



Scissored Bar Clamshell

By Loren Brown, RSA Gems, June 2019

Angles for R.I. = 1.620

67 + 8 girdles = 75 facets

2-fold, mirror-image symmetry

96 index

L/W = 1.571 T/W = 0.707 U/W = 0.148

P/W = 0.607 C/W = 0.305

Vol./W³ = 0.726

PAVILION

	90.00°	24-72	
	90.00°	96-48	
	90.00°	12-36-60-84	
P1	73.95°	96-48	level girdle, size stone
P2	53.06°	24-72	level girdle
P3	56.55°	01-47-49-95	meet P1 at girdle
P4	45.66°	03-45-51-93	meet P1 at girdle
P5	40.67°	05-43-53-91	meet P1 at girdle
P6	38.00°	07-41-55-89	meet P1 at girdle
P7	39.48°	21-27-69-75	meet P2 at girdle
P8	44.36°	23-25-71-73	meet P2 at girdle
P9	41.90°	12-36-60-84	level girdle at corners

CROWN

C1	69.82°	96-48	establish girdle thickness and level it
C2	44.41°	12-36-60-84	level girdle
C3	43.40°	24-72	level girdle
C4	36.62°	23-25-71-73	meet C2, C3
C5	29.01°	24-72	meet C1, C2, C4
C6	24.48°	24-72	meet C5, C1, C2
C7	60.71°	96-48	meet C1, C2, C4, C5, C6
C8	19.78°	23-25-71-73	meet C7 @ C4
C9	16.47°	24-72	meet C6, C8
C10	13.47°	24-72	meet C8, C9
C11	54.30°	96-48	meet C7, C8, C9, C10
C12	11.24°	23-25-71-73	meet C7 @ C8
C13	9.00°	24-72	meet C10, C12
T	0.00°	Table	

Written for the 2019 AGTA Spectrum Awards

Angles for Tourmaline

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