



### Dark Crystal

RIs 1.54 to 1.83  
 Angles for R.I. = 1.540  
 30 + 3 girdles = 33 facets  
 3-fold radial symmetry  
 120 index  
 $L/W = 1.015$   
 $H/W = 1.607$   
 $Vol./W^3 = 0.483$

#### PAVILION

- P1 55.09° 002-042-082 Cut to CTP
- P2 60.49° 011-051-091 Define stone size. Stone size will be 11\*P1-P1 edge.
- P3 57.89° 003-043-083 Meet P1-P2 at inner edge.
- P4 71.61° 039-079-119 Meet P2,P3.
- P5 78.07° 035-075-115 Meet P2,P4. A false girdle can be cut to reduce facet size
- G1 90.00° 006-046-086 Cut a small false girdle at 91+ to reduce the size of this facet. Meet P3,P4

#### CROWN

- C1 60.49° 029-069-109 Cut as close as possible to P2, they should almost touch after polish.
- C2 78.07° 005-045-085 Cut to meet C1,G1. Be careful not to overcut.
- C3 71.61° 001-041-081 Meet C1,C2.
- C4 57.89° 037-077-117 Meet C2,C3
- C5 55.09° 038-078-118 Meet C2,C4.

Intended for medium toned material and to have a table facet cut on the end to be blind hole drilled, but it should be able to accept a conical cap instead.

C:\Users\Shifter55\Documents\Files\My Gem Designs\Designs\Own Designs\Briolette\DarkCrystal.gem