



Flightcase Rack Cover Cable Storage



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Summary

I designed some 3D printed hinges to implement a cable storage in the cover of my flightcase rack.

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Tags: [cables](#) [flightcase](#) [hinge](#) [powercon](#) [rack](#) [storage](#)
[19inch](#) [19inchrack](#)

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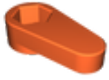
For the closing hinges I use [these](#) springs for some tentioning force. The distance between the rack front plate and the lid are 65 mm so there is enought space for any kind of cables and connectors as well as many direct input boxes.

The baseplates are mounted with M4 screws, the supports and latch bases were mounted to the baseplates with m3x20 mm sink head screws, as hinges I used M3x30 mm zylinder head screws.

The hinges use M3x15 mm sink head screws (for 6 mm plywood sheet).

The hinges are mounted with M6x30 mm zylinder head screws that are set under pressure with 20 x 9 mm springs inside the support.

Model files



hinge.stl



counterbearing.stl



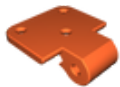
support-left.stl



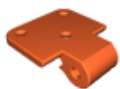
support_right.stl



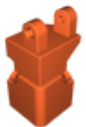
baseplate.stl



latch_left.stl



latch_right.stl



latchbase_left.stl



latchbase_right.stl

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