

## Vortex TriHeart

by Roland Arajs

Gemology Online Faceting Design Competition 2014

Cutthroat Entry 4

Angles for R.I. = 1.540

51 + 15 girdles = 66 facets

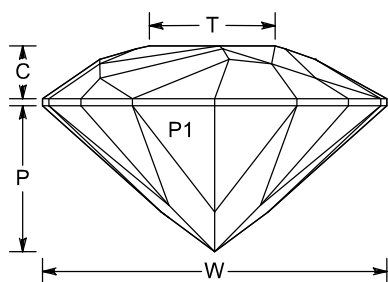
3-fold radial symmetry

96 index

L/W = 1.018 T/W = 0.365 U/W = 0.328

P/W = 0.423 C/W = 0.153

Vol./W<sup>3</sup> = 0.182



### PAVILION

P1	42.56°	10-22-42-54-74-86	Cut to centerpoint.
P2	44.62°	14-18-78-82	Meet at culet.
G1	90.00°	10-22-42-54-74-86	Set stone size.
G2	90.00°	14-18-78-82	Level girdle.
P5	42.32°	12-20-44-52-76-84	Meet P1, P2, G1, G2
P6	41.94°	29-35-61-67	Meet P1, P5
G3	90.00°	29-35-61-67	Level girdle.
G4	90.00°	48	Meet P1, G1, P5
P7	45.94°	47-49	Meet P1, G1, P5, G4 (no level girdle)

### CROWN

C1	27.79°	22-54-86	Set girdle width.
C2	34.61°	10-42-74	Level girdle.
C3	47.68°	48	Level girdle.
C4	33.40°	18-82	Level girdle.
C5	36.56°	14-46-78	Level girdle.
C6	33.52°	29-61	Level girdle.
C7	36.20°	35-67	Level girdle.
C8	25.50°	20-52-84	Meet G1, G2, C1, C4; G1, G4, C1, C3
C9	23.14°	19-51-83	Meet C3, C5, C8; C4, C5, C8
C10	18.84°	12-44-76	Meet C2, C5, C9; 3 other unique meetpoints
C11	16.84°	17-49-81	Meet C2, C5, C9, C10; 3 other unique meetpoints
T	0.00°	Table	Meet C9, C11