US00D6578380B1 Hexagonal Brilliant Cut Diamond

By Seymour Pluchenik for Diaco New York, expired US patent design, Jun 20
Angles for R.I. = 1.760
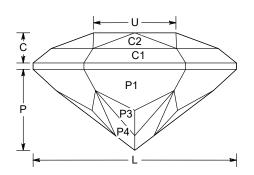43 + 6 girdles = 49 facets
6-fold, mirror-image symmetry
96 index
L/W = 1.155 T/W = 0.540 U/W = 0.467
P/W = 0.459 C/W = 0.171
Vol./W³ = 0.272

PAVILION

P1	46.66°	96-16-32-48-64-80	Cut to TCP
P2	90.00°	96-16-32-48-64-80	Establish width
P3	43.03°	01-15-17-31-33-47-49-63-65-79-81-95	No meet. Cut to diagram
P4	37.23°	08-24-40-56-72-88	Meet P1, P3

CROWN

C1	42.63°	96-16-32-48-64-80	Establish girdle
C2	32.35°	96-16-32-48-64-80	No meet. Cut to diagram
C3	20.36°	08-24-40-56-72-88	Meet C1, C2
T	0.00°	Table	Meet C2, C3

Diamond design, angles for sapphire. Patent period (14 years) has expired.
Design is effective and easy to cut.
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