

Electric Feel

by Arya Akhavan (September 2012)

Angles for R.I. = 1.540

85 + 18 girdles = 103 facets

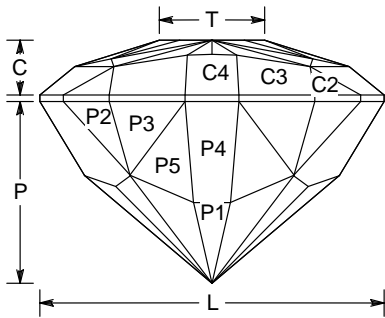
3-fold, mirror-image symmetry

96 index

$L/W = 1.074$ $T/W = 0.328$ $U/W = 0.306$

$P/W = 0.567$ $C/W = 0.171$

$Vol./W^3 = 0.277$



PAVILION

P1	41.12°	96-06-15-17-26-32-38-47-49-58-64-70-79-81-90	Cut to centrepoint.
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
P2	68.06°	04-28-36-60-68-92	Meet P1, G3 (level girdle)
P3	69.43°	02-30-34-62-66-94	Level girdle.
P4	67.09°	96-32-64	Level girdle.
P5	66.87°	01-31-33-63-65-95	Meet G1, P3, P4
P6	48.93°	16-48-80	Meet P1, P2, P3, P5
G4	90.00°	16-48-80	Level girdle.

CROWN

C1	30.00°	16-48-80	Set girdle width.
C2	50.00°	04-28-36-60-68-92	Level girdle.
C3	50.00°	02-30-34-62-66-94	Level girdle.
C4	50.00°	96-32-64	Level girdle.
C5	17.28°	08-24-40-56-72-88	Meet C1, C2, C3
C6	19.30°	01-31-33-63-65-95	Meet C3, C4, C5
C7	14.97°	12-20-44-52-76-84	Meet C1, C2, C3, C5
C8	21.67°	16-48-80	Meet C1, C2, C3, C5, C7
C9	13.33°	14-18-46-50-78-82	Meet C5, C6; C7, C8
T	0.00°	Table	Meet C5, C6, C9

Honestly, I was just kinda dicking around and wrote this in maybe 5 minutes. Somehow it turned out better than okay, although as to how I have no idea. The reflection pattern is reminiscent of lightning bolts! Written for Oro Verde quartz, but works from feldspar to CZ (RI = 1.52 - 2.16), and is a knockout in canary yellow YAG.

Recommended size = 10-15 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Electric Feel.gem