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MIKE - Bicycle Mount Generator - Bike Connector Tool

pdz

VIEW IN BROWSER

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Summary

Free design tool for Custom Bike Connectors

Sports & Outdoor > Outdoor Sports

Tags: bikemount adapter bicycle connectors bike connector mountainbike biketool automated designcontest designtools bikelight bikelightmount roadbike bikecomputer bikecomputermount designtool automateddesign bikeconnector

Tired of searching for the perfect bike connector, only to find that nothing really fits your setup? - Look no further!

We are a research group at **ETH Zürich** and are currently developing a free online **bike mount generator**.

With MIKE, you can automatically design mounts for **lights, action cams, bike computers, and more** — all tailored to your exact bike. No hours of CAD modeling needed!

Try the tool here: https://gendesigntools-aeab1c350710.herokuapp.com/examples/bikeConnector_A_09/

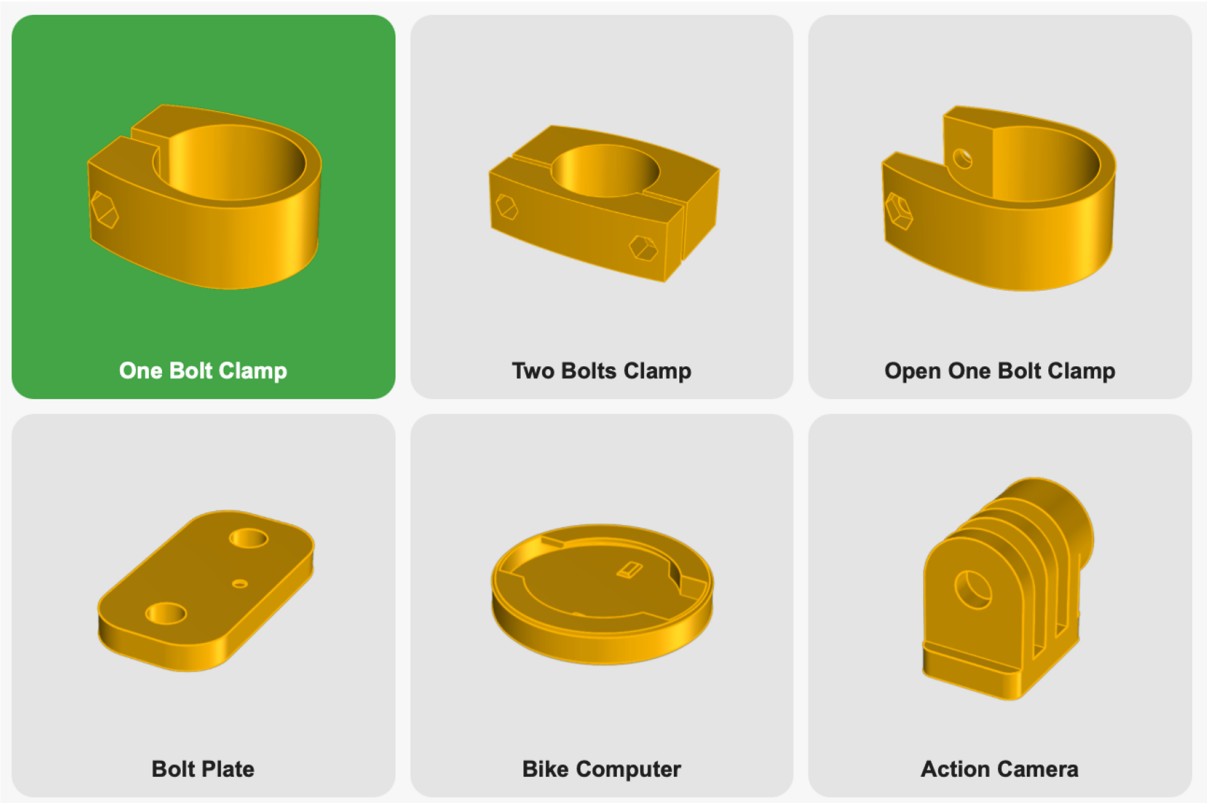
It’s **completely free**, and we’d love to hear your feedback.

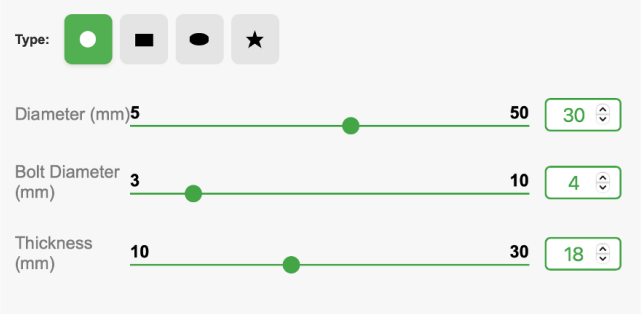
To showcase the tool, we’ve uploaded a few example connectors that were generated and printed successfully. But the real idea is that **you can build your own parts** — exactly as you need them.

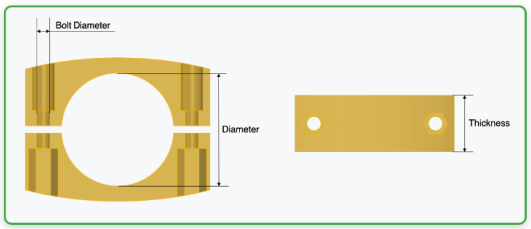
Let’s build this together into something useful for the cycling and maker community. We’d really appreciate your feedback, and don’t hesitate to share your makes!

How it works

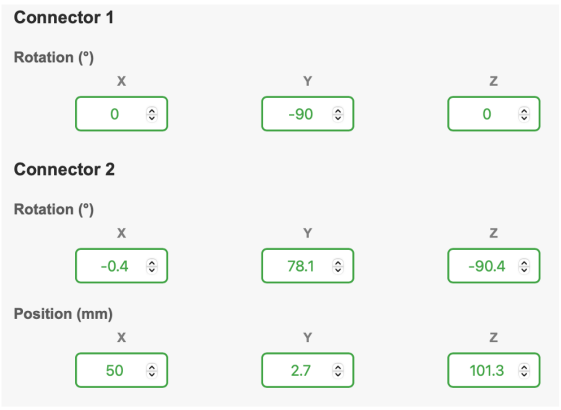
- Choose two connector types for your build from the library. Adjust them to your bike's geometry.

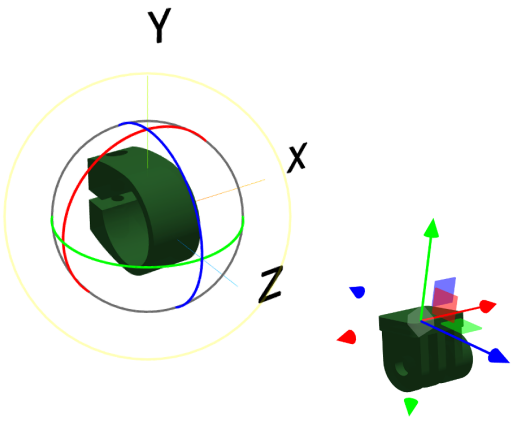




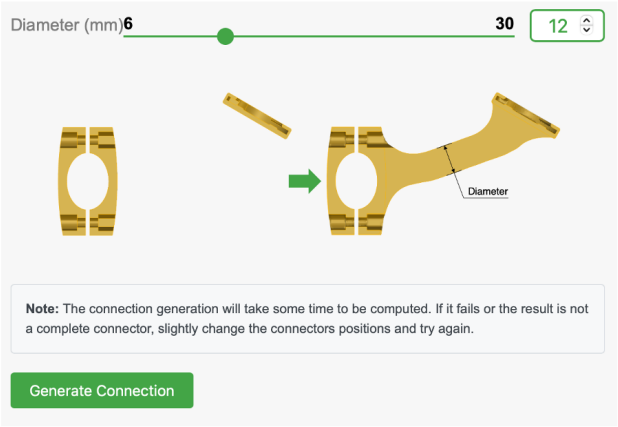


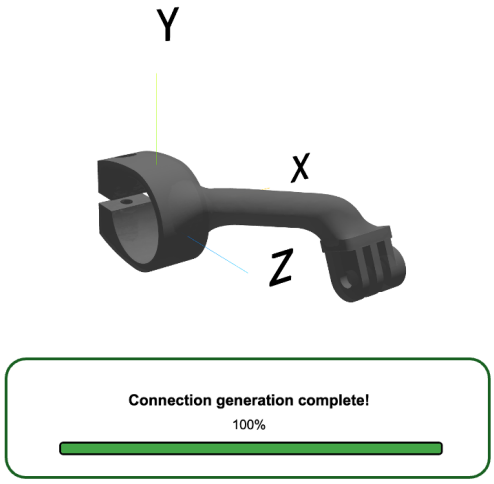
- Orient and move the connectors in space.





- Let the algorithm generate the connector.



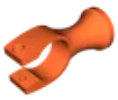


- Export the model and get printing!

Model files

actioncam_bar_mount.stl

garmin_mount.stl



garmin_taillight_mount.stl

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