

BugBody

by John Bailey, 2004

Angles for R.I. = 1.540

43 + 16 girdles = 59 facets

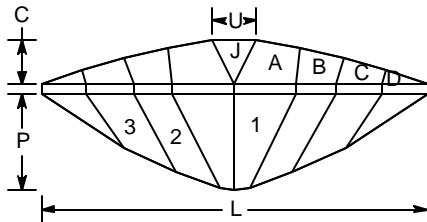
2-fold, mirror-image symmetry

96 index

$L/W = 1.995$ $T/W = 0.333$ $U/W = 0.233$

$P/W = 0.496$ $C/W = 0.227$

$Vol./W^3 = 0.470$



PREFORM

P1	35.10°	12-36-60-84	CTP
P2	40.30°	08-40-56-88	CTP
P3	42.30°	06-42-54-90	CTP
P4	45.00°	02-46-50-94	CTP
G1	90.00°	12-36-60-84	Calibrate length
G2	90.00°	08-40-56-88	Even girdle
G3	90.00°	06-42-54-90	Even girdle
G4	90.00°	02-46-50-94	Even girdle

PAVILION

1	45.00°	50-94	Cut small keel
2	43.30°	06-42-54-90	Meet 1, G4, G3
3	43.00°	08-40-56-88	Meet 2, G3, G2
4	42.80°	12-36-60-84	Meet 3, G2, G1

CROWN

A	35.80°	02-46-50-94	Set girdle thickness
B	38.50°	06-42-54-90	Even girdle
C	41.50°	08-40-56-88	Even girdle
D	50.00°	12-36-60-84	Even girdle
E	19.00°	24-72	Meet D, G1
F	16.00°	24-72	Meet C, D, E
G	13.00°	24-72	Meet B, C, F
H	10.00°	24-72	Meet A, B, G
J	34.30°	96-48	Meet A, G4
T	0.00°	Table	Meet A, J, H

For designs that use a Marquis stone as the body of a bug.

E:\Dvue2\MyGems\bugbody.gem