



## Tessellation 19 (J)

Suite: Tessellation Party!

by Arya Akhavan (November 2012)

Angles for R.I. = 1.540

44 + 8 girdles = 52 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.000

P/W = 0.462 C/W = 0.191

Vol./W<sup>3</sup> = 0.213

### PAVILION

P2	42.34°	04-20-28-44- 52-68-76-92	Meet at culet.
P1	43.33°	96-24-48-72	Cut to centerpoint.
G1	90.00°	96-24-48-72	Set stone size.
G2	90.00°	12-36-60-84	Meet P1, P2, G1
P3	65.00°	12-36-60-84	Level girdle.
P4	42.00°	02-22-26-46- 50-70-74-94	Meet P1, P2, G1, G2, P3

### CROWN

C1	57.62°	12-36-60-84	Set girdle width.
C2	32.92°	96-24-48-72	Level girdle.
C3	30.14°	04-20-28-44- 52-68-76-92	Meet G1, G2, C1, C2
C4	12.00°	12-36-60-84	Meet C1, C3; C2, C3

This is the first stone I've written in the J series of my Tessellation Party suite. It's got an apex crown, but any windowing in the center is minimal, even in low RIs. Plus, this pattern has great light return, with a very unique and complex appearance! Works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes, cuts surprisingly quickly, and should be cool and flashy in both small and large sizes.

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