



Soldering Aid / Helping Hands



Airwaves Ted

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Summary

UPDATE: 17/10/2018 Added a longer base with provision to add weight in the form of either with a steel or brass bar...

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[cableholder](#) [helpinghand](#) [wireholder](#) [solderingtool](#)

UPDATE: 17/10/2018

Added a longer base with provision to add weight in the form of either with a steel or brass bar 8mm x 50mm x 100mm or as I did, small lead shot of the kind used in scuba diving weights.

UPDATE: 13/10/2018

Modified to accept springs to auto close the jaws and extended the thumb lever for easier operation.

Also added a 100mm long base option if you want a bit more distance between jaws.

The springs I used are wire dia 0.7mm x spring dia 5mm x spring length 20mm

Got them off eBay so doing a search for 0.7mmx5mmx20mm compression springs should find you some.

My take on the soldering aid for wire and component holding.

I designed it so the gripper arms can slide along the base allowing for fine adjustment of parts prior to soldering. This also allows easy disassembly for storage.

Uses a couple of rubber bands located in the cutouts on the arms for grip tension. Plus these cutouts also provide a thumb lever for easy opening of the jaws.

I'm currently looking to use small compression springs to close the jaws instead of the rubber bands.

Print Settings

Printer:

Anycubic i3 mega ultrabase

Rafts:

No

Supports:

No

Resolution:

0.2mm

Infill:

Whatever you like!

Category: Electronics

Model files

lh_fixed_arm.stl





weighted_base.stl



rh_fixed_arm.stl



100mm_long_base.stl



soldering_aid_base.stl



weighted_base_slot_cover.stl



rh_moving_arm.stl



lh_moving_arm.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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