Reference Lines Parameters
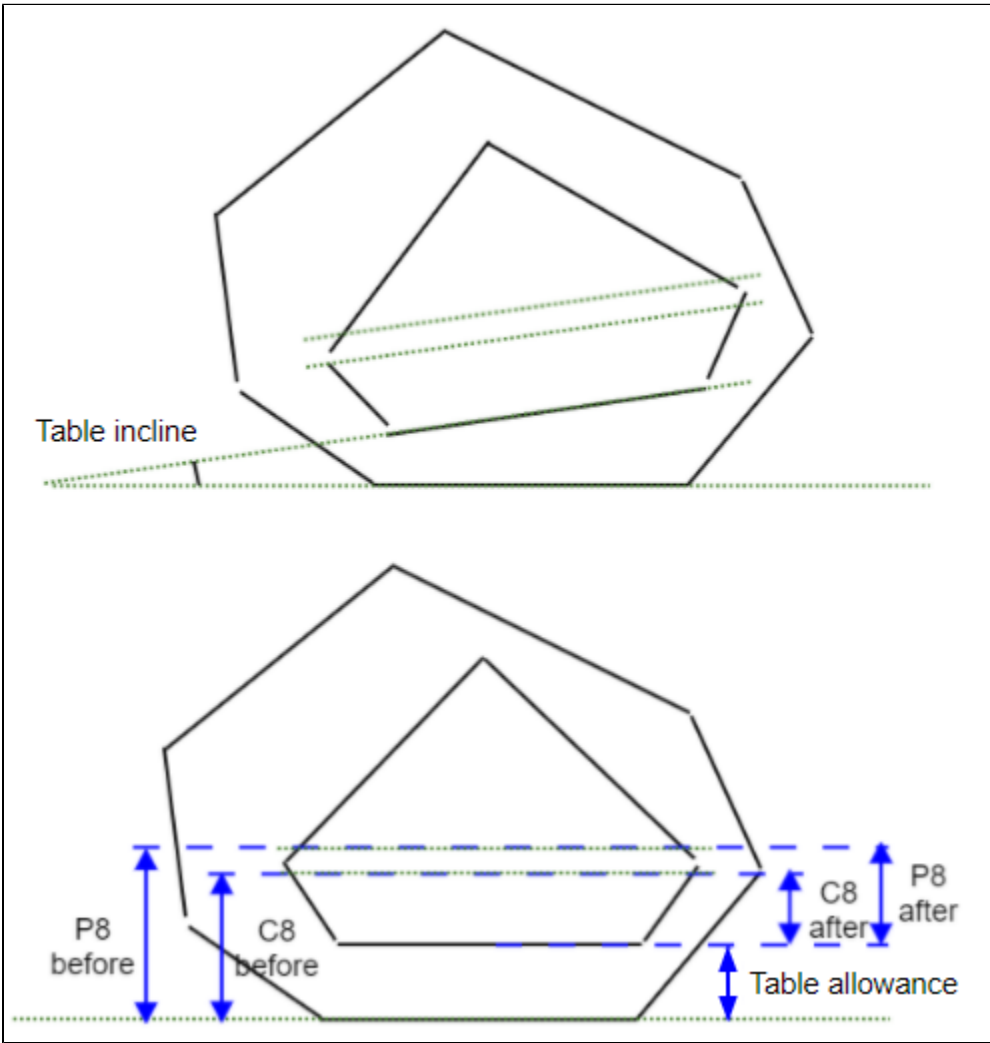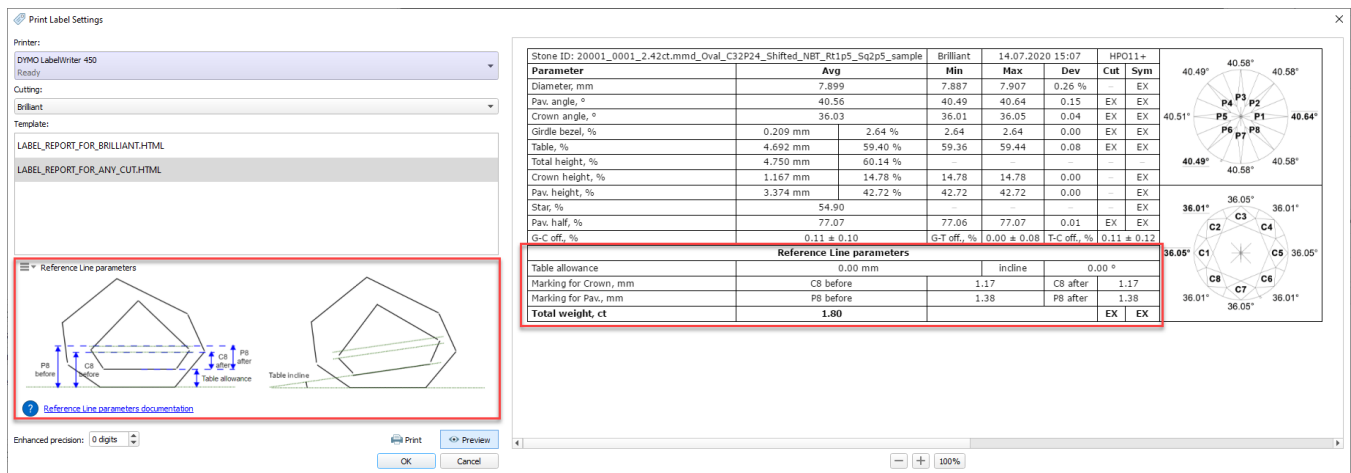
The **Print Label** report contains reference line parameters:
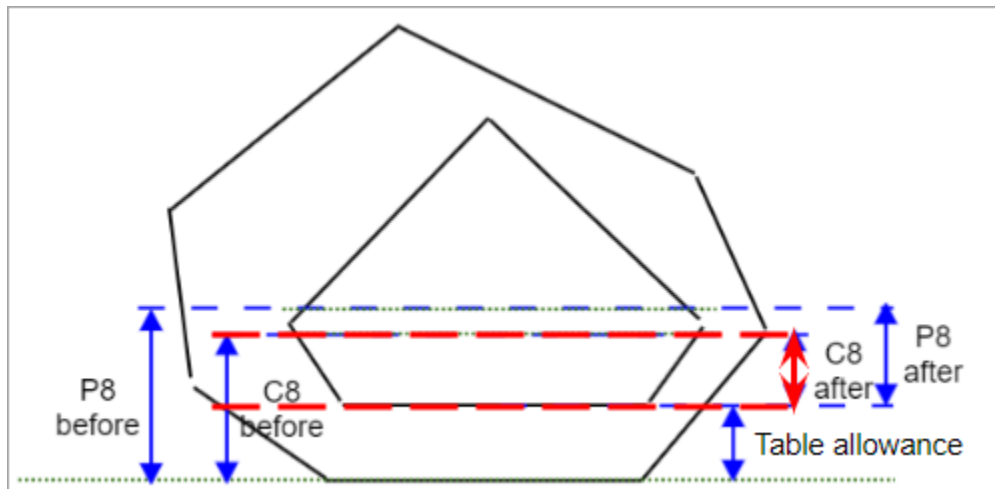

Parameter		Description	Comment
C8 before	mm	The reference line for the crown main facets before table allowance.	See the detailed description below.
C8 after	mm	The reference line for the crown main facets after table allowance.	
P8 before	mm	The reference line for the pavilion main facets before table allowance.	
P8 after	mm	The reference line for the pavilion main facets after table allowance.	
Table allowance	mm	Table allowance.	
Table incline	deg.	Planned table tilt compared to the current table.	

Print Label example:

Print Label Settings

Printer:
DYMO LabelWriter 450
Ready

Cutting:
Brilliant

Template:
LABEL_REPORT_FOR_BRILLIANT.HTML
LABEL_REPORT_FOR_ANY_CUT.HTML

Reference Line parameters

P8 before   C8 before   C8 after   P8 after   Table allowance   Table incline

Reference Line parameters documentation

Enhanced precision: 0 digits

Print   Preview   OK   Cancel

Stone ID: 20001_0001_2.42ct.mmd_Oval_C32P24_Shifted_NBT_Rt1p5_Sq2p5_sample		Brilliant	14.07.2020 15:07		HPO11+		
Parameter	Avg		Min	Max	Dev	Cut	Sym
Diameter, mm	7.899		7.887	7.907	0.26 %		EX
Pav. angle, °	40.56		40.49	40.64	0.15	EX	EX
Crown angle, °	36.03		36.01	36.05	0.04	EX	EX
Girdle bezel, %	0.209 mm	2.64 %	2.64	2.64	0.00	EX	EX
Table, %	4.692 mm	59.40 %	59.36	59.44	0.08	EX	EX
Total height, %	4.750 mm	60.14 %					
Crown height, %	1.167 mm	14.78 %	14.78	14.78	0.00		EX
Pav. height, %	3.374 mm	42.72 %	42.72	42.72	0.00		EX
Star, %	54.90						EX
Pav. half, %	77.07		77.06	77.07	0.01	EX	EX
G-C off., %	0.11 ± 0.10		G-T off., %	0.00 ± 0.08	T-C off., %	0.11 ± 0.12	
Reference Line parameters							
Table allowance	0.00 mm			incline	0.00 °		
Marking for Crown, mm	C8 before		1.17	C8 after	1.17		
Marking for Pav., mm	P8 before		1.38	P8 after	1.38		
Total weight, ct	**1.80**					EX	EX

40.58°   40.49°   40.58°
P4 P3 P2
40.51°   P5 P1   40.64°
P6 P8 P7
40.49°   40.58°

36.05°
36.01°   C3   36.01°
C2   C4
36.05°   C1   C5   36.05°
C8   C6
36.01°   C7   36.01°
36.05°

100%

ⓘ This parameter is applicable to the following cuts: Brilliant

Distance between the holder plane and C8 reference line after table allowance.

Calculation

FACETING_REFERENCE_LINE_CROWN_MAINS_AFTER_TABLE = CROWN_HEIGHT_MAX_MM

Usage and Examples

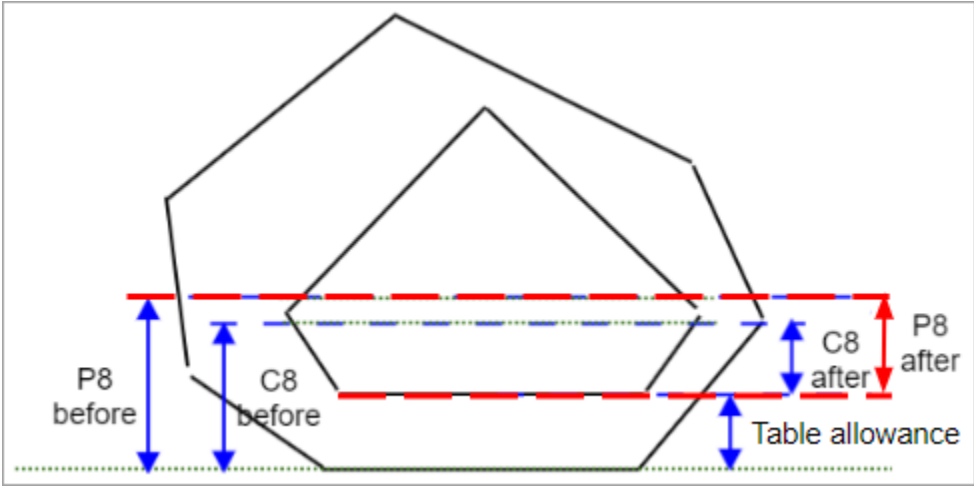C8 reference line information is used during polishing.

Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
Print Label	NA	Single value	mm	FACETING_REFERENCE_LINE_CROWN_MAINS_AFTER_TABLE	C8 after

Visualization in Appraisers

Value	Units	Bookmark	Tab	Parameter Name	Comment
NA	NA	NA	**NA**	NA	Not presented in any appraiser.

ⓘ This parameter is applicable to the following cuts: Brilliant

Distance between the holder plane and P8 reference line after table allowance.

Calculation

- Find the pavilion facet with the highest height, let us say its number is F
- Marking for Pav, mm = CROWN_HEIGHT_MM_<F> + GIRDLE_WIDE_BEZEL_MM_<F>

Usage and Examples

P8 reference line information is used during polishing.

Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
Print Label	NA	Single value	mm	FACETING_REFERENCE_LINE_PAVILION_MAINS_AFTER_TABLE (P8 after)	P8 after

Visualization in Appraisers

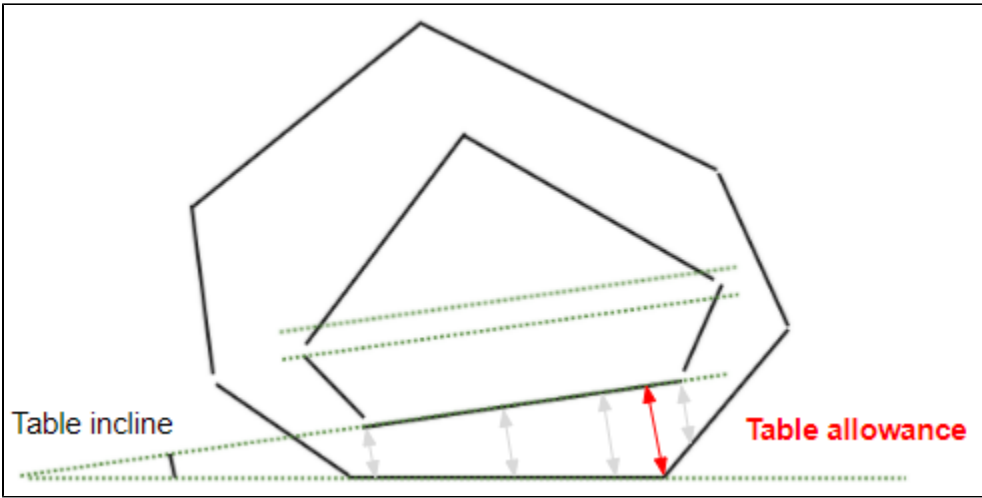| Value	Units	Bookmark	Tab	Parameter Name	Comment
NA	NA	NA	**NA**	NA	Not presented in any appraiser.

ⓘ This parameter is applicable to the following cuts: Brilliant

Table allowance.

Calculation

The maximum distance between perpendicular to the solution table plane and the facet of the current stone.

Usage and Examples
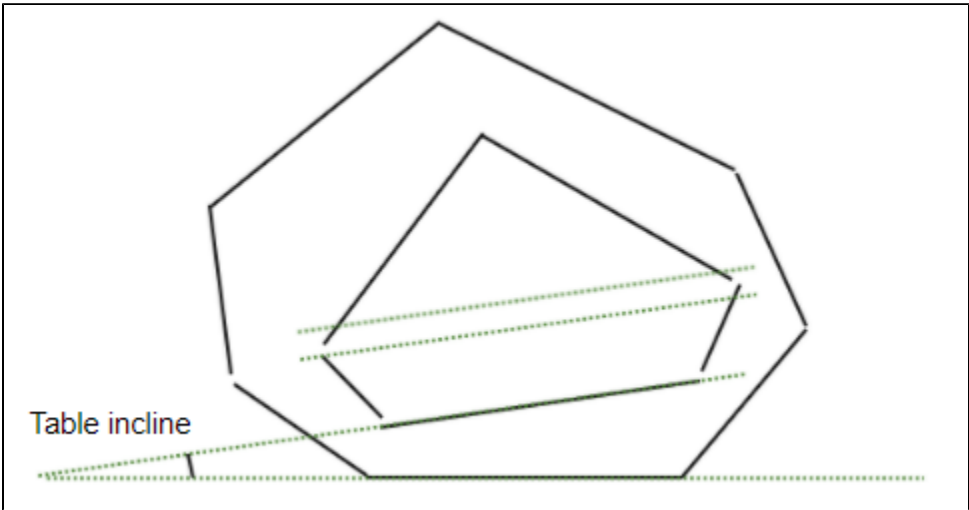
Information is used during polishing.

Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
Print Label	NA	Single value	mm	FACETING_TABLE_CUT_DEPTH	Table allowance

Visualization in Appraisers

Value	Units	Bookmark	Tab	Parameter Name	Comment
NA	NA	NA	**NA**	NA	Not presented in any appraiser.

ⓘ   This parameter is applicable to the following cuts: Brilliant

Planned table tilt compared to the holder plane.

Table incline

Calculation

NA

Usage and Examples

Information is used during polishing.

Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
Print Label		Single value	deg	FACETING_TABLE_INCLINE	Table incline

Visualization in Appraisers

Value	Units	Bookmark	Tab	Parameter Name	Comment
NA	NA	NA	**NA**	NA	Not presented in any appraiser.