


MS PART NO.	A		B		D		E	
	Inches	MM	Inches	MM	MM	MM	Inches	mm
-1	0.0400	1.00	0.0310	0.75 to 0.80	0.0120	0.25 to 0.35	0.0020	0.04 - 0.07
-2		1.02					0.0032	0.06 - 0.10
-3							0.0048	0.09 - 0.15
-4	0.0500	1.25	0.0400	0.97 to 1.02	0.0140	0.30 to 0.40	0.0020	0.04 - 0.07
-5		1.27					0.0032	0.06 - 0.10
-6							0.0048	0.09 - 0.15
-7	0.0625	1.58	0.0500	1.22 to 1.27	0.0157	0.35 to 0.45	0.0032	0.06 - 0.10
-8		1.60					0.0048	0.09 - 0.15
-9							0.0072	0.14 - 0.22
-10	0.0800	2.02 to 2.04	0.0625	1.55 to 1.60	0.0200	0.45 to 0.55	0.0032	0.06 - 0.10
-11							0.0048	0.09 - 0.15
-12					0.0240	0.0072	0.14 - 0.22	
-13						0.0140	0.30 - 0.40	
-14		0.0079	0.16 - 0.24					

Notes:

1. Break all sharp corners.
2. The flat surfaces will be parallel within 0.01 per mm of outside diameter.
3. Dia. "A" and Radius "E" to be round within 0.01
4. Dia. "A" and Vee to be concentric within 0.05 T.I.R.
5. Dia. "A" must be perpendicular to base within 2°
6. Top of jewel and upper half of vee to be brushed and polished uniformly small chips and scratches which have been brushed clean may be accepted.
7. Lower half of vee and radius to be free of defects visible with 30X magnification.
8. The V-angle for part no. 14 shall be 90° - 100°

<p align="center">Microlap Technologies Inc.</p>		Dimensions are all in mm		DWG. NO. MS-27045	
		NAME	DATE	DWG. Name.	
 <p>213 1st ST NW - POBOX 280 Rolla, ND 58367 701-477-3193(P) - 701-477-6579 (F) WWW.microlap.com</p>		DRAWN	MJA	6/18/2013	<p align="center">MS-27045</p>
		CHECKED	DG	8/5/2013	
		MFG APPR.	JL	7/1/2013	
		Q.A.	SG	8/6/2013	
<p align="center">PROPRIETARY AND CONFIDENTIAL</p> <p><small>This drawing and the information contained in the specifications are the exclusive and proprietary property of Microlap Technologies, Inc. This information and materials shall not be disclosed, divulged, reproduced, copied or used in any manner without the express written authorization of Microlap Technologies, Inc. All copies, reproductions, or other duplications of any portion of this information or materials shall include this legend.</small></p>		MATERIAL Ruby/Sapphire		SIZE	Description: A Vee Jewel - Military Standard A
		<small>FINISH: Bottom 1/3 of vee and radius: 0.0125 micrometers Vee Flat: 0.1 micrometers Balance as machined</small>		SCALE:20:1	
DO NOT SCALE DRAWING					