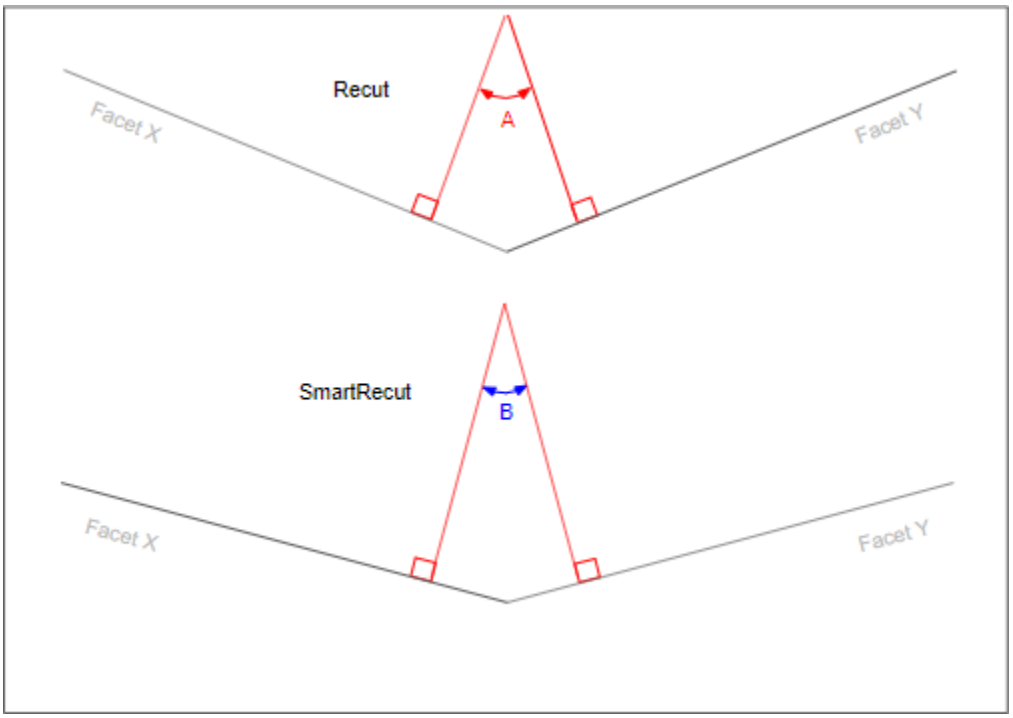
Adjacent Facets Angles

AdjacentFacetsAnglesEveryTolerance

This parameter is applicable to the following cuts: AnyCut (only when performing SmarRecut via Relative appraiser).

Defines how much (in %) the angle between normals of any neighboring facets can deviate after Smart Recut comparing to Recut.

If at least one of the neighboring facets is girdle or culet, the limitation is not applied. The girdle shape is controlled by the Girdle Shape Tolerance parameters. The culet is not taken into account.



Calculation

The parameter is set manually via preset and control the rule:

A(1+min/100) < B < A(1+max/100)

Where:

- **A** - the angle between normals of neighboring facets after Recut
- **B** - the angle between normals of neighboring facets after Smart Recut
- **min** - a left boundary in preset, should always be negative, for example, "-25"
- **max** - a right boundary in preset

Usage and Examples

If the parameter set to "-25, 50" and the angle between normals of neighboring facets after Recut (**A**) is "10°" then:

- 10(1-0.25) < **B** < 10(1+0.5)
- 7.5 < **B** < 15
- the angle between normals of the same facets after Smart Recut (**B**) should be within the interval from 7,5° to 15°.

Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
None	NA	Single value	% from the initial angle	NA	NA

Visualization in Appraisers

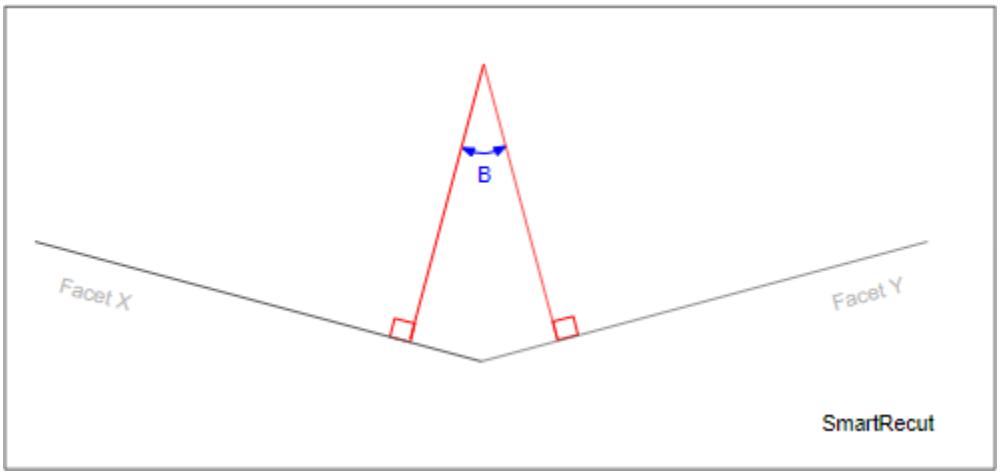
Value	Units	Bookmark	Tab	Parameter Name	Comment
Single value	% from the initial angle	NA	**Cut**	AdjacentFacetsAnglesEveryTolerance, %	Visible only when presets are displayed.

AdjacentFacetsAnglesEveryMin

This parameter is applicable to the following cuts: AnyCut (only when performing SmarRecut via Relative appraiser).

Sets limitation “not less than this value” for the angle between normals of any neighboring facets.

If at least one of the neighboring facets is girdle or culet, the limitation is not applied. The girdle shape is controlled by the Girdle Shape Tolerance parameters. The culet is not taken into account.



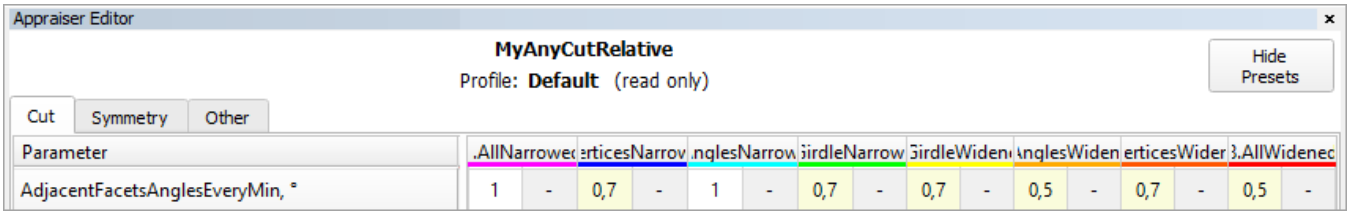
Calculation

The parameter is set manually via preset.

Usage and Examples

Should be used to avoid transforming the neighboring facets into a single plane.

The current default values are:



Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
None	NA	Single value	°	NA	NA

Visualization in Appraisers

Value	Units	Bookmark	Tab	Parameter Name	Comment
Single value	°	NA	**Cut**	AdjacentFacetsAnglesEveryMin	Visible only when presets are displayed.