

PREFORMING BY THE CENTERPOINT ANGLE METHOD (contd)

- (5) With the elevation angle set to 90 degrees, index each setting used and cut down to the girdle line marked in the previous step.

(Editor Note: One of the advantages of this method is that the final outline, including size, can be determined at this step. With the index set alternately at 90 and 48, cut until the desired width (smallest dimension) of the oval is reached. Then cut the other girdle facets to form a uniform line with the 96-48 facets.

This completes the preforming operation. Proceed to facet the pavilion.

Both the "Angle" Method (CAM) and the Micrometer Height Adjustment Method (MHA) can be used for shapes other than the oval, for example the marquise, heart, pendeloque, and other fancy cuts. Some of these designs will be available as SEATTLE FACETOR DESIGN sheets in the future.

PREFORMING CHART FOR TRUE ELLIPSE --- 96 INDEX
CENTERPOINT ANGLE METHOD

Ellipse Size (mm)	5 x 7	6 x 7	5 x 6	4 x 5	6 x 8
	10 x 14	12 x 14	10 x 12	8 x 10	12 x 16
	15 x 21	18 x 21	15 x 18	12 x 15	18 x 24
	20 x 28	24 x 28	20 x 24	16 x 20	24 x 32
	25 x 35	30 x 35	25 x 30	20 x 25	30 x 40
INDEX SETTING					
48 - 96	54.5	49.4	50.2	51.3	53.1
01 - 47 - 49 - 95	54.4	50.4	50.2	51.3	53.1
02 - 46 - 50 - 94	54.2	49.3	50.1	51.2	53.0
03 - 45 - 51 - 93	54.0	49.2	50.0	51.1	52.9
04 - 44 - 52 - 92	53.6	49.1	49.8	50.8	52.4
05 - 43 - 53 - 91	53.2	48.9	49.6	50.5	52.1
06 - 42 - 54 - 90	52.7	48.7	49.3	50.2	51.7
07 - 41 - 55 - 89	52.1	48.4	49.0	49.9	51.2
08 - 40 - 56 - 88	51.5	48.2	48.7	49.5	50.7
09 - 39 - 57 - 87	50.9	47.9	48.4	49.1	50.2
10 - 38 - 58 - 86	50.2	47.8	48.1	48.7	49.6
11 - 37 - 59 - 85	49.6	47.3	47.7	48.3	49.1
12 - 36 - 60 - 84	49.0	47.0	47.4	47.8	48.5
13 - 35 - 61 - 83	48.4	46.8	47.0	47.4	48.0
14 - 34 - 62 - 82	47.9	46.5	46.7	47.0	47.5
15 - 33 - 63 - 81	47.3	46.2	46.4	46.7	47.1
16 - 32 - 64 - 80	46.9	46.0	46.1	46.4	46.7
17 - 31 - 75 - 79	46.4	45.8	45.9	46.0	46.3
18 - 30 - 66 - 78	46.1	45.6	45.7	45.8	45.9
19 - 29 - 67 - 77	45.7	45.4	45.5	45.5	45.7
20 - 28 - 68 - 76	45.5	45.3	45.3	45.3	45.4
21 - 27 - 70 - 75	45.3	45.2	45.2	45.2	45.2
22 - 36 - 71 - 74	45.1	45.1	45.1	45.1	45.1
23 - 25 - 71 - 73	45.0	45.0	45.0	45.0	45.0
24 - - - 72	45.0	45.0	45.0	45.0	45.0