

Jack of Hearts

by John Bailey, 2007

Angles for R.I. = 1.540

61 + 15 girdles = 76 facets

1-fold, mirror-image symmetry

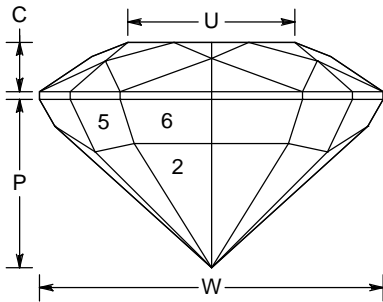
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$L/W = 1.014$ $T/W = 0.513$ $U/W = 0.485$

$P/W = 0.491$ $C/W = 0.144$

$(G3\ G5)/W = 0.983$

$Vol./W^3 = 0.222$



PAVILION

1	43.00°	13-21-28-30-34-38-43-53-58-62-66-68-75-83	CTP
2	42.10°	10-86	Meet Culet
G1	90.00°	10-86	Begin Girdle
G2	90.00°	14-82	Meet 1, 2, G1
G3	90.00°	18-78	Meet 1, 1, G2
G4	90.00°	24-72	Meet 1, 1, G3
G5	90.00°	30-66	Meet 1, 1, G4
G6	90.00°	36-60	Meet 1, 1, G5
G7	90.00°	42-54	Meet 1, 1, G6
G8	90.00°	48	Meet 1, 1, G7
3	60.00°	24-72	Meet 1, Girdle
4	62.20°	18-78	Level Girdle
5	62.60°	14-82	Level Girdle
6	61.40°	10-86	Level Girdle
7	60.00°	36-60	Meet 1, 1, Girdle
8	61.90°	42-54	Level Girdle
9	64.70°	48	Level Girdle

CROWN

A	37.80°	10-86	Locate Girdle
B	37.80°	14-82	Even Girdle
C	37.80°	18-78	Even Girdle
D	33.50°	24-72	Even Girdle
E	34.70°	30-66	Even Girdle
F	32.90°	36-60	Even Girdle
G	33.50°	42-54	
H	47.00°	48	Even Girdle
J	32.00°	12-84	Meet A, B, Girdle
K	29.80°	21-75	Meet C, D, Girdle
L	29.40°	39-57	Meet F, G, Girdle
M	34.00°	45-51	Meet G, H, Girdle
N	25.30°	42-54	Meet G, L, M
P	22.00°	16-80	
Q	17.00°	28-68	Meet D, E, F, K, L
R	16.70°	06-90	Meet A, J
T	0.00°	Table	Table

COS = 71.6

E:\Dvue2\MyGems\JackOfHearts.gem