



Mistress

by Jeff R. Graham, 2003

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Angles for R.I. = 1.560

33 + 4 girdles = 37 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.514

U/W = 0.514

P/W = 0.446 C/W = 0.198

Vol./W³ = 0.292

PAVILION

P1	43.00°	96-24-48-72
		Cut to center point.
P2(G)	90.00°	96-24-48-72
		Cut to meet P1.
P3	40.00°	01-23-25-47-49-71-73-95
		Cut to meet girdle.

CROWN

C1	48.00°	96-24-48-72
		Cut to meet girdle.
C2	30.45°	03-21-27-45-51-69-75-93
		Cut to meet girdle.
C3	28.47°	04-20-28-44-52-68-76-92
		Cut to meet girdle.
T	0.00°	Table
		Cut to meet C2, C3.

Cutters Notes:

Stone Material – Cutters Choice, light or clear is best.
 Stone width to be 12 mm +/- 0.5 mm without deduction.
 Girdle width to be 0.3 mm +/- 0.1 mm without deduction.

Originally designed for Beryl
 Change culet angle to 40.5 for Quartz