

# Technical documentation for Star tool Inkscape

## 1. Conceptual document


The star tool enables stars and regular polygons to be drawn easily in the document.

You can open the tool with click on the Toolbox icon:  or press Shift+8.

There is Tool Controls bar at the top of the screen:



### 1.1 New:

The icon:  allows to use the Regular Polygon Mode.

The icon:  allows to use the Star Mode.

The shape, made by Regular Polygon Mode has no spokes. You can modify the size and orientation of the figure due to a handle. In Star mode there are two handles. One of the handles allowing modification of size and orientation of the figure. The other handle allows modification of the shapes and sizes.

### 1.2 Corners:

You can set the number of the corners via the Corners text field.

### 1.3 Spoke ratio:

Only accessible in Star Mode, it allows you to define the ratio of spoke length between the star core and its spoke tips. This parameter range is from 0.0 to 1.0.

### 1.4 Rounded:

This box allows you to round the corners of the shape in both Modes. The range is from -10.0 to 10.0. You can press Shift and drag either handle to modify the rounding of the shape.

### 1.5 Randomized:



The Randomized option displaces the inner and outer points of the spokes to random coordinates around the center of the star. The range value runs again from -10.0 to 10.0.

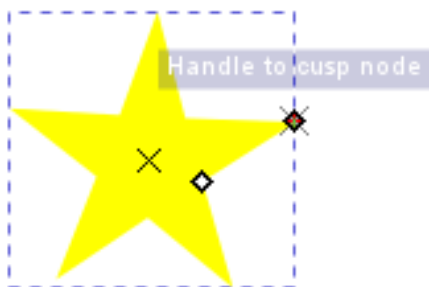
### 1.6 Examples:



## 2. How to use the Star tool in Inkscape to create a star from the European union flag.

Consecutive steps used in making and adjusting the shape and location of the star in the flag.

1. Draw a blue square for the flag.
2. After you draw the square, click on the star icon  from the Toolbox options.
3. Drag to the main page to create a random shape.
4. Choose the Star mode icon  from Tool controls.
5. Set in the Ratio text field 5.
6. Set the Spoke ratio to 0.475 for better shape.
7. Modify the orientation of the star through the handle.



8. Change the color of the star to “yellow” thanks to the Color bar in the bottom of the screen.



9. Click on “Select and transform objects” icon



10. Now you can change the coordinates, width and height of the star due to the Options in the upper part of the screen.



11. Set the coordinates to X: 75.000 and Y: 5.000
12. Use the “W:” and “H:” text field to change the width and height of the figure. Set them to 20.000.
13. Go to the star, click the right button of the mouse and select “Duplicate”
14. Click on the star and drag the new star.
15. Locate carefully the new star. You can use the coordinates, if you want to do a perfect circle with the other stars.
16. Repeat the last 3 steps for the other 10 stars.
17. Now you draw a perfect European flag. Congratulations!