## Girdle Thickness

: Girdle Valley

- Girdle Bone
- Giridle Height Correlation

Girdle bezel: 3.5\% (EX)
Girdle valley: $1.8 \%$ (EX)

 Girdie thickness is measured in 720 directions in steps of 0.5 degrees. The thickness of the girdle eny given direction is measured by inters
plane. The difference between the $Z$ coordinates of these points (along vertical axis) is the final thickness of the girdle in the given direction.
blocked URL
If there are extra facets on the girde, they may be treated in two different ways

- in case if the extra facet has less than $15^{\circ}$ deviation from the girdle (steep girdle extra facet), the extra facet is included into the girdle for the purposes of this measuremen
- more than $15^{\circ}$ (shallow girdle extra facet), the extra facet is not included.

Unlike Crown height or Pavilion depth measurements, no virtual model is used.

 cut without Extra facets.
blocked URL

## Girdle Valley

(i) This parameter is applicable to the following cuts: Round brilliant, Marquise, Oval, Pear, Heart
 egment and retains the azimuth of the found minimum.
blocked URL

Calculation
Search for "valley" in Stone Heights Calculation.

## Reporting

| Reported in | Section | Values | Units | Bookmaks | Name in Repors |
| :---: | :---: | :---: | :---: | :---: | :---: |
| All full repors | Main Parameers | Avg, Min, Max, Dev | (diameter), mm | GIRDLE_NARROW, GIRDLE_NARROW_MIN, GIRDLE_NARROW_MAX, GIRDLE_NARROW_DEV, GIRDLE_NARROW_MM, GIRDLE_NARROW_MM_MIN, GIRDLE_NARROW_MM_MAX, GIRDLE_NARROW_MM_DEV | Girdle neight valley |
|  | Detailed Parameiers | All 8 values (round brilliant and rounded fancies) or 4 values (other cuts) | \%/diameter) mm | GIRDLE_NARROW_1, ..., GIRDLE_NARROW_16, GIRDLE_NARROW_MM_1, ..., GIRDLE_NARROW_MM_16 |  |
| None |  |  |  | ! This functionality is currently available only under the following HASP keys: <br> - "Developer" HASP key <br> $: 7-30542$ |  |
|  |  |  |  | All listed with _GIA, for example GIRDLE_NARROW_MAX_GIA, GIRDLE_NARROW_15_GIA All listed with _OCT, for example GIRDLE_NARROW_MAX_OCT, GIRDLE_NARROW_15_OCT Note The GIA and OCT sets of bookmarks are explained on the Girdle Heights Calculation Methods page. |  |

Note the non-standard naming of the percentage values (no "PC" in the name).

## Visualization in Appraiser



## Girdle Bezel

(i) This parameter is applicable to all cuts, though the number of individual values may vary.

The minimal values of girdle thickness (the locations of girdle valley measurements) break the girdle into areas which contain thickness maximums (bezel and bone). HPOxygen searches for the maximum of the girdle thickness within each area and retains the azimuth of the found maximum. blocked URL
For each type of girdle thickness, the average, minimum, maximum and deviation of corresponding values are calculated.

## Calculation

Search for "bezel" in Stone Heights Calculation
Reporting

| Reported in | Section | Values | Units | Bookmars | Name in R |
| :---: | :---: | :---: | :---: | :---: | :---: |
| All full repors | Main Paramears | Avg, Min, Max, Dev | \%(diameler), mm | GIRDLE_WIDE_BEZEL, GIRDLE_WIDE BEZEL_MIN, GIRDLE_WIDE_BEZEL_MAX, GIRDLE_WIDE_BEZEL_DEV, GIRDLE_WIDE_BEZEL_MM, GIRDLE_WIDE_BEZEL_MM_MIN, GIRDLE_WIDE_BEZEL_MM_MAX, GIRDLE_WIDE_BEZEL_MM_DEV | Girdle eieght bezel |
|  | Deatiled Parameters | All 8 values (round briliiant and rounded fancies) or 4 values (other cuts) | \%(diameler), mm | GiRDL WIIE BEZE- |  |
| None |  |  |  | ! This functionality is currently available only under the following HASP keys: <br> - "Developer" HASP key <br> $: 7-30542$ |  |
|  |  |  |  | All listed with _GIA, for example GIRDLE_WIDE_BEZEL_MAX_GIA, GIRDLE_WIDE_BEZEL_6_GIA All listed with _OCT, for example GIRDLE_WIDE_BEZEL_MAX_OCT, GIRDLE_WIDE_BEZEL_6_OCT |  |

## Visualization in Appraiser



## Girdle Bone

(i) This parameter is applicable to the following cuts: Round brilliant, Marquise, Oval, Pear, Heart, Princess.

The minimal values of girdle thickness (the locations of girdle valley measurements) break the girdle into areas which contain thickness maximums (bezel and bone). HPOxygen searches for the maximum of the girdle thickness within each area and retains the azimuth of the found maximum. blocked URL
For each type of girdle thickness, the average, minimum, maximum and deviation of corresponding values are calculated.
Calculation
Search for "bone" in Stone Heights Calculation.
Reporting

| Reported in | Section | Values | Units | Bookm | ors |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Full Report for Brilliant Full Report for Rounded $\qquad$ report for Princess | Main Parameiers | Avg, Min, | \%(diameter), mm | GIRDLE_WIDE_BONE, GIRDLE_WIDE_BONE_MIN, GIRDLE_WIDE_BONE_MAX, GIRDLE_WIDE_BONE_DEV, GIRDLE_WIDE_BONE_MM, GIRDLE_WIDE_BONE_MM_MIN, GIRDLE_WIDE_BONE_MM_MAX, GIRDLE_WIDE_BONE_MM_DEV | Girdele neight bone |
|  | Detalied Parameters | All 8 values | \%diameter, mm | GIRDLE_WIDE_BONE_1, ..., GIRDLE_WIDE_BONE_8, GIRDLE_WIDE_BONE_MM_1, ..., GIRDLE_WIDE_BONE_MM_8 |  |
| None |  |  |  | ! This functionality is currently available only under the following HASP keys: <br> - "Developer" HASP key <br> - 7-30542 |  |
|  |  |  |  |  All lised wit _OCT, tor example GiRDL_ WIDE_BONE_MIN_OCT, GIRDL__WIDE_BONE___OCT Note The GIA and OCT sels of booknaks are explained on the Giride Heghts Caluation Methods page |  |

## Visualization in Appraisers



## Girdle Height Correlation

Alias: GirdleHeightCorrelation
(i) This parameter is applicable to the Oval cut.

The maximum difference between the bezel and bone heights. The parameter shows how well a Girdle is leveled in the areas of bezel and bone: the less the value is, the greater the leveling


Calculation
 Girdle bezels - minimum, then calculate the difference between this maximum and minimum. This is the second number. Then we take maximum from these two numbers. This is our parameter.



In User Interface $\operatorname{MAX}($ MAX(Girdle bezel height)-MIN(Girdle bone height), MAX(Girdle bone height)-MIN(Girdle bezel height))
Recut > Appraiser = "MyOvalOpt | MyOval" or "MyOvalPlus | MyOvalPerformanceWare > Show Editor > the Symmetry tab.


Reporting

| Reported in | Section | Values | Units | Bookmarks |
| :--- | :--- | :--- | :--- | :--- |
| Full Report for Rounded Fancies | Main Parameers | Avg | \%(diameter) | GiRDLE_HEIGHT_CORRELATION |

