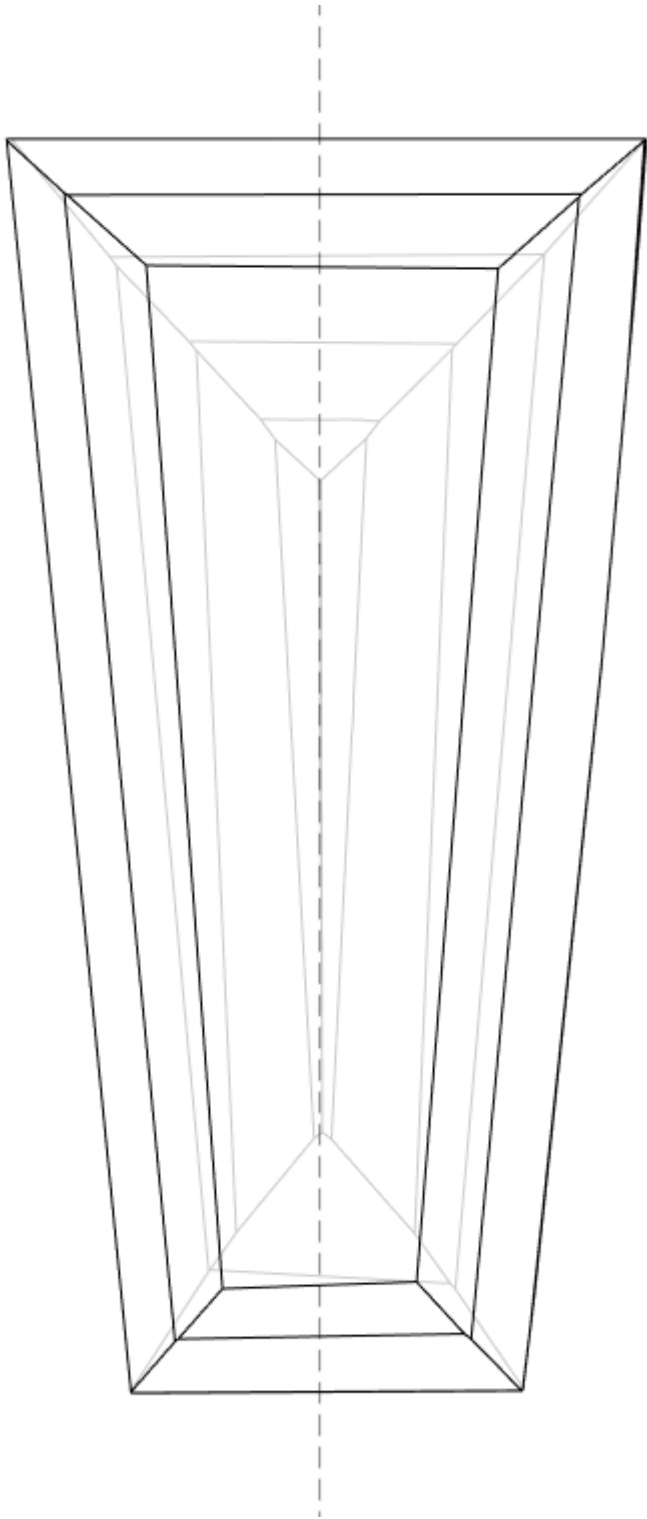


Trapezoid Length, Width and some other parameters calculation

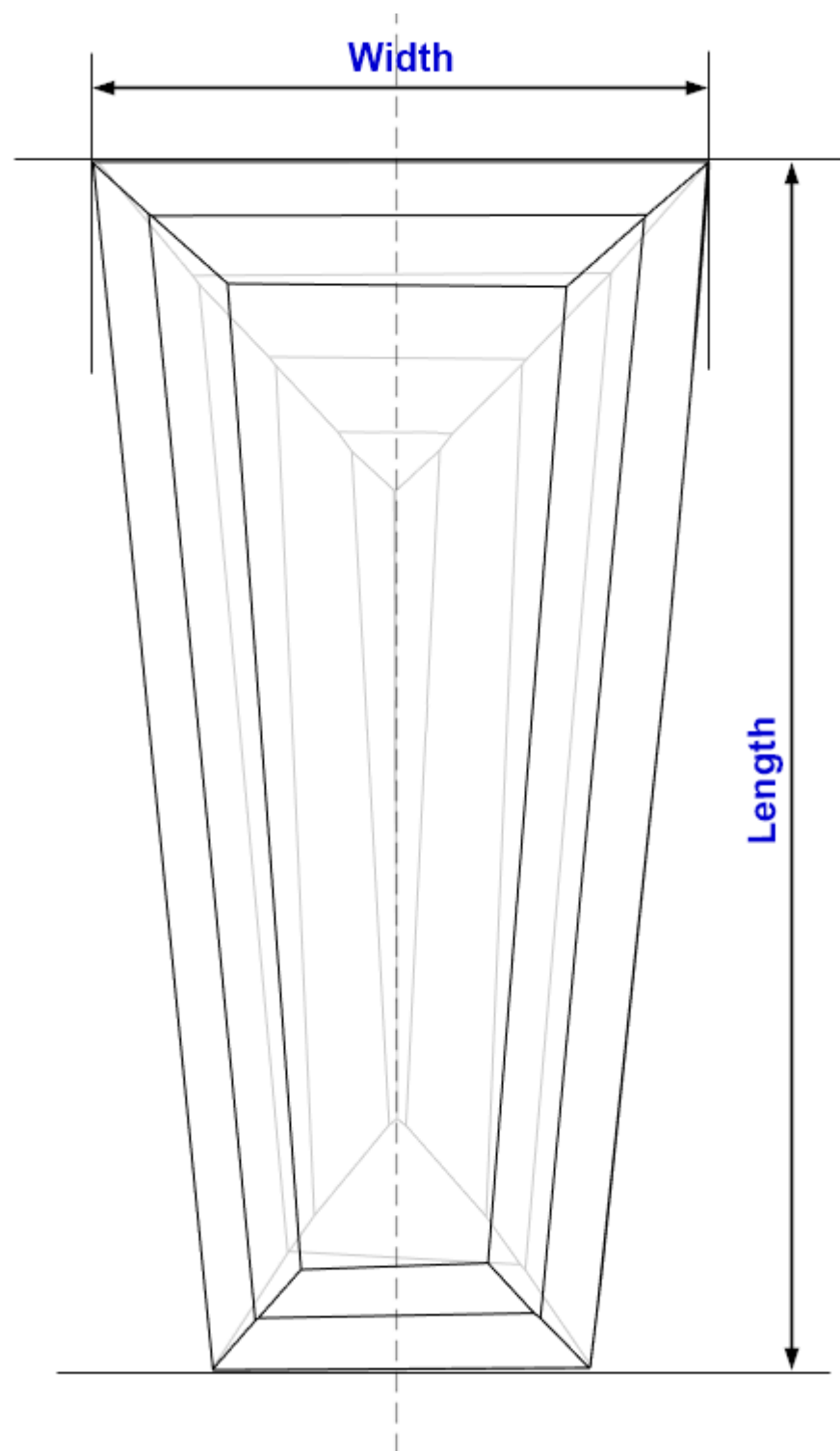
Report orientation

Trapezoid model is orientated in report basis in such way that symmetry axis is vertical and most wide width side is located on top (but not obligatory horizontal):



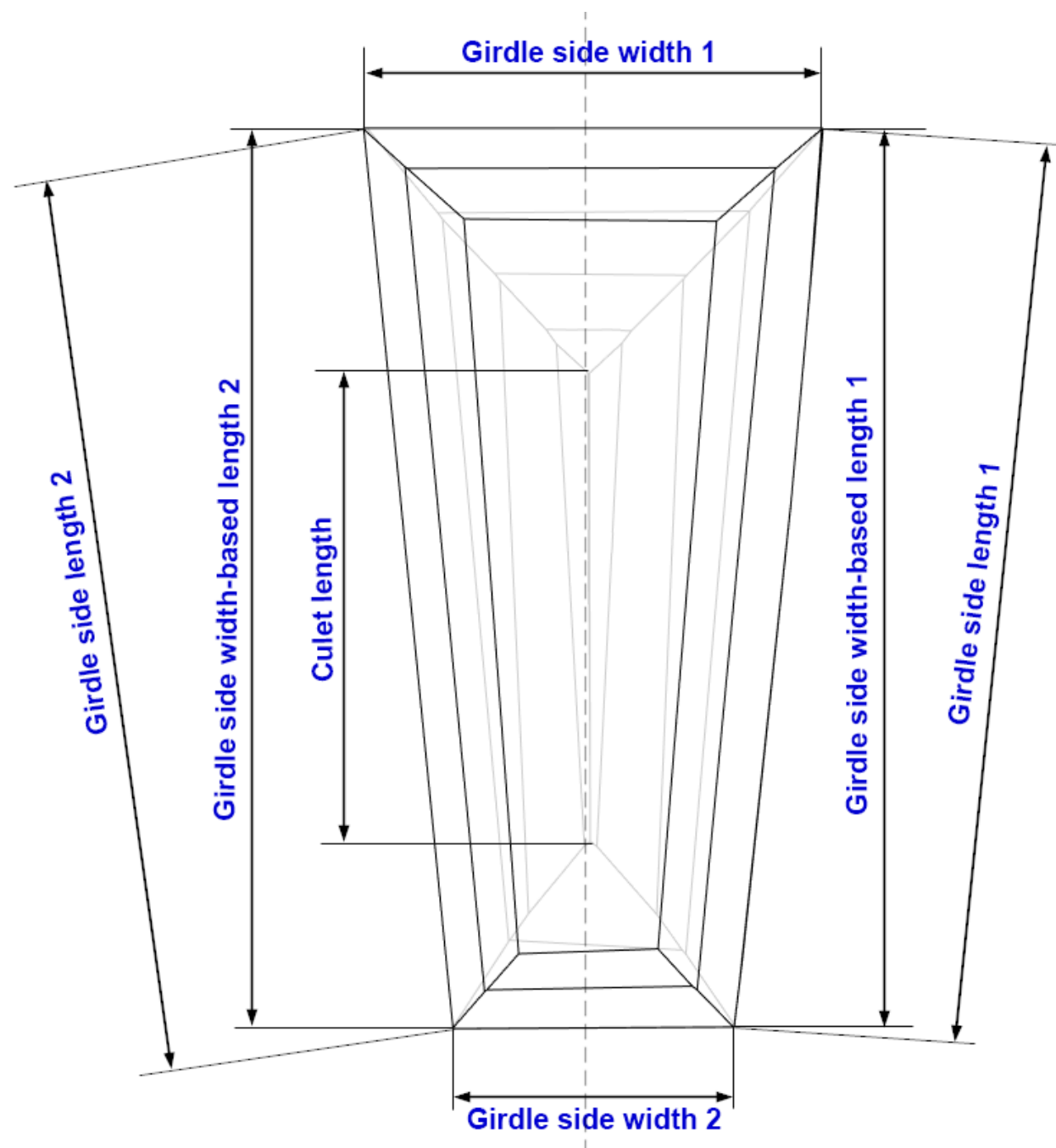
Length and width measurement

Length is measurement as local diameter minimum parallel to axis symmetry direction (+/-10 degrees). Width is measurement as local diameter maximum perpendicular to axis symmetry direction (+/-5 degrees):



Girdle width \ length and culet length

- **Girdle side width** - widths of narrow Girdle facets
- **Girdle side length** - lengths of long Girdle facets
- **Girdle side width-based length** - lengths of Girdle side along the normal to the largest Girdle side width
- **Culet length** - Culet length on the projection into the girdle plane



The parameters output into report with the follow bookmark names:

1. Girdle side width 1 - GIRDLE_SIDE_WIDTH_MM_1
2. Girdle side width 2 - GIRDLE_SIDE_WIDTH_MM_2
3. Girdle side width 1 - GIRDLE_SIDE_WIDTH_PC_1
4. Girdle side width 2 - GIRDLE_SIDE_WIDTH_PC_2
5. Girdle side length 1 - GIRDLE_SIDE_LENGTH_MM_1
6. Girdle side length 2 - GIRDLE_SIDE_LENGTH_MM_2
7. Girdle side length 1 - GIRDLE_SIDE_LENGTH_PC_1
8. Girdle side length 2 - GIRDLE_SIDE_LENGTH_PC_2
9. Girdle side width-based length 1 - GIRDLE_SIDE_WIDTH_BASED_LENGTH_MM_1
10. Girdle side width-based length 2 - GIRDLE_SIDE_WIDTH_BASED_LENGTH_MM_2
11. Girdle side width-based length 1 - GIRDLE_SIDE_WIDTH_BASED_LENGTH_PC_1
12. Girdle side width-based length 2 - GIRDLE_SIDE_WIDTH_BASED_LENGTH_PC_2
13. Culet length - CULET_LENGTH_MM
14. Culet length - CULET_LENGTH_WISE_PC