

Alien Pear

by John Bailey, 2016

Angles for R.I. = 1.540

58 + 15 girdles = 73 facets

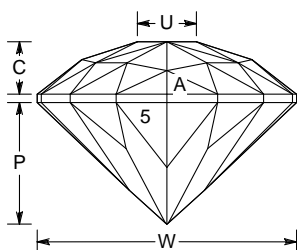
1-fold, mirror-image symmetry

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$L/W = 1.310$ $T/W = 0.275$ $U/W = 0.228$

$P/W = 0.468$ $C/W = 0.202$

$Vol./W^3 = 0.286$



PAVILION

1	45.70°	18-78	Meet Z axis
2	44.80°	23-73	Meet 1 @ Z axis
3	44.10°	14-82	Meet temp culet
4	42.60°	28-68	Meet temp culet
5	39.90°	09-87	Meet temp culet
6	39.00°	36-60	Meet temp culet
7	38.30°	44-48-52	Meet temp culet
G1	90.00°	09-87	Establish point of pear
G2	90.00°	14-82	Even Girdle
G3	90.00°	18-78	Even Girdle
G4	90.00°	23-73	Even Girdle
G5	90.00°	28-68	Even Girdle
G6	90.00°	36-60	Even Girdle
G7	90.00°	44-48-52	Even Girdle
8	43.00°	15-81	Meet 1, 3, Girdle
9	42.60°	25-71	Meet 2, 4, Girdle
10	39.70°	11-85	Meet 2, 5, Girdle
11	37.20°	40-56	Meet 6,7, Girdle

CROWN

A	39.90°	09-87	Establish Girdle width
B	36.00°	14-82	Even Girdle
C	36.00°	18-78	Even Girdle
D	38.10°	23-73	Even Girdle
E	37.10°	28-68	Even Girdle
F	32.90°	36-60	Even Girdle
G	33.00°	44-52	Even Girdle
H	29.80°	48	Even Girdle
J	33.30°	12-84	Meet A, B, Girdle
K	33.30°	16-80	Meet B, C, Girdle
L	33.30°	20-76	Meet C, D, Girdle
M	29.80°	32-64	Meet E, F, Girdle
N	20.00°	31-65	Meet F, G, H, M, N, and D, E, L, M
P	18.50°	19-77	Meet D, E, L, M, N
Q	17.20°	09-87	Meet A, J and B, J, K
R	18.70°	16-80	Meet C, L, P and B, J, K
S	17.60°	18-78	Meet C, K, L, P, R and N, P
U	13.60°	48	Meet F, G, H, M, N, and N, P, S
T	0.00°	Table	Table

Good for Quartz through YAG.

Create a center point prior to cutting CAM.

E:\Dvue2\TestStones\PearTests\AlienPear.gem