

PANA Mine - Ninja Star

by Arya Akhavan (October 2018)

Facet Data

Pavilion facets	36	Pavilion tiers	3
Girdle facets	16	Girdle tiers	1
Crown facets	36+1	Crown tiers	4+1
Total facets	89	Total tiers	9

Size Data

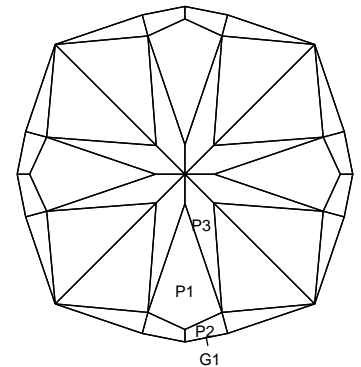
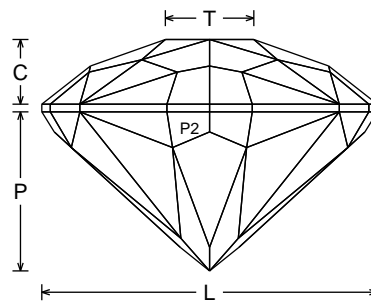
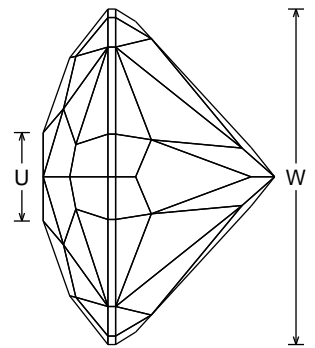
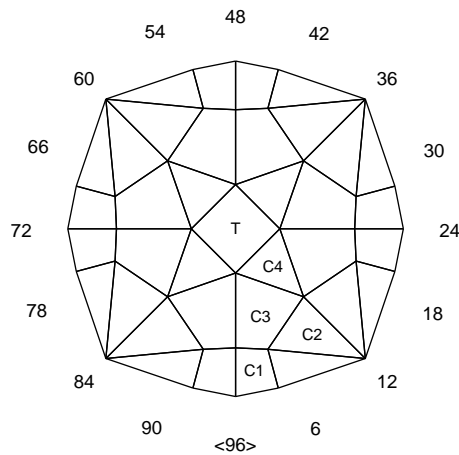
L/W	1.000	P/W	0.474
H/W	0.690	C/W	0.193
V/W ³	0.236	P/C	2.459

Design Data

R.I. range	1.54 - 2.03
Size range	7 - 15 mm
Symmetry	4-fold, mirror
Index gear	96

Comments

This design was written specifically for dichroic green-red Oregon sunstone. The direction of strongest green colour should be oriented table-up, along the Z axis, and should give an interesting green "ninja star" appearance in the contrast pattern, ringed with red along the girdle line. Works in materials from sunstone to GGG (RI = 1.54 - 2.03) with no changes.



Pavilion

P1	42.50	96-08-16-24-32-40-48-56-64-72-80-88	Cut to centerpoint.
G1	90.00	03-05-19-21-27-29-43-45-51-53-67-69-75-77-91-93	Set stone size.
P2	58.68	03-05-19-21-27-29-43-45-51-53-67-69-75-77-91-93	Level girdle.
P3	41.00	06-18-30-42-54-66-78-90	Meet P1, P2

Crown

C1	38.66	03-05-19-21-27-29-43-45-51-53-67-69-75-77-91-93	Set girdle width.
C2	27.41	09-15-33-39-57-63-81-87	Meet G1, C1
C3	21.54	07-17-31-41-55-65-79-89	Meet C1, C2
C4	17.36	12-36-60-84	Meet C2, C3
T	0.00	Table	Meet C3, C4