

### Tessellation 36 (N)

Suite: Tessellation Party!

by Arya Akhavan (September 2014)

Angles for R.I. = 1.540

31 + 10 girdles = 41 facets

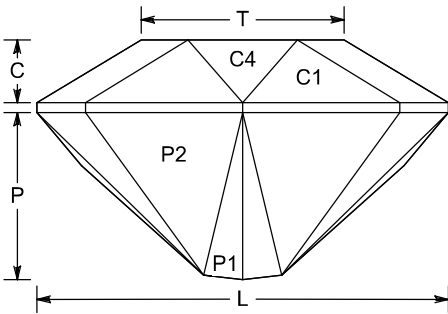
2-fold, mirror-image symmetry

96 index

$L/W = 1.111$   $T/W = 0.549$   $U/W = 0.512$

$P/W = 0.451$   $C/W = 0.169$

$Vol./W^3 = 0.268$



#### PAVILION

P1	42.27°	02-46-50-94	Cut to centerpoint.
G1	90.00°	03-45-51-93	Set stone width.
P2	43.00°	03-45-51-93	Level girdle.
P3	43.00°	17-31-65-79	Meet P1, P2
P4	42.78°	20-28-68-76	Meet P1, P2, P3
G2	90.00°	17-31-65-79	Level girdle.
G3	90.00°	24-72	Meet P3, P4, G2
P5	50.00°	24-72	Level girdle.

#### CROWN

C1	38.82°	03-45-51-93	Set girdle width.
C2	28.00°	17-31-65-79	Level girdle.
C3	31.04°	24-72	Level girdle.
C4	34.76°	96-48	Meet G1, C1
T	0.00°	Table	Meet C1, C2, C4; C2, C3

Here's yet another N-type tessellation, that I made by chopping bits off the previous iteration. However, notice the C4 facets in this design? Well, instead of being absurdly shallow facets, these ones are cut at a "real" angle, since the design no longer has a stupidly high L/W ratio. Works in materials from quartz to zircon (RI = 1.54 - 1.93) with no changes.

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