

Modular beam system

m mbrx

[VIEW IN BROWSER](#)

updated 6. 12. 2023 | published 6. 12. 2023

Summary

System of beams, brackets and servo fittings to build stuff using standard M3 screws.

[Hobby & Makers](#) > [Mechanical Parts](#)

Tags: [beams](#)

System of beams, brackets and servo fittings to build stuff using standard M3 screws. Print beams laying down in two parts that snap together, can be assembled into longer pieces. Brackets for corners and angles and adapters for servos and standard 130 (small/toy) electrical engines. Requires M3 screws to assemble everything.

Has a generic settings.scad file where you can tune tolerances. Also has some options for larger beams using M4 screws.

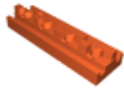
Most of these files are very old (ca. 2016) and the source code is a bit messy. Uploading by request, so apologies if things are not clear.

Model files



stl

27 files



beam_40mm.stl



beam_100mm.stl



beam_v1.stl



beam_160mm.stl



beam_260mm.stl



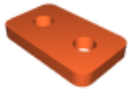
multibracket.stl



servojoint.stl



bracket_60.stl



bracket_2x1.stl



tbracket.stl



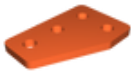
microservo_bracket.stl



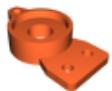
beam_m4x100.stl



servojointtop2.stl



vbracket2x3.stl



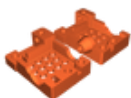
ballbearingholder.stl



tightner.stl



lbracket.stl

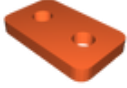


servojointbot.stl

corner.stl



2x1_bracket.stl



beam_200mm.stl



vbracket.stl



bracket_45.stl



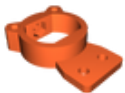
servojointtop.stl



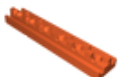
beam_160mm_tighter.stl



engineholder_130.stl



beam_60mm.stl





beam_v2.scad



ballbearingholder.scad



anglebracket.scad



settings.scad



corner.scad



screws_nuts.scad



engineholder_130.scad



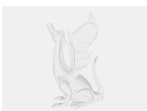
microservo_bracket.scad



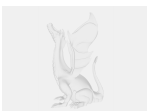
beam_v1.scad



2x1_bracket.scad



lbracket.scad



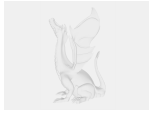
servojoint.scad



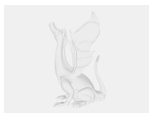
tbracket.scad



vbracket.scad

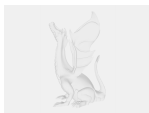


tightner.scad



vbracket2x3.scad

Other files



readme.txt

License

This work is licensed under a
Creative Commons (4.0 International License)



Attribution-ShareAlike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition