



Delta Stand v2 - 3 Way Adjustable Stand



mkingery

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updated 19. 2. 2023 | published 19. 2. 2023

Summary

A simple 4-piece / 3-angle device stand with captive slots

[Household](#) > [Office](#)

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Each half of the stand is 30mm wide to help promote stability underneath the laptop or tablet.

There are 2 frame versions that are cross compatible with all v2 Feet and provide slightly different angle options. v2 is a Right Triangle version that gives a bit better spread of angles, but doesn't look as cool to me :D

Not all of these angles will be able to serve all devices due to screen hinge limitations and center of gravity.

Frame v1 Angles

- Default: 28° / 38° / 44°
- Multi Short (Tablet): 41° / 61° / 64°

Frame v2 Angles

- Default: 27°, 32°, 54°
- Multi Short (Tablet): 18° / 52° / 80°

Connection Mod

The stand is stable in normal use, but for more permanent setups, you may want to print out the connection mods that screw the two frame halves together for added rigidity.

Print Details

The slot clearance between the foot and the frame is 0.1mm. The slot is tight but loosens up after a few insertions. You may want to print off the tolerance test before committing.

Flip the models to print on their side. The photos here show the honeycomb infill at 10% (as opposed to v1's 15%) and rigidity is still high enough to easily hold a Macbook Pro. Feel free to change the infill type, percentage and shells to suit your needs and aesthetic! I've gone as low as 5% with open sides and with closed sides I usually use aligned linear at 3% with a tweaked print angle and that seems like enough for typical use.

This is a non-compatible variation of [Version 1 Stand](#) which incorporates a more secure slot design. The v1 Stand has been more than adequate for my normal usage but felt that a more secure frame would be helpful to many.

This remix is based on



Delta Stand - 3 Way Adjustable Stand

by mkingery

Model files



Default Components

4 files



stand-frame-v1.3mf

☐ The default frame which offers a good range of angles.



stand-frame-v2.3mf

☐ A right-angled version of the original which primarily adds a very steep 90 degree angle



stand-foot-multi.3mf

☐ This foot gives you the most angle options at the cost of a bit of extra visual complexity

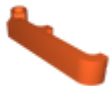


stand-foot-single.3mf



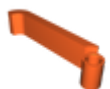
Connection Mod

7 files



stand-foot-multi-connection.3mf

☐ This locking version is to be used in conjunction with the caps and inner spacer rods



stand-foot-single-connection.3mf

☐ This locking version is to be used in conjunction with the caps and inner spacer rods



stand-connection-cap.3mf

☐ these caps pass through the foot or plug's inner hole and thread into the central spacers



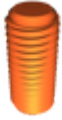
stand-connection-spacer-1-160.3mf

☐ a single piece 160mm spacer rod



stand-connection-spacer-2-100.3mf

☐ one half of a 200mm spacer rod. is attached together in the middle via the m2m screw



stand-connection-2-100-linkage.3mf

☐ a screw that connects two '2-100' spacer bars together.



stand-frame-connection-plug.3mf

☐ These can be inserted into un-used frame slots to adapt them for use with the connection spacer



STEP Files

9 files



stand-v2-a.step



stand-v2-b.step



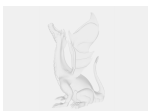
stand-v2-foot-single-locking.step



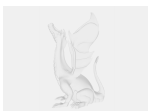
stand-v2-foot-multi-locking.step



stand-v2-connection-cap.step



stand-v2-connection-plug.step



stand-v2-connection-m2m.step



stand-v2-connection-spacer-1-160.step



stand-v2-connection-spacer-2-100.step



v2-tolerance-test.3mf

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