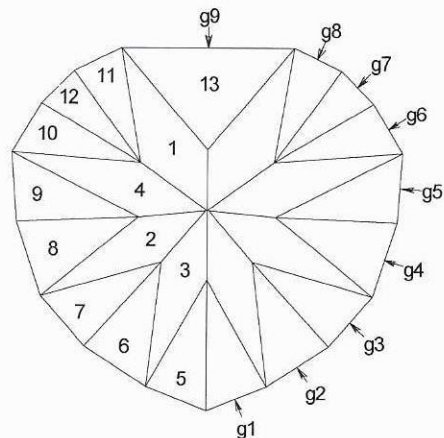
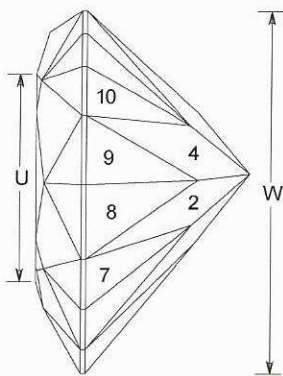
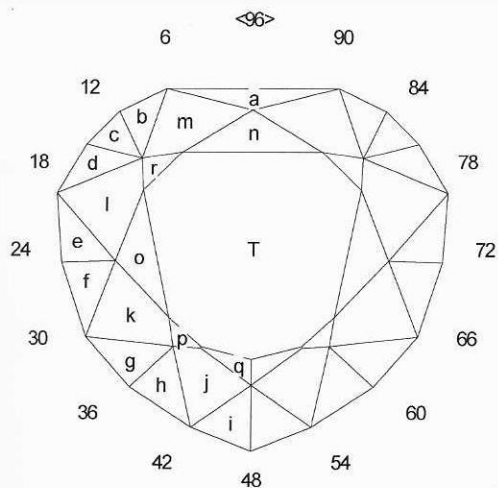




Valentine Heart

By Ernie Hawes

Angles for R.I. = 1.760

60 + 17 girdles = 77 facets

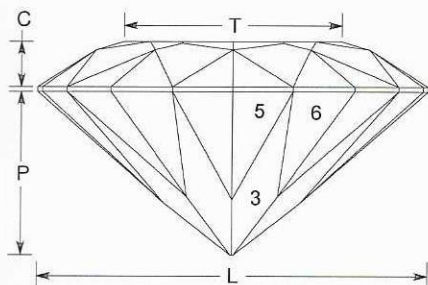
1-fold, mirror-image symmetry

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L/W = 1.065 T/W = 0.590 U/W = 0.572

P/W = 0.447 C/W = 0.121

Vol./W³ = 0.207



PAVILION

1	41.90°	05-9	Carefully cut to even line
2	41.50°	33-63	Create center point with 1
3	41.35°	41-55	Cut to center point
4	39.00°	21-75	Cut to center point
g1	90.00°	42-54	Cut so g1 facets meet
5	41.50°	42-54	Meet 3 at girdle
g2	90.00°	39-57	Meet g1 & 3
6	43.00°	39-57	Meet 3 & 5 at girdle
7	42.95°	35-61	Meet at juncture of 2, 3 & 6
g3	90.00°	35-61	Cut to level girdle line
g4	90.00°	29-67	Meet at juncture of 2, 7 & g3
8	43.30°	29-67	Cut to level girdle line
9	42.13°	25-71	Meet at juncture of 2, 4 & 8
g5	90.00°	25-71	Meet 8 & 9 at level girdle line
g6	90.00°	16-80	Meet 4, g5 & 9
10	41.80°	16-80	Meet 4, g6 & 9
11	42.75°	07-89	Meet at juncture of 1 & 4
12	42.70°	12-84	Meet at juncture 1, 4, 10 & 11
g7	90.00°	12-84	Cut to level girdle line
g8	90.00°	07-89	Cut to level girdle line
g9	90.00°	96	Cut to level girdle line
13	47.50°	96	Meet at juncture of 1, 11 & g9

CROWN

a	56.50°	96	Set girdle thickness
b	37.35°	07-89	Cut to even girdle line
c	38.92°	12-84	Cut to even girdle line
d	35.80°	16-80	Cut to even girdle line
e	34.40°	25-71	Cut to even girdle line
f	35.59°	29-67	Cut to even girdle line
g	32.27°	35-61	Cut to even girdle line
h	32.95°	39-57	Cut to even girdle line
i	30.80°	42-54	Cut to even girdle line
j	29.85°	41-55	Meet h & i at girdle
k	29.10°	33-63	Meet f & g at girdle
l	27.70°	21-75	Meet d & e at girdle
m	34.20°	05-91	Meet a & b at girdle
n	15.70°	96	Meet at juncture of m & a
o	9.95°	27-69	Meet at juncture e, f, k & l
p	20.35°	37-59	Meet at juncture g, h, j & k
q	16.00°	44-52	Meet at juncture i & j
r	10.10°	12-84	Meet at juncture b, c, d, l & m
T	0.00°	Table	Meet at juncture of stars & mains