

Electric Feel

by Arya Akhavan (September 2012)

Facet Data

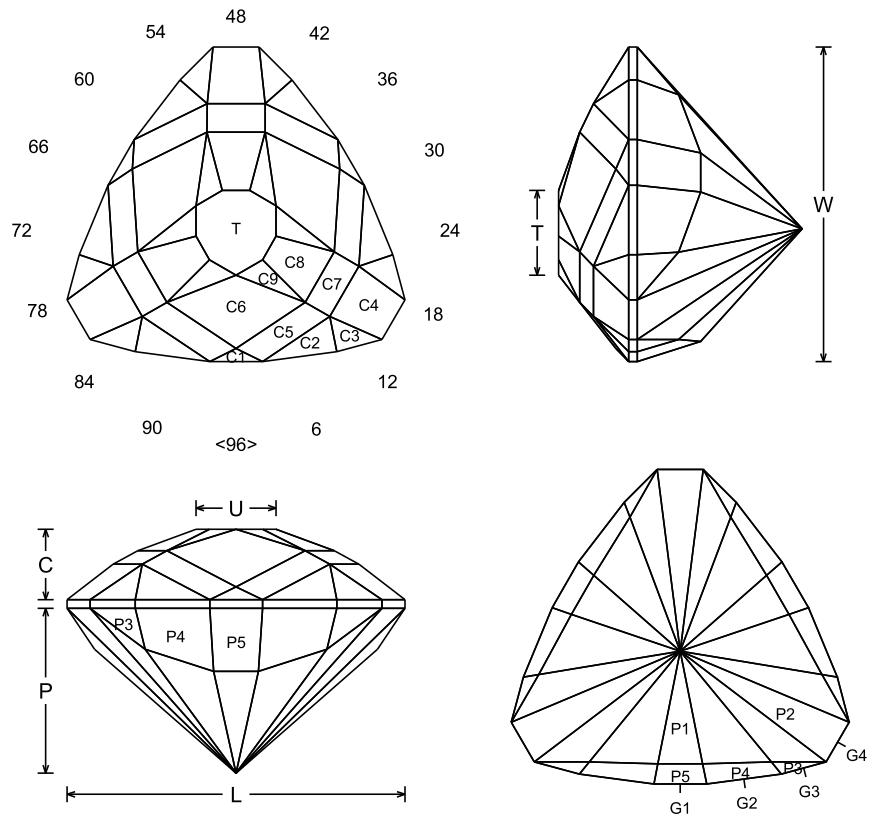
Pavilion facets	33	Pavilion tiers	5
Girdle facets	18	Girdle tiers	4
Crown facets	39+1	Crown tiers	9+1
Total facets	91	Total tiers	19

Size Data

L/W	1.074	P/W	0.524
T/W	0.270	C/W	0.223
U/W	0.255	H/W	0.774
V/W^3	0.269	P/C	2.349

Design Data

Angles for R.I.	1.54
Symmetry	3-fold, mirror
Index gear	96



Comments

This is a rework of one of my first designs. It had an interesting concept...but was ultimately untenable. So I kept the outline, cleaned up the barion pavilion, and added some bars on the crown because I really like bars. Works in materials from quartz to tourmaline (RI = 1.54 - 1.62), but for any higher RIs you'll need to make the pavilion shallower and the crown taller on a case-by-case basis. It's weird, I know.

Pavilion

P1	42.00	96-06-15-17-26-32-38-47-49-58-64-70-79-81-90	Cut to centerpoint.
P2	42.17	16-48-80	Meet at culet.
G1	90.00	96-32-64	Set stone size.
G2	90.00	02-30-34-62-66-94	Meet P1, G1
G3	90.00	04-28-36-60-68-92	Meet P1, G2
G4	90.00	16-48-80	Level girdle.
P3	70.93	04-28-36-60-68-92	Level girdle.
P4	72.14	02-30-34-62-66-94	Level girdle.
P5	72.42	96-32-64	Level girdle.

Crown

C1	44.46	96-32-64	Set girdle width.
C2	44.46	02-30-34-62-66-94	Level girdle.
C3	44.46	04-28-36-60-68-92	Level girdle.
C4	31.86	16-48-80	Level girdle.
C5	40.96	01-31-33-63-65-95	Meet G1, G2, C1, C2
C6	38.00	96-32-64	Meet C1, C5
C7	25.43	16-48-80	Meet C2, C3, C4, C5
C8	20.13	16-48-80	Meet C5, C6, C7
C9	20.13	08-24-40-56-72-88	Meet C5, C6, C7, C9
T	0.00	Table	Meet C6, C9