

PANA Mine - Rising Eye

by Arya Akhavan (October 2018)

Facet Data

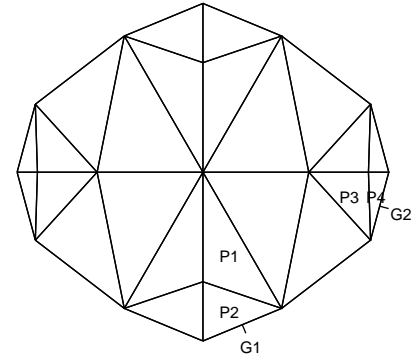
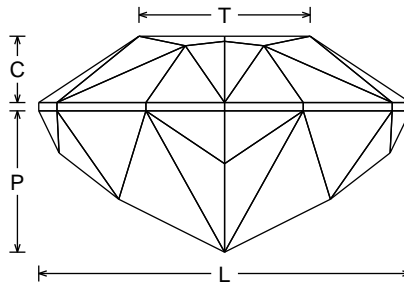
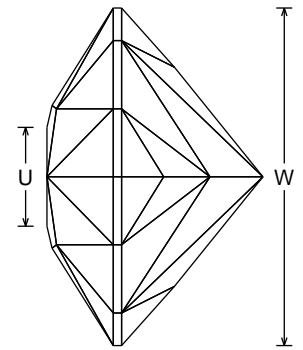
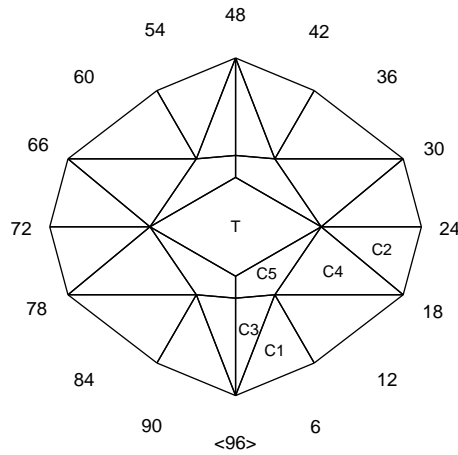
Pavilion facets	24	Pavilion tiers	4
Girdle facets	12	Girdle tiers	2
Crown facets	24+1	Crown tiers	5+1
Total facets	61	Total tiers	12

Size Data

L/W	1.101	P/W	0.419
H/W	0.640	C/W	0.196
V/W ³	0.214	P/C	2.131

Design Data

R.I. range	1.54 - 2.62
Size range	8 - 15 mm
Symmetry	2-fold, mirror
Index gear	96



Comments

This design was written specifically for dichroic green-red Oregon sunstone. The keeled pavilion will help prevent colour mixing, but careful orientation is required to make sure the green and red directions lie exactly along the X, Y, and Z axes. The finished result can produce a green body, with red splashes at the far X-ends of the stone. Works in materials from sunstone to rutile (RI = 1.54 - 2.62) with no changes.

Pavilion

P1	42.00	07-09-39-41-55-57-87-89	Cut to centerpoint.
G1	90.00	06-10-38-42-54-58-86-90	Set stone width.
P2	44.00	06-10-38-42-54-58-86-90	Level girdle.
P3	44.36	14-34-62-82	Meet P1, P2
P4	65.00	20-28-68-76	Meet G1, P2 P3
G2	90.00	20-28-68-76	Level girdle.

Crown

C1	36.00	06-10-38-42-54-58-86-90	Set girdle width.
C2	34.42	20-28-68-76	Level girdle.
C3	33.05	04-44-52-92	Meet G1, C1
C4	32.03	12-36-60-84	Meet G1, G2, C1, C2; C1, C3
C5	15.00	08-40-56-88	Meet C1, C3, C4; C2, C4
T	0.00	Table	Meet C2, C4, C5