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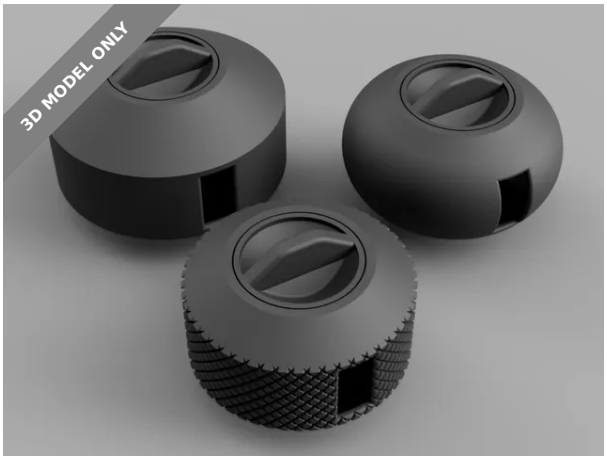

Advanced Stackable Print-in-Place USB Cable Winder / Organizer (Multiple Sizes)

mrusk

VIEW IN BROWSER

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Summary

A redesign of the Stackable Cable Winder with a more stable core, different shapes and larger versions.

Household > Office

Tags: office cable household fusion360 printinplace usb cablemanagement cablewinder

This is a redesign of the famous Print-in-place Stackable Cable Winder.

The original design has a weak spot: The walls of the core are rather thin and tend to break easily. This redesign has a different core with thicker walls, better tolerance settings and solves all of the reported problems.

Since the original version only holds thin USB cables up to 1m, a medium and large version have been added for longer and thicker cables. All sizes can be stacked due to identical core diameter and handle size.

Choose your desired outline: knurled, smooth or rounded. All versions are compatible with each other.

Dimensions (without handle, rounded ones are slightly larger in diameter):
Small (original): Ø 50 mm x 32 mm
Medium: Ø 60 mm x 40 mm
Large: Ø 70 mm x 48 mm

Print in Place, No Supports, PLA+ recommended.

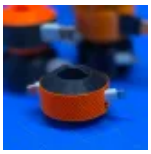
Print with low temperature and 2 perimeters only to minimize fusing due to excessive heat. For improved stability, set 100% infill for core in the middle region only (7-25mm for small, 11-29mm for medium, 15-33mm for large).

To break loose (if required): find out which side has fused, try to push on top or bottom, do not use excessive turning force. On bottom side turning with a 2€ coin and pliers can be helpful.

Fusion 360 Files included. The f3z is a configured solution (and needs a full Fusion license), the f3d is parametrized (radius/height for small: 25/32mm, medium 30/40mm, large 35/48mm).

See also my other winders:

This remix is based on



USB Cable Winder Stackable (+Knurled) Print in Place
by TinkrMakr

Model files

Knurled 3 files

cable-winder-small-knurled.3mf

cable-winder-medium-knurled.3mf

cable-winder-large-knurled.3mf

Smooth 3 files

cable-winder-small-smooth.3mf

cable-winder-medium-smooth.3mf

cable-winder-large-smooth.3mf

Rounded 3 files

cable-winder-small-rounded.3mf

cable-winder-medium-rounded.3mf

cable-winder-large-rounded.3mf

Source 3 files

cable-winder-v12.f3z

Configured design

cable-winder-medium-knurled.f3d

Parametrized design

cable-winder-medium-rounded.f3d

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