

Table SB-60 STANDARD BRILLIANT CROWN ...60 PERCENT TABLE

Angle Code	MAIN CROWN ANGLE											
	10.0	15.0	20.0	25.0	30.0	35.0	36.0	37.0	38.0	39.0	40.0	45.0
C-1	12.6	18.7	24.8	30.6	36.2	41.6	42.6	43.7	44.7	45.7	46.7	51.7
C-2	10.0	15.0	20.0	25.0	30.0	35.0	36.0	37.0	38.0	39.0	40.0	45.0
C-3	5.0	7.6	10.3	13.1	16.1	19.2	19.9	20.6	21.3	22.0	22.7	26.5
C-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H	3.5	5.4	7.3	9.3	11.5	14.0	14.5	15.1	15.6	16.2	16.8	20.0

Table SB-66 STANDARD BRILLIANT CROWN ...66 PERCENT TABLE

Angle Code	MAIN CROWN ANGLE											
	10.0	15.0	20.0	25.0	30.0	35.0	36.0	37.0	38.0	39.0	40.0	45.0
C-1	13.2	19.6	25.9	31.8	37.6	43.0	44.1	45.1	46.1	47.2	48.2	53.1
C-2	10.0	15.0	20.0	25.0	30.0	35.0	36.0	37.0	38.0	39.0	40.0	45.0
C-3	4.2	6.4	8.7	11.0	13.6	16.3	16.9	17.5	18.1	18.7	19.3	22.7
C-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H	3.0	4.6	6.2	7.9	9.8	11.9	12.4	12.8	13.3	13.8	14.3	17.0

Table SB-70 STANDARD BRILLIANT CROWN ...70 PERCENT TABLE

Angle Code	MAIN CROWN ANGLE											
	10.0	15.0	20.0	25.0	30.0	35.0	36.0	37.0	38.0	39.0	40.0	45.0
C-1	13.8	20.5	26.9	33.0	38.8	44.3	45.3	46.4	47.4	48.4	49.4	54.3
C-2	10.0	15.0	20.0	25.0	30.0	35.0	36.0	37.0	38.0	39.0	40.0	45.0
C-3	3.6	5.5	7.4	9.5	11.6	14.0	14.5	15.1	15.6	16.1	16.7	19.7
C-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H	2.6	4.0	5.5	7.0	8.7	10.5	10.9	11.3	11.7	12.1	12.6	15.0

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A discussion of tangent ratio facet angle translation is in two recent publications (Steele, N.W.; SEATTLE FACETOR DESIGN, November 1978 and Steele, N.W.; FACETS, January 1979, p 3). Although the Tables presented here were actually derived from the special equations (1), (2), and (3) they could have been obtained by making calculations for each separate "Table Fraction" and then using the Tangent Ratio relationship for other combinations with different "Mains".

Height of the crown will be a function of both (C) and (T), but is not different for "Standard Star" or "C-15". A glance at the sketches should confirm that height is greater as the table fraction (T) is made smaller or the main angle (C) is made steeper.