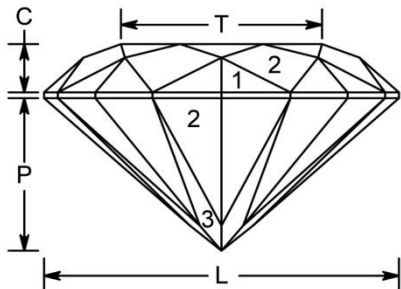
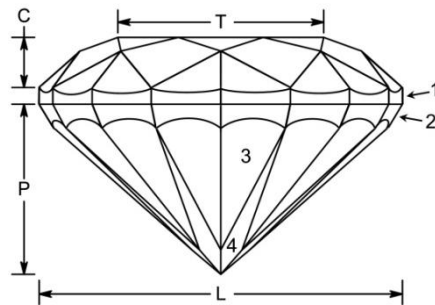
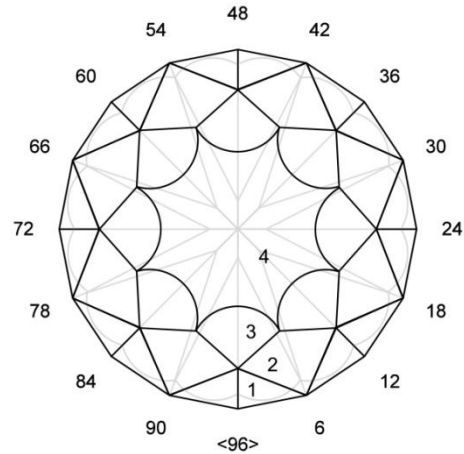
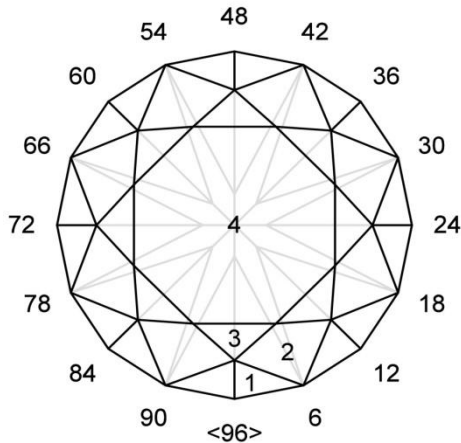


Concave Conversion and Comparison

– Dalan Hargrave



Standard Round Brilliant 12mm

Angles for R.I. = 1.540
 57 + 16 girdles = 73 facets
 8-fold, mirror-image symmetry
 96 index **Note:** Any size gem.

PAVILION

- 1 90.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93
- 2 42.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93
- 3 41.00° 06-18-30-42-54-66-78-90

CROWN

- 1 42.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93
- 2 35.00° 06-18-30-42-54-66-78-90
- 3 19.00° 96-12-24-36-48-60-72-84
- 4 0.00° Table

Concave Round Brilliant (CRB) 12mm

Angles for R.I. = 1.540
 73 + 16 girdles = 89 facets
 8-fold, mirror-image symmetry
 96 index **Note:** The 60 degree angle on the pavilion provides a level surface for setting the gemstone.

PAVILION

- 1 90.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 flat facet
- 2 60.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 flat facet
- 3 43.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 use a 13mm mandrel and cut close to girdle
- 4 41.00° 06-18-30-42-54-66-78-90 cut with 13mm mandrel

CROWN

- 1 42.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 cut with 17mm mandrel
- 2 30.00° 06-18-30-42-54-66-78-90 cut with 17mm mandrel
- 3 10.00° 96-12-24-36-48-60-72-84 cut with 17mm mandrel
- 4 0.00° Table