Printables by JOSEF PRUSA



Modern simple hook with invisible mount

Many24

VIEW IN BROWSER

updated 29. 2. 2024 | published 29. 2. 2024

Summary

As simple as possible, yet very strong

1.19 hrs	1 pcs	0.10 mm	0.40 mm	PLA	15 g	Prusa MINI / MINI+

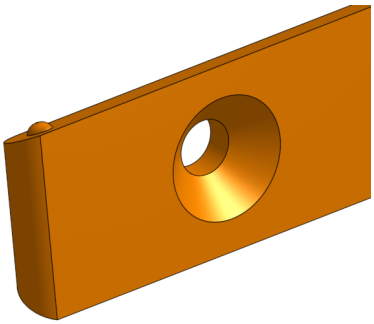
Household > Other House Equipment

Tags: hook hanger mount screw wood modern hang coat jacket mounting invisible simple hooks hak with hall drevo hacek chodba predsin kabat odev neviditelny bunda

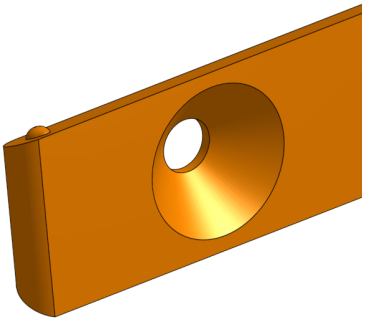
UPDATE 29/02/2024

Some people requested bigger chamfer on the mount holes to accommodate bigger screw heads.

Original 2mm chamfer



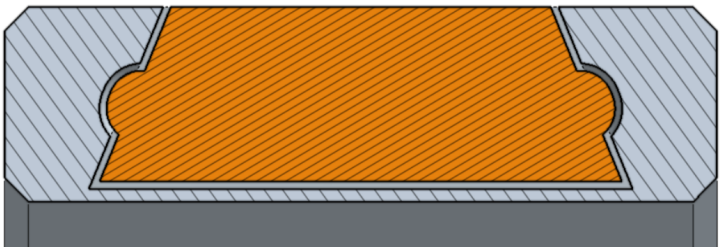
Updated 3mm chamfer



UPDATE 31/01/2024

After first feedback it seems that the original tolerance 0,05mm is too tight for some printers. I found this as a sweet spot after several iterations, but I understand other printers might not allow for such tolerance.

So I am adding hooks with 0,1mm and 0,15mm tolerance. The mount stays the same.

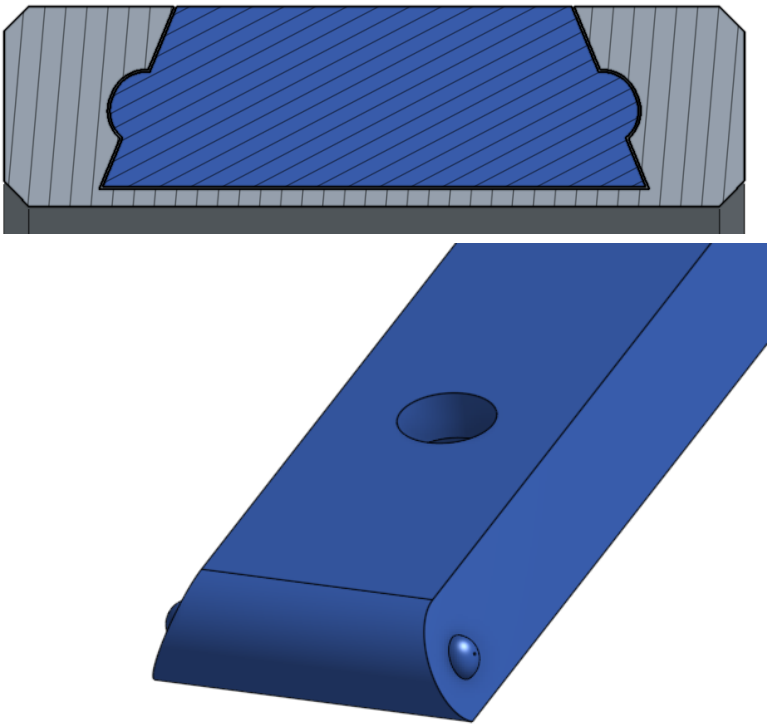


This should be OK for most printers as any bigger tolerance could cause play between mount and hook.

When renovating our hall, we wanted some very simple, yet modern hooks, with possible no visible mounting points / screws. So I came up with this design.

The fit is quite tight, I wanted to have no play, so it might require some dialing.

There are small bumps at the end, so the hook clicks nicely in place:



Print instructions

- 0,1mm layer heigh - or just as low as possible to allow good insertion
- Printed in PLA, but any material should do
- Print front side down - mount side up for best printability and front visible finish
- No supports needed
- 50% infill
- 4 perimeters

Additional hardware needed

- 2x 4x12 screws (or longer)

Model files



mount-hook.3mf

☐ DON'T PRINT TOGETHER - only for visualization



mount_2mm.3mf

2mm chamfer for screw head. Same for all hook tolerances



mount_3mm.3mf

3mm chamfer for screw head. Same for all hook tolerances. Based on feedback - NOT TESTED



hook_005mm.3mf

Print the best tolerance based on your printer



hook_01mm.3mf

Print the best tolerance based on your printer. Based on feedback - NOT TESTED



hook_015mm.3mf

Print the best tolerance based on your printer. Based on feedback - NOT TESTED

Print files



hook_04n_01mm_pla_miniis_1h11m.bgcode

PLA | 0.40 mm | 0.10 mm | 1.19 hrs | 15 g | Prusa MINI / MINI+

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