

Ultratec Competition Stone

by Ruth Aiken, copyright 1975

Used in first Ultratec Trophy Contest

in San Jose Faceter's Fair, crown angles changed

Angles for R.I. = 1.540

177 + 16 girdles = 193 facets

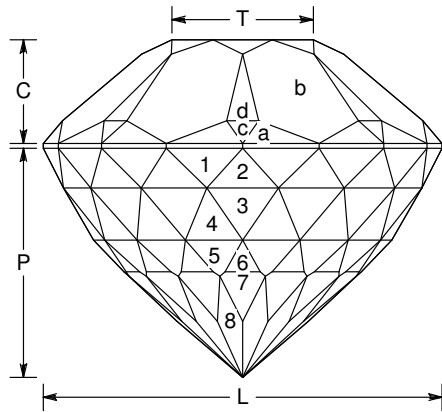
16-fold, mirror-image symmetry

64 index

L/W = 1.000 T/W = 0.354 U/W = 0.354

P/W = 0.573 C/W = 0.259

Vol./W³ = 0.310



PAVILION

g	90.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	set stone's size
1	72.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	establish girdle line in stone
2	63.00°	64-04-08-12-16-20-24-28-32-36-40-44-48-52-56-60	GMP g, 1, 1, g
3	60.00°	64-04-08-12-16-20-24-28-32-36-40-44-48-52-56-60	MP 2, 1, 2,
4	55.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	MP 3, 2, 1, 2, 3
5	50.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	MP 4, 3, 4
6	46.00°	64-04-08-12-16-20-24-28-32-36-40-44-48-52-56-60	MP 5, 4, 4, 5
7	43.00°	64-04-08-12-16-20-24-28-32-36-40-44-48-52-56-60	MP 6, 5, 6
8	41.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	PCP MP 7, 6, 5, 6, 7

CROWN

a	54.89°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	set girdle width
b	40.00°	04-12-20-28-36-44-52-60	GMP g, a, a, g
c	49.38°	64-08-16-24-32-40-48-56	MP g, a, a, g
d	40.05°	64-08-16-24-32-40-48-56	MP b, a, c
e	25.00°	64-08-16-24-32-40-48-56	MP b, d, b
T	0.00°	Table	MP e, b, e

50 7/8 on 2-6-10-14 etc., Original crown angles

40 on 8-16-24 etc.

49 3/8 on 4-12-20 etc.

29 1/2 on 4-12-20 didn't cut to the sketch

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