

Arrow Heart by Shifter55

Angles for R.I. = 1.520

71 + 17 girdles = 88 facets

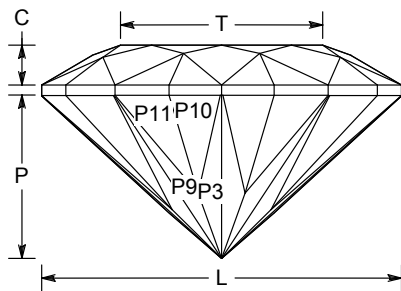
1-fold, mirror-image symmetry

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$L/W = 1.005$ $T/W = 0.564$ $U/W = 0.556$

$P/W = 0.456$ $C/W = 0.111$

$Vol./W^3 = 0.193$



PAVILION

P1	42.16°	22-74	Cut to CTP
P2	42.72°	20-76	Cut to CTP, Defines stone width with P1
P3	41.63°	05-91	Cut to CTP, Defines stone length
P4	41.52°	35-61	Cut to CTP, Defines upper lobe arc
P5	41.40°	33-63	Cut to CTP
P6	43.02°	44-52	Cut to CTP, Defines top length
P7	43.61°	46-50	Cut to CTP
P8	44.27°	13-83	Cut to CTP, Defines lower lobe arc
P9	43.90°	11-85	Cut to CTP
P10	44.03°	07-89	Meet P3,P3. Girdle Facet sequence
P11	44.94°	09-87	Meet P3,P9
P12	45.05°	14-82	Meet P8,P11
P13	44.32°	18-78	Meet P2,P12
P14	42.93°	25-71	Meet P1,13
P15	42.29°	31-65	Meet P1,P14
P16	42.63°	37-59	Meet P5,P15
P17	43.43°	42-54	Meet P6,P16
P18	45.36°	48	Meet P6,P17
G1	90.00°	48	Level Girdle
G2	90.00°	42-54	
G3	90.00°	37-59	
G4	90.00°	31-65	
G5	90.00°	25-71	
G6	90.00°	18-78	
G7	90.00°	14-82	
G8	90.00°	09-87	
G9	90.00°	07-89	

CROWN

C1	36.00°	48	Level Girdle. Girdle facet sequence
C2	33.68°	42-54	
C3	34.19°	37-59	
C4	29.81°	31-65	
C5	31.87°	25-71	
C6	32.11°	18-78	
C7	31.33°	14-82	
C8	34.47°	09-87	
C9	33.69°	07-89	
C10	23.82°	96	Meet C8,C9
C11	28.70°	13-83	Meet C7,C8
C12	27.27°	21-75	Meet C6,C7
C13	28.10°	32-64	Meet C4,C5
C14	29.45°	45-51	Meet C2,C3
C15	13.11°	08-88	Meet C8,C9
C16	21.22°	16-80	Meet C6,C7
C17	16.95°	26-70	Meet C4,C5
C18	16.05°	38-58	Meet C2,C3
Table	0.00°	Table	Meet C10, C11, C12, C13
C19	21.63°	48	Meet C1. Takes up slack from other facets so don't overcut.

A heart for large feldspar, based on a modernised version of Robert Long's Highlight Heart.

Large tier numbers and rounding error issues make this more suited to an advanced cutter familiar with experience using a cheater, but it will perform well in most material available to a faceter.

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