

2023 USFG Master - Montana Madness

by Arya Akhavan

Facet Data

Pavilion facets	36	Pavilion tiers	4
Girdle facets	12	Girdle tiers	2
Crown facets	42+1	Crown tiers	5+1
Total facets	91	Total tiers	12

Size Data

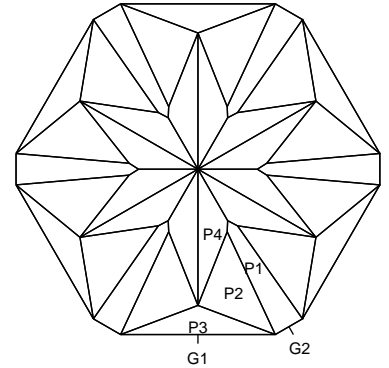
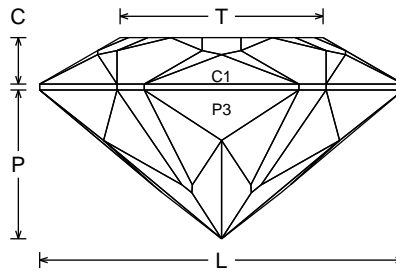
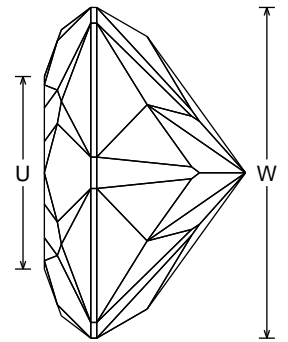
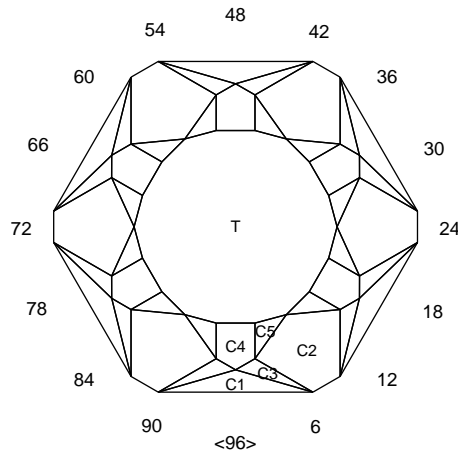
L/W	1.100	P/W	0.450
H/W	0.608	C/W	0.140
V/W ³	0.247	P/C	3.205

Design Data

Angles for R.I.	1.76
Symmetry	6-fold, mirror
Index gear	96

Comments

Stone Size (W) is 12 mm +/- 0.1 mm
 Girdle Width is .5 mm +/- 0.1 mm
 Material is Quartz (can be synthetic)



Pavilion

P1	40.00	08-24-40-56-72-88	Cut to centerpoint.
P2	39.90	07-09-23-25-39-41-55-57-71-73-87-89	Meet at culet.
G1	90.00	96-16-32-48-64-80	Set stone size.
G2	90.00	08-24-40-56-72-88	Level girdle.
P3	60.00	96-16-32-48-64-80	Level girdle.
P4	38.00	06-10-22-26-38-42-54-58-70-74-86-90	Meet P2, P3

Crown

C1	52.79	96-16-32-48-64-80	Set girdle width.
C2	30.00	08-24-40-56-72-88	Level girdle.
C3	35.26	04-12-20-28-36-44-52-60-68-76-84-92	Meet G1, G2, C1, C2
C4	20.00	96-16-32-48-64-80	Meet C1, C3
C5	20.65	04-12-20-28-36-44-52-60-68-76-84-92	Meet C2, C3, C4
T	0.00	Table	Meet C2, C5