

Table SB-1 STANDARD BRILLIANT CROWN CUTTING PLAN FOR 64 INDEX

Angle Code	BEARING	NOTES
C-1	62 - 58 - 54 - 50 - 46 - 42 - 38 - 34 30 - 26 - 22 - 18 - 14 - 10 - 06 - 02	These are the "Break" facets
C-2	64 - 56 - 48 - 40 - 32 - 24 - 16 - 08	These are the "Main" facets
C-3	60 - 52 - 44 - 36 - 28 - 10 - 12 - 04	These are the "Star" facets
C-4	Any setting	This is the "Table" facet

Other tables which follow give the actual elevation angles corresponding to the chosen "Main Crown Angle". For example in Table SB-50, if we want to have a 50 percent table with a 37.0 degree main we would use the angles shown in the "37.0" column e.g. C-1 = 42.0 , C-2 = 37.0 , C-3 = 24.6 , C-4 = 0.0 and the crown height would be 18.8 percent of the major diameter measured from point where the breaks meet at the girdle.

Table SB-25 STANDARD BRILLIANT CROWN ...25 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	11.0	12.1	21.9	27.3	32.6	37.8	38.8	39.8	40.8	41.9	42.9	47.9
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	8.0	12.1	16.2	20.5	24.8	29.3	30.2	31.1	32.0	33.0	33.9	38.7
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	6.6	10.0	13.6	17.5	21.7	26.3	27.2	28.3	29.3	30.4	31.5	37.5

Table SB-50 STANDARD BRILLIANT CROWN ...50 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	11.9	17.8	23.5	29.1	34.6	39.9	41.0	42.0	43.1	44.1	45.1	50.1
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	6.1	9.3	12.5	15.8	19.4	23.1	23.9	24.6	25.4	26.2	27.1	31.3
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	4.4	6.7	9.1	11.7	14.4	17.5	18.2	18.8	19.5	20.2	21.0	25.0

Table SB-56 STANDARD BRILLIANT CROWN ...56 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	12.3	18.3	24.2	30.0	35.5	40.8	41.9	42.9	44.0	45.0	46.0	51.0
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	5.5	8.3	11.2	14.1	17.5	20.9	21.6	22.4	23.1	23.8	24.6	28.6
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	3.9	5.9	8.0	10.1	12.7	15.4	16.0	16.6	17.2	17.8	18.5	22.0