

Mark 1

Scott Laborie - November 2019

Facet Data

Pavilion facets	38	Pavilion tiers	8
Girdle facets	8	Girdle tiers	2
Crown facets	23	Crown tiers	7
Total facets	69	Total tiers	17

Size Data

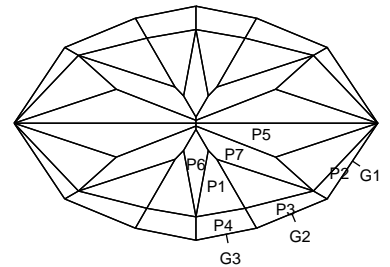
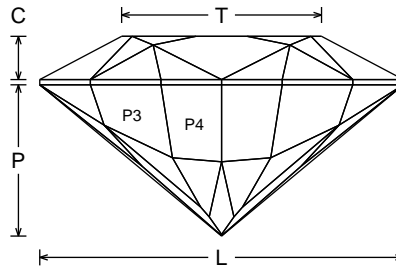
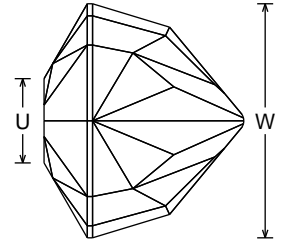
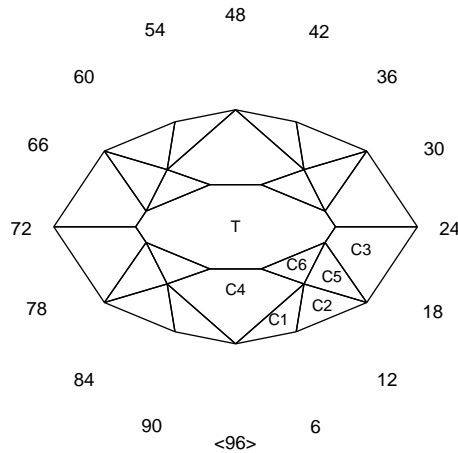
L/W	1.553	P/W	0.646
H/W	0.853	C/W	0.185
V/W ³	0.464	P/C	3.498

Design Data

R.I. range	1.72 - 2.14
Size range	3 - 20 mm
Symmetry	2-fold, mirror
Index gear	96
Shape	Marquise

Comments

Designed for the side stones on a friends ring!
If you go smaller than 5mm you can omit a few pavilion facets! I test cut this in 3x2mm spinels!



Pavilion

P1	42.12	04-12-20-28-36-44-52-60-68-76-84-92	Create CP
G1	90.00	15-33-63-81	Establish Size
G2	90.00	06-42-54-90	Meet P1
G3	90.00	03-45-51-93	Meet P1
P2	68.58	15-33-63-81	Level it
P3	72.68	06-42-54-90	Level it
P4	73.41	03-45-51-93	Level it
P5	40.00	22-26-70-74	Meet Girdle
P6	39.69	96-48	Meet P4
P7	39.50	16-32-64-80	Meet P2 and P3

Crown

C1	37.30	03-45-51-93	Set Girdle Thickness
C2	40.00	06-42-54-90	Level it
C3	32.43	15-33-63-81	Level it
C4	30.00	96-48	Meet Girdle
C5	31.00	12-36-60-84	Meet Girdle
C6	16.00	06-42-54-90	Meet C1 & C2
T	0.00	96	Meet C5