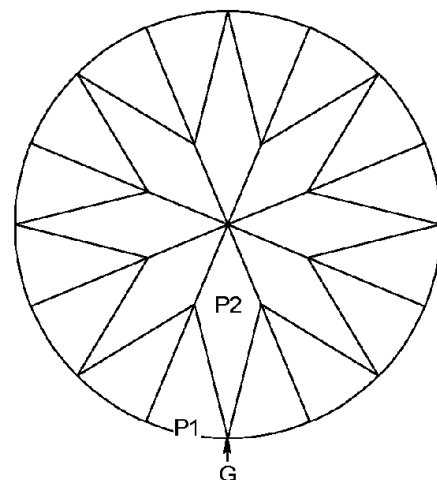
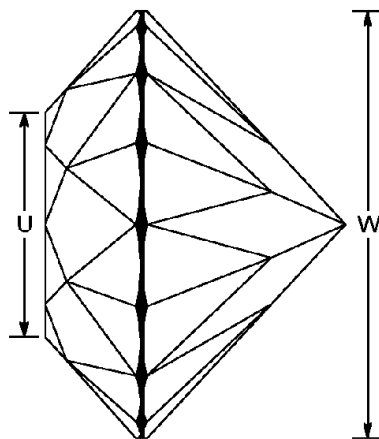
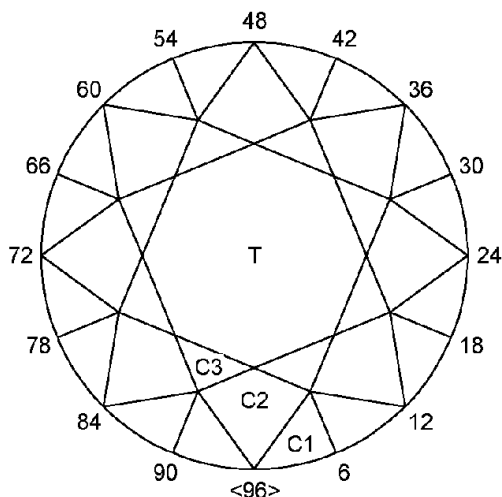


Gemkhana 2019

INTERMEDIATE, NOVICE & JUNIOR SECTIONS I.8A, N.8A & J.8A

Material: Coloured Quartz
Facets: 58 Meets: 41 (crown: 24, pavilion: 17)



Standard Brilliant - Continuous Girdle

Computer Work by Rick Parker, for Gemkhana 2019.

Angles for R.I. = 1.540

57 + 1 girdle = 58 facets

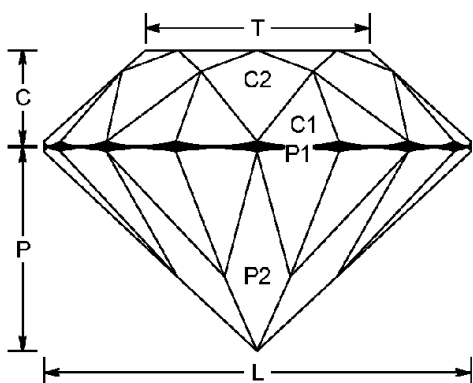
8-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.527$ $U/W = 0.527$

$P/W = 0.476$ $C/W = 0.223$

$Vol./W^3 = 0.245$



PAVILION

P1	45.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	TCP
G	90.00°	(96 total)	cut to size 'rolled girdle'
P2	43.00°	96-12-24-36-48-60-72-84	meet P1-P1 at girdle, PCP

CROWN

C1	47.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	set girdle width
C2	42.00°	96-12-24-36-48-60-72-84	meet C1-C1 at girdle
C3	26.00°	06-18-30-42-54-66-78-90	meet C2-C2-C1-C1
T	0.00°	Table	meet C3-C3-C2