

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

Table 96-2 MICROMETER HEIGHT ADJUSTMENT FOR 96 INDEX

Ellipse Size (mm)	Adjustment to be ADDED to Width			
	6 x 8	12 x 16	18 x 24	24 x 32
Width (inches)	0.2362	0.4724	0.6299	0.9449
INDEX SETTING				
43 96	0.0000	0.0000	0.0000	0.0000
01 - 47 - 49 - 95	0.0002	0.0004	0.0006	0.0008
02 - 46 - 50 - 94	0.0008	0.0016	0.0024	0.0032
03 - 45 - 51 - 93	0.0017	0.0035	0.0051	0.0068
04 - 44 - 52 - 92	0.0026	0.0050	0.0070	0.0090
05 - 43 - 53 - 91	0.0036	0.0073	0.0103	0.0134
06 - 42 - 54 - 90	0.0045	0.0091	0.0125	0.0160
07 - 41 - 55 - 89	0.0057	0.0113	0.0151	0.0190
08 - 40 - 56 - 88	0.0070	0.0139	0.0186	0.0230
09 - 39 - 57 - 87	0.0084	0.0168	0.0222	0.0270
10 - 38 - 58 - 86	0.0100	0.0200	0.0260	0.0310
11 - 37 - 59 - 85	0.0118	0.0236	0.0300	0.0350
12 - 36 - 60 - 84	0.0138	0.0276	0.0340	0.0390
13 - 35 - 61 - 83	0.0160	0.0320	0.0380	0.0430
14 - 34 - 62 - 82	0.0184	0.0368	0.0430	0.0480
15 - 33 - 63 - 81	0.0210	0.0420	0.0480	0.0530
16 - 32 - 64 - 80	0.0238	0.0476	0.0540	0.0590
17 - 31 - 65 - 79	0.0268	0.0536	0.0600	0.0650
18 - 30 - 66 - 78	0.0300	0.0600	0.0670	0.0720
19 - 29 - 67 - 77	0.0334	0.0668	0.0740	0.0790
20 - 28 - 68 - 76	0.0370	0.0740	0.0810	0.0860
21 - 27 - 70 - 75	0.0408	0.0816	0.0880	0.0930
22 - 26 - 71 - 74	0.0448	0.0896	0.0950	0.1000
23 - 25 - 71 - 73	0.0490	0.0980	0.1020	0.1070
24 - - - 72	0.0534	0.1068	0.1090	0.1140

General Instructions:

First cut alternately at 96 and 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, inches) before cutting the facet. Continue cutting at 90 degrees until the complete outline is preformed.