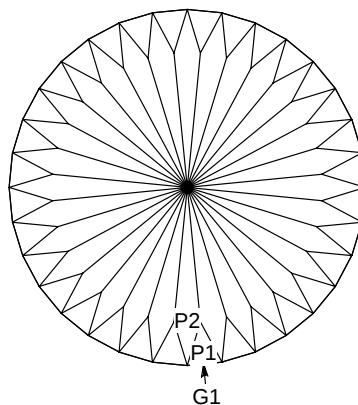
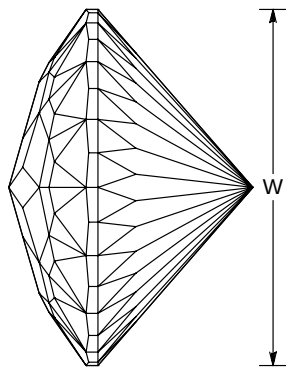
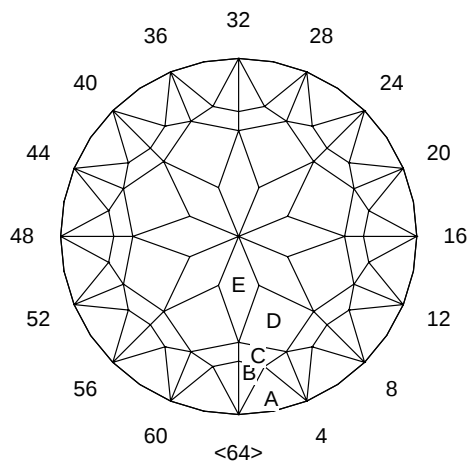




Needle Cut

by Jo Anne Sisco

from Facet Talk 79

Angles for R.I. = 1.540

144 + 32 girdles = 176 facets

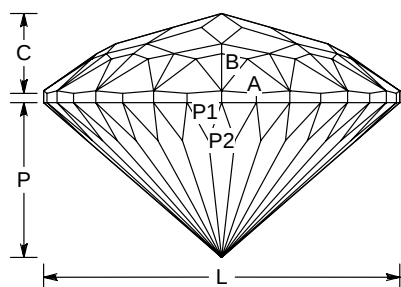
8-fold radial symmetry

64 index

L/W = 1.000

P/W = 0.435 C/W = 0.224

Vol./W³ = 0.215



PAVILION

G1	90.00°	(32 total)	facet or roll girdle
P1	42.00°	01-03-05-07-09-11-13-15-17-19-21-23-25-27-29-31-33-35-37-39-41-43-45-47-49-51-53-55-57-59-61-63	cut to TCP
P2	41.00°	64-02-04-06-08-10-12-14-16-18-20-22-24-26-28-30-32-34-36-38-40-42-44-46-48-50-52-54-56-58-60-62	meet girdle and cut to PCP

CROWN

A	37.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	level girdle
B	35.00°	01-03-05-07-09-11-13-15-17-19-21-23-25-27-29-31-33-35-37-39-41-43-45-47-49-51-53-55-57-59-61-63	meet girdle
C	28.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	meet B-A-B
D	20.00°	04-12-20-28-36-44-52-60	meet C-B-B-C
E	16.00°	64-08-16-24-32-40-48-56	meet D-C-C-D