

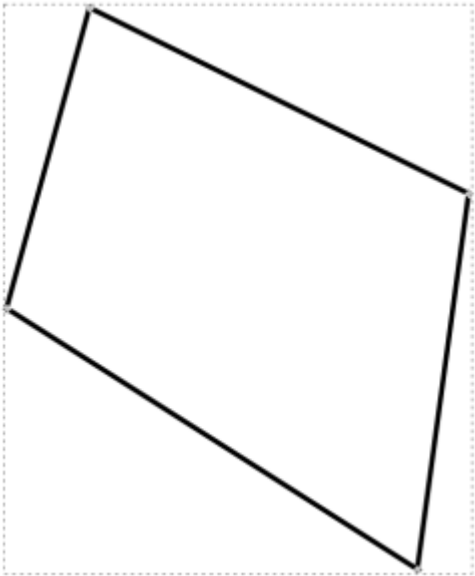
# Convert to Dashes

This extension can be used to create bridges / tabs for a laser cutter job. We can define a custom line style (dashed) and convert it using this extension.

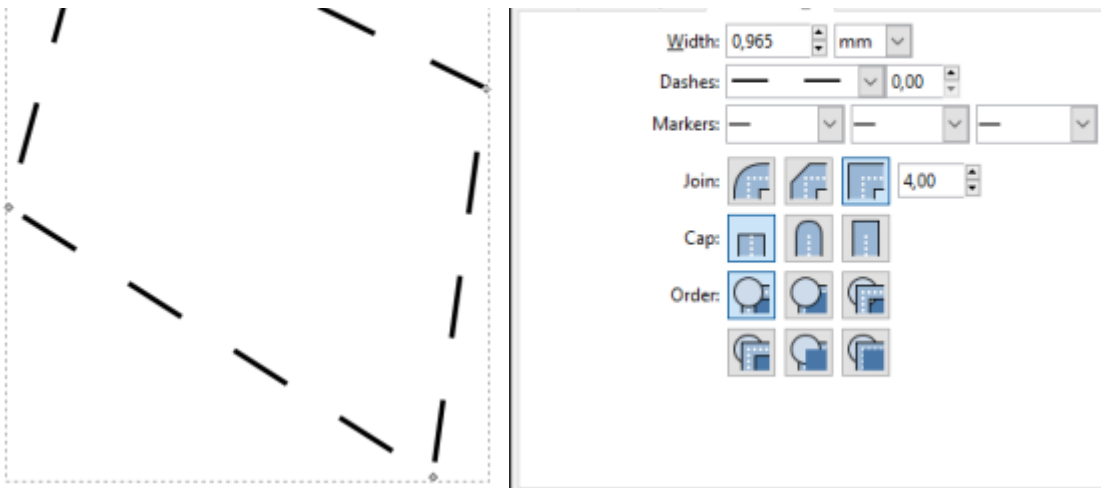
See also [Lasercut bridges without using extensions](#) and [Create Links \(Breakaway Connectors\)](#).

## Example 1

Draw some path

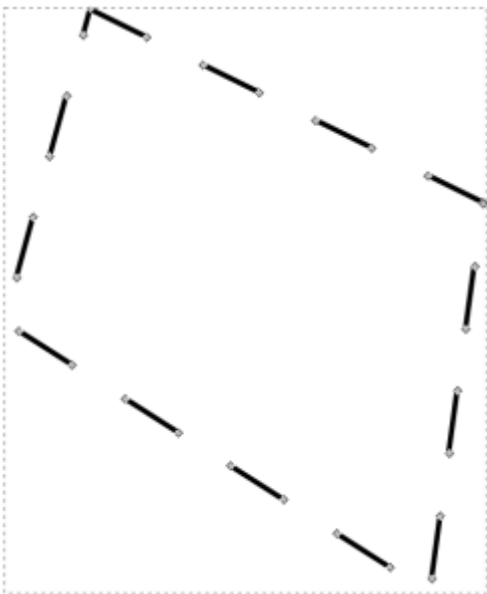


Change stroke style to dashes



## Run extension

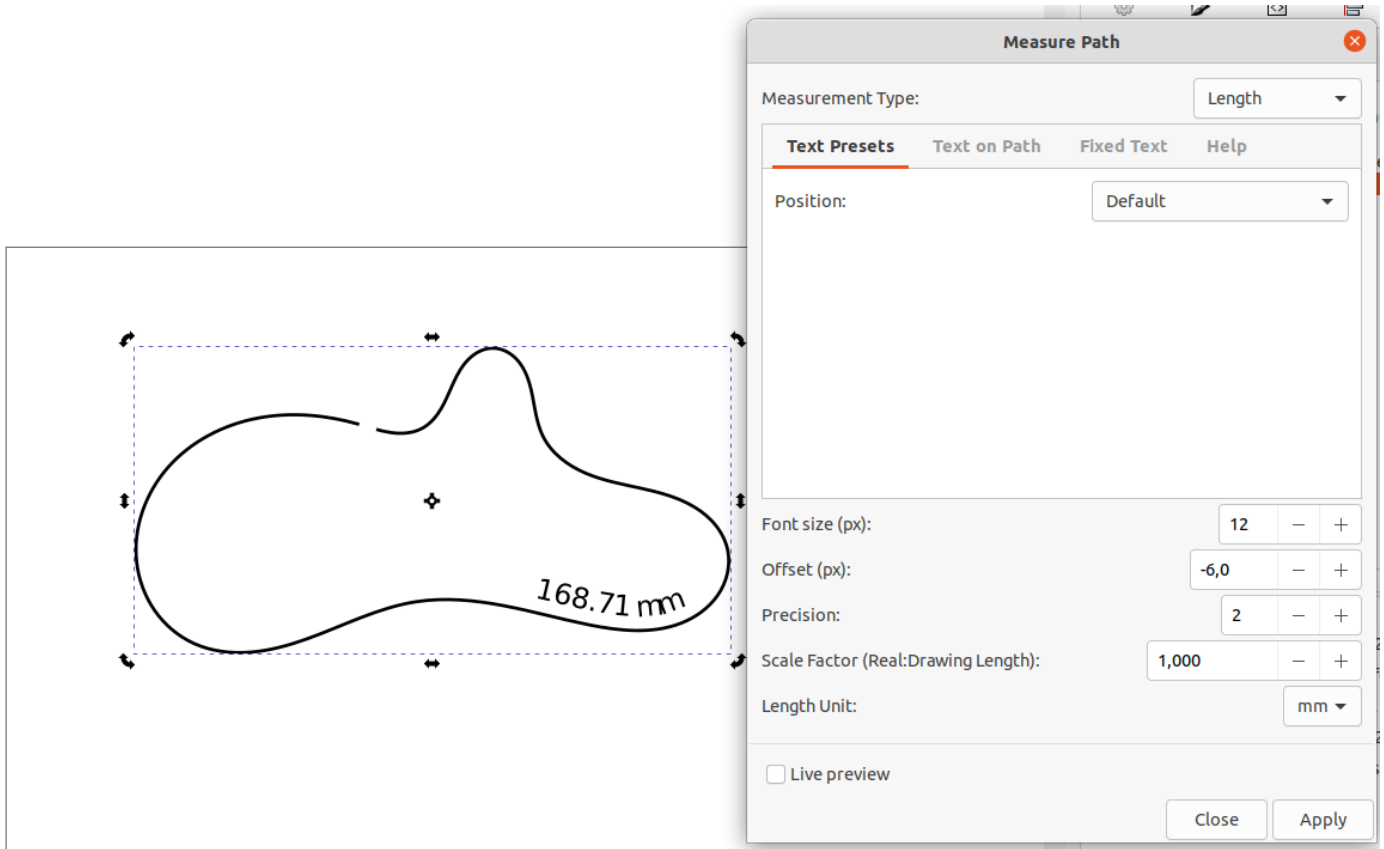
Each "virtual" dash will be split into a real segmented line



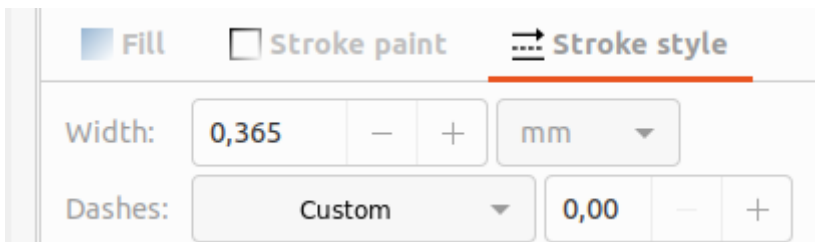
## Example 2

Set the document units to mm

Draw some curve and measure it's length in mm



Set custom line style ("Dashes" → "Custom")



Create a gap

Edit XML style to create a 2 mm gap. In the example line length is 168.71 mm. If we want a single 2 mm gap we set stroke dash array to  $168.71\text{mm} - 2\text{mm} = 166.71\text{mm}$

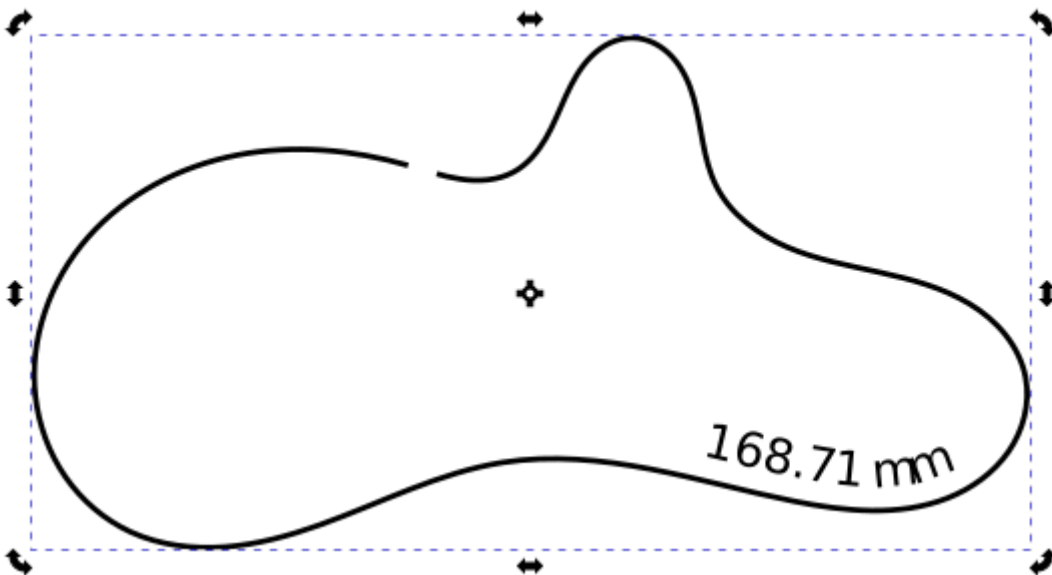
Click to select nodes, drag to rearrange.

| Name                 | Value                                                                     |
|----------------------|---------------------------------------------------------------------------|
| inkscape:original-d  | M 39.199239,19.694039 C 36.873512,19.546 26.96171,35.869696 20.842...     |
| inkscape:path-effect | #path-effect1764                                                          |
| id                   | path1762                                                                  |
| d                    | m 39.199239,19.694039 c -3.667743,-1.055041 -7.576282,-1.403834 -11.3...  |
| style                | fill:none;stroke:#000000;stroke-width:0.365;stroke-linecap:butt;stroke... |

Click attribute to edit.  
Show attributes

fill:none;stroke:#000000;stroke-width:0.365;stroke-linecap:butt;stroke-linejoin:miter;stroke-opacity:1;stroke-miterlimit:4;stroke-dasharray:166.71;stroke-dashoffset:0

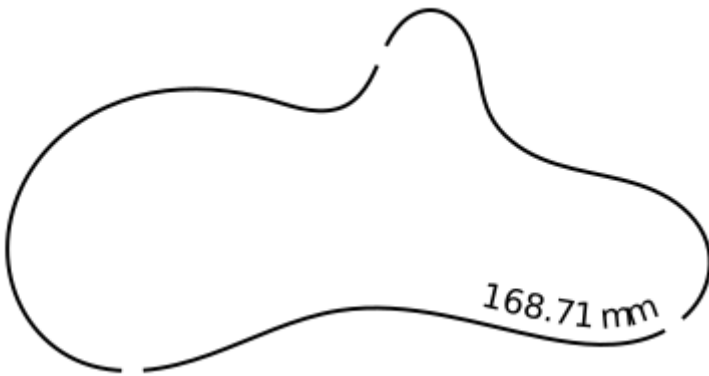
Shift+Return for a new line



If we want three gaps in a path with length of 168.71 mm and a gap length of 2 mm we set the stroke-dasharray to: 80.355 2.0 → because  $3 * 80.355 \text{ mm} + 2 * 2.0 \text{ mm} = 168.71 \text{ mm}$



If we want three gaps in a path with length of 168.71 mm and a gap length of 2 mm we set the stroke-dasharray to: 50.236 2.0 → because  $3 * 50.236 \text{ mm} + 3 * 2.0 \text{ mm} = 168.71 \text{ mm}$



## Run the "Convert to Dashes" extension

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Version #2

Erstellt: 2025-05-25 09:48:37 CEST von Mario Voigt

Zuletzt aktualisiert: 2025-05-30 14:24:15 CEST von Mario Voigt