701-477-6579 (F) WWW.MICROLAP.COM</small>		DRAWN	MJA	6/12/2013	<h1>MS-27043</h1>
		CHECKED	DG	6/18/2013	
		MFG APPR.	JL	6/17/2013	
Q.A.	SG	7/31/2013			
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<small>DO NOT SCALE DRAWING</small>		<small>Cup, Bombe & Flat: 0.05 micrometers OD: Ground</small>		Description: Olive Hole Bombe - Military Standard	REV. A
		SCALE: 20:1	WEIGHT:	SHEET 1 OF 1	