

HDD Cage V2 | 1-6 Bays | Backplane Hotswap

Moonyx

VIEW IN BROWSER

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Summary

Version 2 of my hard disk cage, improved design and printability

Gadgets > Computers

Tags: case hdd harddisk harddrive cage harddrivemount hddmount hddcaddy harddiskdrive harddiskmount harddrivecage harddriveenclosure harddiskcase harddrivetray hddcase hddholder

Improvements

Version 2 is a redesign with the feedback I've received on version 1 over the past year. Some of the improvements made are:

- Back plane support (28mm, 29mm or 30mm)
- Hot-swap snap fit, as opposed to the heat set insert mount of V1.
- Improved case mounting versatility
- Improved rigidity and strength for the case
- Better tolerance of the caddies
- Mounting points for 2.5" drives
- Better supports when printing the caddy

Info

A compact hard drive cage for 3.5" drives that will fit most cases. Supports back planes with a space between drives of 28, 29 or 30 millimeters.

If you don't plan on using a back plane, I recommend printing the 30mm version as this one has the best airflow.

Can be mounted to 120mm fan rails, 140mm fan slots or 140 mm fan rails. When mounting the cage to your case I recommend installing rubber washers between the cage and the case to reduce vibrations and noise.

Printing

Recommended to print using PETG or ABS or another material that can handle some heat.

Print all files in the given orientation. No supports necessary except for the support provided.

Sizes

Footprint:
With caddy: 136.5mm (w) x 167.5mm (d)
Without caddy: 136.5mm (w) x 156mm (d)

Height:
Varies a lot between pitch and number of bays, please check in your slicer.

Hardware

- 4-6x #6-32 6mm screw (for mounting the drive to the caddy)
- 4x M4 x 14mm bolt (for mounting the cage to case)
- 4x M4 nut
- 4x Rubber washer (optional)

Model files

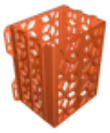
HDD Cage 30mm 6 files



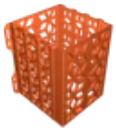
hdd_cage_1bay_30mm.stl



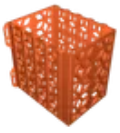
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hdd_cage_3bay_30mm.stl



hdd_cage_4bay_30mm.stl



hdd_cage_5bay_30mm.stl



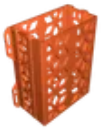
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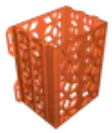
HDD Cage 29mm 6 files



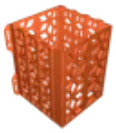
hdd_cage_1bay_29mm.stl



hdd_cage_2bay_29mm.stl



hdd_cage_3bay_29mm.stl



hdd_cage_4bay_29mm.stl



hdd_cage_5bay_29mm.stl



hdd_cage_6bay_29mm.stl



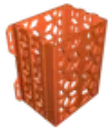
HDD Cage 28mm 6 files



hdd_cage_1bay_28mm.stl



hdd_cage_2bay_28mm.stl



hdd_cage_3bay_28mm.stl



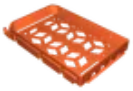
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hdd_cage_5bay_28mm.stl



hdd_cage_6bay_28mm.stl



hdd_caddy_v2_supported.3mf

hdd_cage_v2.step

All files as a step file for customisation

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