



Shockwave

By Loren Brown, (c) 2018 RSA Gems

Angles for R.I. = 1.760

57 + 8 girdles = 65 facets

2-fold, mirror-image symmetry

96 index

L/W = 1.667 T/W = 0.418 U/W = 0.279

P/W = 0.695 C/W = 0.289

Vol./W³ = 0.759

PAVILION

G1	90.00°	96-48	
G2	90.00°	24-72	
G3	90.00°	12-36-60-84	
P1	62.03°	96-48	
P2	56.49°	01-47-49-95	meet P1, G1, G3
P3	47.39°	96-48	cut to Center Point
P4	43.00°	12-36-60-84	level girdle
P5	45.00°	01-47-49-95	meet P2, P3, P4 carefully
P6	55.73°	24-72	level girdle
P7	45.54°	23-25-71-73	meet P4, P6
P8	45.97°	24-72	meet P4, P5, P7

CROWN

C1	21.94°	12-36-60-84	establish girdle thickness
C2	73.92°	96-48	level girdle
C3	42.11°	24-72	level girdle
C4	20.00°	15-33-63-81	meet C1, C3, G2, G3
T	0.00°	Table	
C5	24.16°	09-39-57-87	meet T, C4
C6	33.37°	01-47-49-95	meet T, C4
C7	33.92°	96-48	meet T, C4
C8	20.07°	18-30-66-78	meet T, C4
C9	20.35°	23-25-71-73	meet T, C4
C10	20.42°	24-72	meet T, C4

Simple design written for sapphire, should also be good in garnet and spinel

C:\Users\Loren Brown\Documents\Rectangles\Shockwave.gem