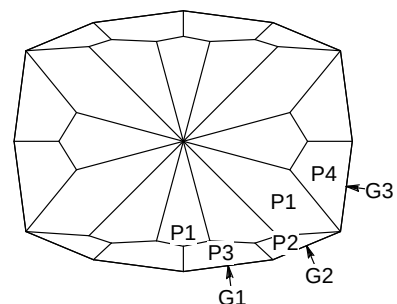
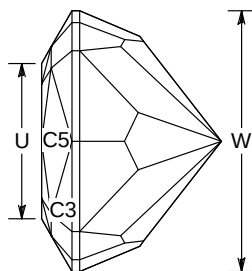
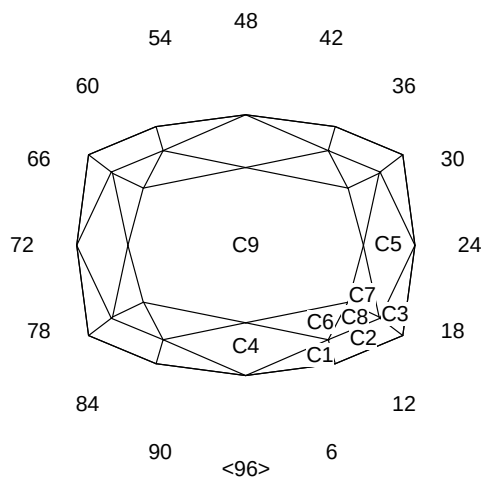




Facets Cut for Zircon Simple Pavilion

Revision and Sequence by John Broadfoot, 2018

Modified from FVS302, Van Sant, F. W

Preform by Henk Prins

Angles for R.I. = 1.810

53 + 12 girdles = 65 facets

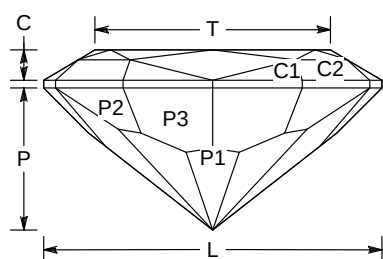
2-fold, mirror-image symmetry

96 index

$L/W = 1.300$ $T/W = 0.905$ $U/W = 0.595$

$P/W = 0.544$ $C/W = 0.117$

$Vol./W^3 = 0.370$



PREFORM

PF1	40.00°	16-32-64-80	Cut to TCP
PF2	38.00°	08-40-56-88	Meet TCP
PF3	42.20°	22-26-70-74	Meet TCP
G1	90.00°	02-46-50-94	Establish Width
G2	90.00°	06-42-54-90	Meet PF1, PF2 and G1 (girdle not level)
G3	90.00°	22-26-70-74	Meet PF1, PF3 and G2

PAVILION

P1	38.00°	96-16-24-32- 48-64-72-80	Cut top PCP
P2	63.65°	06-42-54-90	Meet P1, G2, G3
P3	67.20°	02-46-50-94	Meet P2, G1, G2
P4	45.07°	22-26-70-74	Meet P1, P2, G2, G3

CROWN

C1	39.92°	02-46-50-94	Set girdle width
C2	39.71°	06-42-54-90	Level girdle
C3	39.50°	22-26-70-74	Level girdle
C4	30.00°	96-48	Meet C1 and girdle
C5	30.64°	24-72	Meet C3 and girdle
C6	16.68°	03-45-51-93	Meet C1, C2, C4
C7	15.35°	20-28-68-76	Meet C2, C3, C5
C8	20.02°	06-42-54-90	Meet C1, C2, C4, C6
C9	0.00°	Table	

C:\Users\henks\Dropbox\Facet Talk Designs\Designs\Facet Talk 226\Facets Cut for Zircon Simple Pavilion-1.gem