



### FVS Cushion Barion

Shifter55 -  
 Angles for R.I. = 1.540  
 41 + 8 girdles = 49 facets  
 2-fold mirror-image symmetry  
 120 index  
 $L/W = 1.229$   $T/W = 0.699$   $U/W = 0.469$   
 $P/W = 0.553$   $C/W = 0.179$   
 $Vol./W^3 = 0.362$

### Pavilion

P1	42.00	120-011-025-030-035-049-060-071-085-090-095-109	Cut to CTP
G1	90.00	004-056-064-116	Define stone size
G2	90.00	026-034-086-094	Level girdle
P2	67.00	004-056-064-116	Cut barion facets
P3	67.00	026-034-086-094	Cut barion facets

### Crown

C1	41.00	004-056-064-116	Level girdle
C2	41.00	026-034-086-094	Level girdle
C3	34.00	120-060	Meet G1
C4	34.00	030-090	Meet G2
C5	29.00	004-056-064-116	Cut C3 halfway for closest match
C6	29.00	026-034-086-094	Meet C2,C5
T	0.00	Table	Meet C3,C4

This was based on FVS-66 and could be considered a simplified version for smaller stones.  
 The crown is more or less a step cut, and can be adjusted to fit the rough if weight retention is desired.  
 Suitable for RI=1.54 and higher.