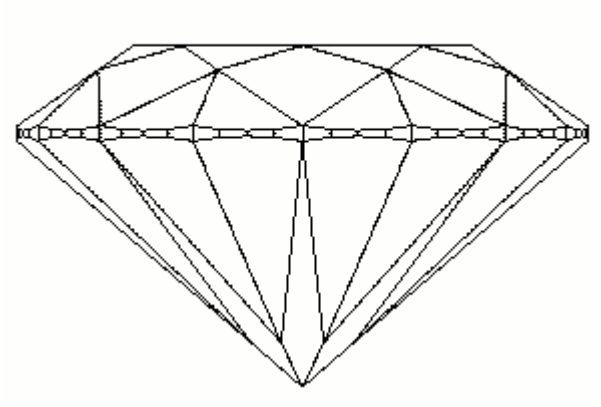# Crown Height

> ℹ️ This parameter is applicable to all cuts, though the number of individual values may vary.

The crown height is measured using main crown facets. It is measured for each main facet and then the average, minimum, maximum and deviation values are calculated. HPOxygen finds the highest vertex of the whole model (it is one of the vertices of the table) and the lowest vertex of each main facet.

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Calculation

Search for "crown height" in Stone Heights Calculation.

Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
All full reports	Main Parameters	Avg, Min, Max, Dev	%(diameter), mm	`CROWN_HEIGHT_PC_AVG, CROWN_HEIGHT_PC_MIN, CROWN_HEIGHT_PC_MAX, CROWN_HEIGHT_PC_DEV,` `CROWN_HEIGHT_MM_AVG, CROWN_HEIGHT_MM_MIN, CROWN_HEIGHT_MM_MAX, CROWN_HEIGHT_MM_DEV`	**Crown height**
	Detailed Parameters	All 8 values (round brilliant and rounded fancies) or 4 values (other cuts)	%(diameter), mm	`CROWN_HEIGHT_PC_1, ..., CROWN_HEIGHT_PC_8,` `CROWN_HEIGHT_MM_1, ..., CROWN_HEIGHT_MM_8`	

Visualization in Appraisers

Value	Units	Bookmark	Tab	Parameter Name	Comment
Avg	%(diameter)	CROWN_HEIGHT_PC_AVG	**Cut**	**CrownHeight**	
Dev	%(diameter)	CROWN_HEIGHT_PC_DEV	**Symmetry**	**CrownHeight**	Defined as the maximum difference of Crown Height measurements, i.e. the same as the deviation of Crown Height value. As all symmetry parameters, it is an estimate of a deviation from perfect symmetry and should be zero for an ideal stone.