

## TRUE ELLIPSE ... PREFORMING INSTRUCTIONS BY THE MICROMETER HEIGHT ADJUSTMENT METHOD

Table 724 MICROMETER HEIGHT ADJUSTMENT FOR 72 INDEX

Ellipse Size (mm) Width (inches)	Adjustment to be ADDED to Width					
	6 x 7	6 x 9	8 x 12	9 x 12	10 x 12	10 x 14
	0.2362	0.2362	0.3150	0.3543	0.3937	0.3937
INDEX SETTING						
36 - - - - 72	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35 - 37 - 01 - 71	0.0002	0.0006	0.0007	0.0005	0.0003	0.0007
34 - 38 - 02 - 70	0.0006	0.0022	0.0029	0.0021	0.0013	0.0028
33 - 39 - 03 - 69	0.0014	0.0048	0.0065	0.0046	0.0029	0.0062
32 - 40 - 04 - 68	0.0025	0.0083	0.0111	0.0079	0.0050	0.0108
31 - 41 - 05 - 67	0.0037	0.0125	0.0167	0.0119	0.0076	0.0162
30 - 42 - 06 - 66	0.0052	0.0172	0.0229	0.0165	0.0105	0.0224
29 - 43 - 07 - 65	0.0068	0.0222	0.0296	0.0214	0.0138	0.200
28 - 44 - 08 - 64	0.0085	0.0273	0.0364	0.0265	0.0171	0.0358
27 - 45 - 09 - 63	0.0102	0.0325	0.0433	0.0316	0.0206	0.0426
26 - 46 - 10 - 62	0.0119	0.0374	0.0499	0.0366	0.0240	0.0493
25 - 47 - 11 - 61	0.0135	0.0420	0.0561	0.0414	0.0272	0.0556
24 - 48 - 12 - 60	0.0150	0.0463	0.0617	0.0458	0.0302	0.0613
23 - 49 - 13 - 59	0.0164	0.0500	0.0667	0.0496	0.0328	0.0664
22 - 50 - 14 - 58	0.0175	0.0532	0.0707	0.0529	0.0351	0.0707
21 - 51 - 15 - 57	0.0185	0.0557	0.0743	0.0556	0.0369	0.0742
20 - 52 - 16 - 56	0.0191	0.0576	0.0768	0.0575	0.0383	0.0767
19 - 53 - 17 - 55	0.0195	0.0587	0.0782	0.0587	0.0391	0.0782
18 - - - - 54	0.0197	0.0591	0.0787	0.0591	0.0394	0.0787

General Instructions: First cut alternately at 36 and 72 until the desired width is attained. Note the micrometer setting (in inches). Select the column in the Table which most nearly meets the proportions of the stone you want to cut. Then move the index to the next setting and raise the faceting head by the appropriate amount (height adjustment from the table) before cutting the facet. Continue cutting at 90 degrees until the complete outline is preformed.