

Whirling Octagon

Loren Brown, RSA Gems January 2019

Angles for R.I. = 1.540

33 + 8 girdles = 41 facets

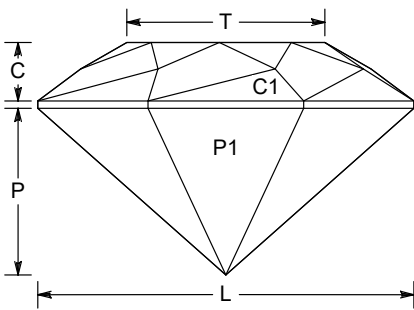
8-fold radial symmetry

96 index

$L/W = 1.000$ $T/W = 0.527$ $U/W = 0.527$

$P/W = 0.442$ $C/W = 0.155$

$Vol./W^3 = 0.216$



PAVILION

G1 90.00° 96-12-24-36-48-60-72-84

P1 41.50° 96-12-24-36-48-60-72-84 cut to TCP

CROWN

C1 36.67° 96-12-24-36-48-60-72-84 level girdle

C2 32.00° 11-23-35-47-59-71-83-95 meet C1, G1

C3 23.27° 05-17-29-41-53-65-77-89 meet C1, C2

T 0.00° Table meet C2, C3

Just a little simple skewing of the crown facets to give this octagon a pinwheel effect.

C:\Users\Loren Brown\Documents\Hex and Oct\Whirling Octagon.gem