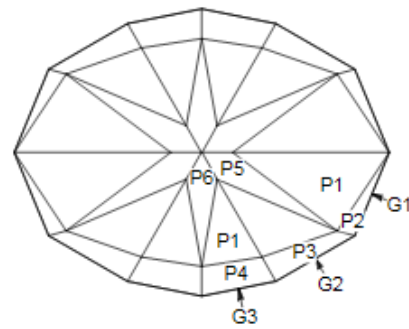
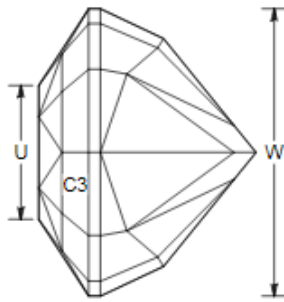
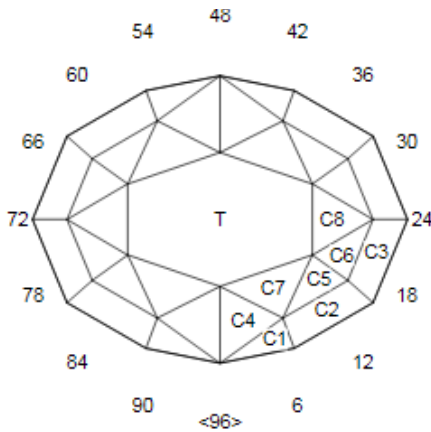




# United States Faceters Guild

## 2016 Single Stone Competition

### PREMASTER CLASS



#### Beginner Barion Oval/Quake311 - 2016 USFG Pre-Master

by Michiko Huynh (March 2011)

Angles for R.I. = 1.720

61 + 12 girdles = 73 facets

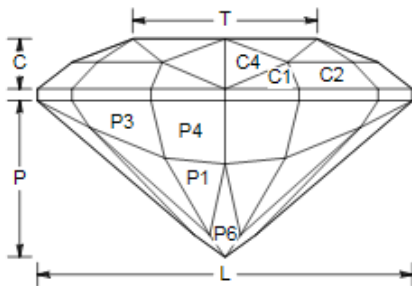
2-fold, mirror-image symmetry

96 index

$L/W = 1.308$   $T/W = 0.644$   $U/W = 0.466$

$P/W = 0.543$   $C/W = 0.175$

$Vol./W^3 = 0.358$



#### PAVILION

P1	41.50°	04-12-20-28-36-44-52-60-68-76-84-92	Cut to centerpoint.
G1	90.00°	18-30-66-78	Set stone length.
G2	90.00°	08-40-56-88	Meet P1, G1
G3	90.00°	03-45-51-93	Meet P1, G2
P2	55.70°	18-30-66-78	Level girdle.
P3	64.00°	08-40-56-88	Level girdle.
P4	65.20°	03-45-51-93	Level girdle.
P5	39.60°	16-32-64-80	Meet P1, P2, P3
P6	39.15°	96-48	Meet P1, P4; culet

#### CROWN

C1	40.00°	03-45-51-93	Set girdle width.
C2	40.00°	08-40-56-88	Level girdle.
C3	40.00°	18-30-66-78	Level girdle.
C4	33.25°	01-47-49-95	Meet G3, C1
C5	30.45°	08-40-56-88	Meet C1, C2, C4
C6	28.80°	18-30-66-78	Meet C2, C3, C5
C7	25.00°	05-43-53-91	Meet C1, C2, C4, C5
C8	21.05°	24-72	Meet C3, C6; C5, C6, C7
T	0.00°	Table	Meet C4, C7; C5, C6, C7, C8

This design was written by Michiko Huynh in solidarity with the victims of the earthquake in Sendai, Japan, in March of 2011. She has graciously made it available as this year's Pre-Master design.

Material: synthetic spinel, any color

Size: length 16 mm +/- 0.2, girdle thickness 0.3 mm +/- 0.2

The Pre-Master Class is the USFG's intermediate difficulty, designed to challenge more experienced cutters. This design should test your girdle-outline skills and your ability to cut a crown with more complex meets.

To certify as a Pre-Master, you must score a minimum of 90. To be eligible for awards, you must score a minimum of 93. The 1<sup>st</sup>, 2<sup>nd</sup>, & 3<sup>rd</sup> place rankings will go to the top 3 scores. A score of 93 or above will allow a Pre-Master to elect to move up to the Master competition in future years. The 1<sup>st</sup> place winner of the Pre-Master Class MUST move up to the Master competition if he or she chooses to compete again.