

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

Table 96-1 MICROMETER HEIGHT ADJUSTMENT FOR 96 INDEX

Ellipse Size (mm) Width (inches)	Adjustment to be ADDED to Width				
	6 x 7	12 x 14	18 x 21	24 x 28	30 x 35
	0.2362	0.4724	0.7087	0.9449	1.1811
INDEX SETTING					
48 - - - 96	0.0000	0.0000	0.0000	0.0000	0.0000
01 - 47 - 49 - 95	0.0001	0.0002	0.0003	0.0004	0.0005
02 - 46 - 50 - 94	0.0003	0.0007	0.0010	0.0013	0.0017
03 - 45 - 51 - 93	0.0008	0.0016	0.0024	0.0032	0.0040
04 - 44 - 52 - 92	0.0014	0.0028	0.0042	0.0056	0.0070
05 - 43 - 53 - 91	0.0022	0.0044	0.0066	0.0088	0.0110
06 - 42 - 54 - 90	0.0031	0.0062	0.0093	0.0124	0.0155
07 - 41 - 55 - 89	0.0041	0.0082	0.0123	0.0164	0.0205
08 - 40 - 56 - 88	0.0052	0.0104	0.0156	0.0208	0.0260
09 - 39 - 57 - 87	0.0064	0.0128	0.0192	0.0256	0.0320
10 - 38 - 58 - 86	0.0077	0.0153	0.0230	0.0307	0.0383
11 - 37 - 59 - 85	0.0089	0.0179	0.0268	0.0357	0.0447
12 - 36 - 60 - 84	0.0102	0.0204	0.0306	0.0408	0.0510
13 - 35 - 61 - 83	0.0115	0.0230	0.0345	0.0460	0.0575
14 - 34 - 62 - 82	0.0128	0.0255	0.0383	0.0511	0.0638
15 - 33 - 63 - 81	0.0140	0.0279	0.0419	0.0559	0.0698
16 - 32 - 64 - 80	0.0150	0.0301	0.0451	0.0601	0.0752
17 - 31 - 65 - 79	0.0160	0.0321	0.0481	0.0641	0.0802
18 - 30 - 66 - 78	0.0170	0.0340	0.0510	0.0680	0.0850
19 - 29 - 67 - 77	0.0178	0.0356	0.0534	0.0712	0.0890
20 - 28 - 68 - 76	0.0185	0.0369	0.0554	0.0739	0.0923
21 - 27 - 70 - 75	0.0190	0.0380	0.0570	0.0760	0.0950
22 - 26 - 71 - 74	0.0194	0.0388	0.0582	0.0776	0.0970
23 - 25 - 71 - 73	0.0196	0.0392	0.0588	0.0784	0.0980
24 - - - 72	0.0197	0.0394	0.0591	0.0787	0.0984

General Instructions: First cut alternately at 95 - 48 until the desired width is attained. Note the micrometer setting (in inches). Select the column in the table which most nearly meets the proportion and size 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.