

Tessellation 19 (J)

"If You Seek Amy"

Suite: Tessellation Party!

by Arya Akhavan (November 2012)

Angles for R.I. = 1.580

52 + 8 girdles = 60 facets

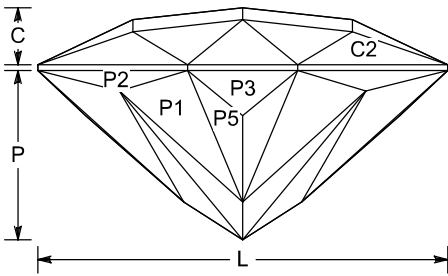
4-fold, mirror-image symmetry

96 index

L/W = 1.000

P/W = 0.413 C/W = 0.139

Vol./W³ = 0.173



PREFORM

X1	40.00°	96-24-48-72	Cut to centerpoint.
X2	43.10°	12-36-60-84	Meet at culet.
G1	90.00°	12-36-60-84	Set stone size.
G2	90.00°	96-24-48-72	Level girdle.

CROWN

C1	25.20°	96-24-48-72	Set girdle width.
C2	48.89°	12-36-60-84	Level girdle.
C3	22.88°	04-20-28-44- 52-68-76-92	Meet G1, G2, C1, C2
C4	8.78°	12-36-60-84	Meet C1, C3; C2, C3

PAVILION

P1	41.33°	10-14-34-38- 58-62-82-86	Overwrite culet.
P2	65.26°	12-36-60-84	Level girdle.
P3	43.33°	96-24-48-72	Level girdle.
P4	40.54°	11-13-35-37- 59-61-83-85	Meet P1, P2
P5	41.32°	01-23-25-47- 49-71-73-95	Meet G1, G2, P1, P3; P1, P4

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! I like it in aquamarine, but works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes.

Suggested oblique width = 6-10 mm

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