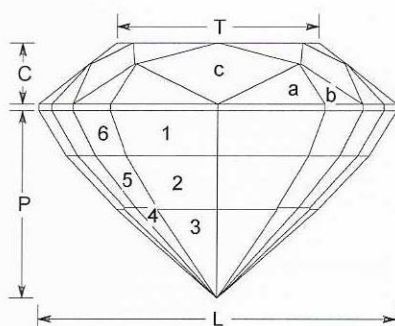
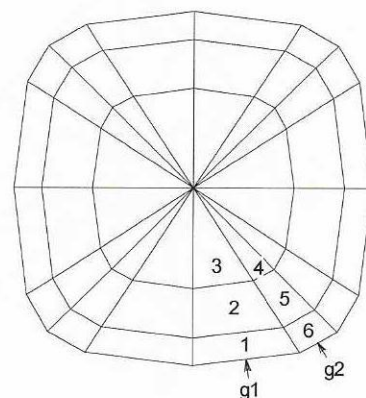
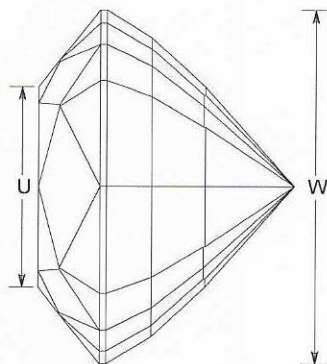
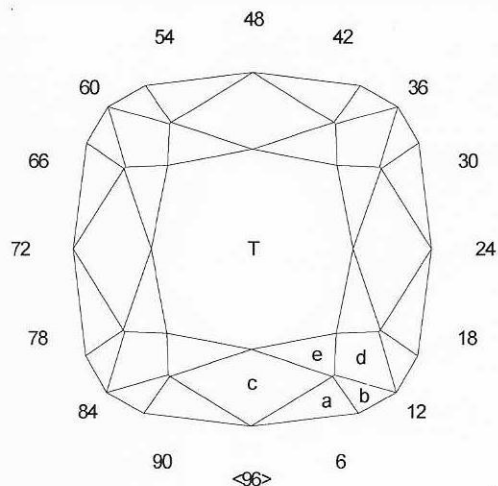




Mixed Square Cushion III

By Ernie Hawes

Angles for R.I. = 1.610

81 + 16 girdles = 97 facets

4-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.562$ $U/W = 0.562$

$P/W = 0.528$ $C/W = 0.177$

$Vol./W^3 = 0.292$

PAVILION

1	58.90° 02-22-26-46-50-70-74-94
g1	90.00° 02-22-26-46-50-70-74-94
2	46.00° 02-22-26-46-50-70-74-94
3	42.40° 02-22-26-46-50-70-74-94
4	39.50° 08-16-32-40-56-64-80-88
5	43.10° 08-16-32-40-56-64-80-88
6	56.30° 08-16-32-40-56-64-80-88
g2	90.00° 08-16-32-40-56-64-80-88

Cut to temporary center point

Set stone width

Cut so 1 is a bit less than 1/3 of pavilion depth

Cut to permanent center point

Cut to center point

Cut level with line dividing 2 & 3

Cut level with line dividing 1 & 2

Cut to level girdle line with g1

CROWN

a	45.90° 02-22-26-46-50-70-74-94
b	42.40° 08-16-32-40-56-64-80-88
c	38.90° 96-24-48-72
d	36.80° 12-36-60-84
e	27.50° 03-21-27-45-51-69-75-93
T	0.00° Table

Set girdle thickness

Cut to level girdle line with a

Meet a at girdle

Meet b at girdle

Meet at juncture of a, b & c

Meet at juncture of c,e and d,e