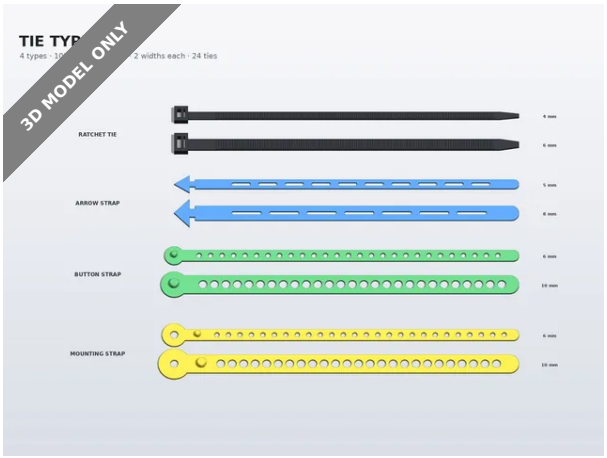


Reusable Printable Cable Ties + Zip Tie Organizer

David Vancl

VIEW IN BROWSER

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Summary

Reusable printable zip ties + sorting box: ratchet tie, arrow, button and mounting strap in 100–180 mm.

Hobby & Makers > Mechanical Parts

Tags: prusa box organizer cable tie workshop management strap reusable wire velcro zip bundle alternative coreone

24 reusable cable ties you can print and use again and again, stored in a box with **4 long bins**. Each bin has 3 lanes: 100, 150 and 180 mm. The lid has an engraved title.

Tie types (each in 2 widths)

- RATCHET TIE – classic zip tie with a toothed strap and a pawl in the head (4 / 6 mm)
- ARROW STRAP – twist the arrow through a slot and it locks (5 / 8 mm)
- BUTTON STRAP – push the peg through any hole, so the size is adjustable (6 / 10 mm)
- MOUNTING STRAP – button strap with a screw eye, so you can mount a bundle on the wall (6 / 10 mm)

Printing

- Ties: PETG (stiff) or TPU 95A (soft, great for button and arrow straps), 100 % infill, no supports. They print flat as supplied.
- The ratchet tie needs PETG and 0.15–0.2 mm layers so the teeth come out sharp.
- Box, bins and lid: PLA or PETG, 0.2 mm, 15 % infill. The lid prints face-down, and a text inlay is included for two colours.

Good to know

Printed ties are made for tidy cable bundles, prototypes and workshop use – not for high loads. They're reusable: just open them and use them again.

Designed & built by **Ing. TULák**

GitHub: https://github.com/davidvancl

Printed it? Share a **Make**! Questions or ideas? Drop them in the comments.

Thanks for printing – may your cables always stay bundled!

Model files

box 7 files



bin_1_ratchet-tie_long.stl



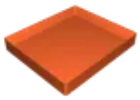
bin_2_arrow-strap_long.stl



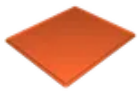
bin_3_button-strap_long.stl



bin_4_mounting-strap_long.stl



box_body.stl



box_lid_print_face_down.stl



box_lid_text_inlay_mmu.stl



arrow-strap 6 files



tie_arrow-strap_100mm_w5.stl



tie_arrow-strap_150mm_w5.stl



tie_arrow-strap_150mm_w8.stl



tie_arrow-strap_100mm_w8.stl



tie_arrow-strap_180mm_w5.stl



tie_arrow-strap_180mm_w8.stl



button-strap 6 files



tie_button-strap_150mm_w6.stl



tie_button-strap_150mm_w10.stl



tie_button-strap_180mm_w6.stl



tie_button-strap_180mm_w10.stl



tie_button-strap_100mm_w10.stl



tie_button-strap_100mm_w6.stl

mounting-strap

6 files



tie_mounting-strap_100mm_w6.stl



tie_mounting-strap_100mm_w10.stl



tie_mounting-strap_150mm_w10.stl



tie_mounting-strap_150mm_w6.stl



tie_mounting-strap_180mm_w10.stl



tie_mounting-strap_180mm_w6.stl

ratchet-tie

6 files



tie_ratchet-tie_100mm_w4.stl



tie_ratchet-tie_180mm_w4.stl



tie_ratchet-tie_150mm_w6.stl



tie_ratchet-tie_180mm_w6.stl



tie_ratchet-tie_100mm_w6.stl



tie_ratchet-tie_150mm_w4.stl



plates 5 files



plate_ties_arrow-strap_all.3mf



plate_ties_ratchet-tie_all.3mf



plate_ties_mounting-strap_all.3mf



plate_ties_button-strap_all.3mf



plate_tie_sampler_all_types_100mm.3mf

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