

USFG SSC 2021 - Pre-Master

Gazebo Square Emerald Cut by Jim Perkins
61 including Preform + 8 Girdle = 69 facets

Facet Data

Pavilion facets	32	Pavilion tiers	6
Girdle facets	8	Girdle tiers	2
Crown facets	28+1	Crown tiers	5+1
Total facets	69	Total tiers	14

Size Data

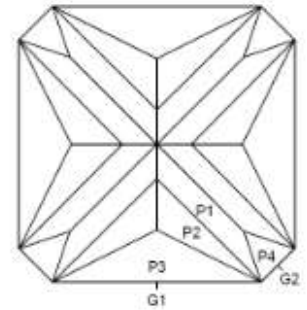
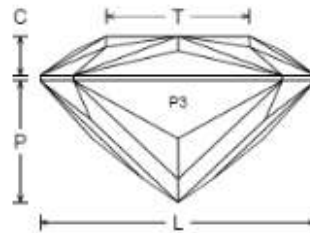
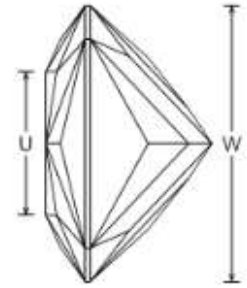
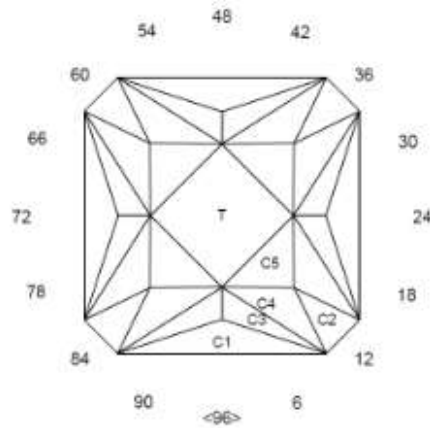
L/W	1.000	P/W	0.441
T/W	0.519	C/W	0.142
U/W	0.519	H/W	0.603
V/W^3	0.254	P/C	3.096

Design Data

Angles for R.I.	1.72
Symmetry	4-fold, mirror
Index gear	96

Comments

Material to cut: Spinel
Width of stone: 10 mm +/- 0.2
Girdle Thickness: 0.5 mm +/- 0.2



Pavilion

pf1	40.01	{96-24-48-72}
G1	90.00	96-24-48-72
pf2	34.04	{12-36-60-84}
G2	90.00	12-36-60-84
P1	36.00	06-18-30-42-54-66-78-90
P2	38.95	03-21-27-45-51-69-75-93
P3	47.94	96-24-48-72
P4	38.95	12-36-60-84

Cut to temporary center point (TCP)
Create stone width and Level Gridle
Cut to TCP
Meet pf1, G1, pf2 and continue Level Girdle
Cut to a new permanent center point (PCP)
Meet G1, G2
Meet G1, G2, P2, Level Girdle
GMP - G1, G2, P2, P3 Level Girdle

Crown

C1	36.00	96-24-48-72
C2	22.25	12-36-60-84
C3	24.70	03-21-27-45-51-69-75-93
C4	21.20	06-18-30-42-54-66-78-90
C5	12.00	12-36-60-84
T	0.00	Table

Establish girdle thickness - Meet G1, G2
Continue Level Girdle, Meet G1, G2, C1
Meet C1 C2, G1, G2
Meet C2, C3, G1, G2
Meet C3, C4, C5
MP - C4, C2, C4