



Caliper Box



RDesigns

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Summary

This is a universal, screwless and rugged caliper box, which should fit most of commonly used calipers.

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Tags: [parametric](#) [box](#) [holder](#) [workshop](#) [universal](#) [screwless](#) [caliper](#) [calipers](#) [caliperholder](#) [rugged](#) [cutomizable](#) [a1](#) [messsschieber](#) [workshoporganization](#) [h2d](#) [p1s](#) [x2d](#)

This is a **universal, screwless** caliper box, which should fit a lot of commonly used calipers.

The TPU seal (which is made out of raw TPU filament) is optional, but it will improve the the tightness of the clamping mechanism.

The Caliper Box



Based on
The Allround Box



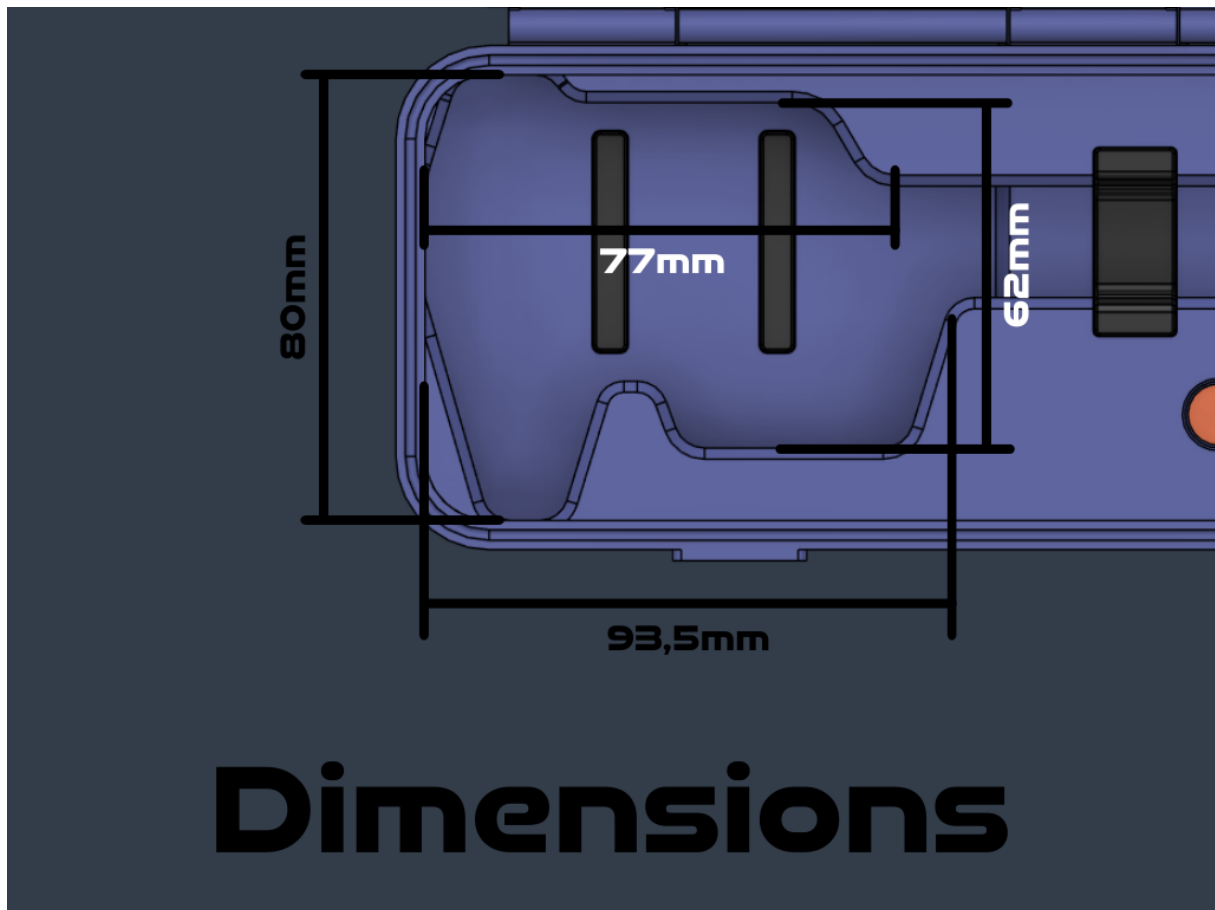
150mm



TPU
inlays

Battery
deposit

LR44 | CR2032



Special printsettings:

The TPU parts should be extra soft, make sure to set the following settings or use my printprofile:

Perimeters: 1

Top & bottom layer: 2

Infill type: Gyroid

Infill: 5%

Customization:

I have provided the Fusion 360 file for customization.

Instructions and assembly guide:

It's pretty straight forward, just use **raw filament** and push it into the provided hinge holdes.

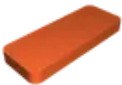
For the latch install the wheels also with raw filament. After that, attache the latch to the lid with raw filament.

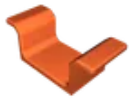
Now you can use **TPU filament for the seal**, you don't need to print something, just raw filament again which you can cut to size.

That's it!

The base for this box design is provided through my previous box design “The Allround Box”

Model files

 3MF Project		2 files
	standart-profile-cr2032-batterie.3mf	
	standart-profile-lr44-batterie.3mf	
 TPU Parts (for both versions)		5 files
	gummi-1.3mf ☐ 2 Pieces	
	gummi-2.3mf ☐ 1 Piece	
	gummi-3.3mf ☐ 2 Pieces	



gummi-4.3mf

📄 2 Pieces



gummi-5.3mf

📄 4 Pieces



Caliper Box CR2032 or LR44 Battery

5 files



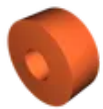
latch.3mf

📄 2 Pieces



lid.3mf

📄 1 Piece



wheel.3mf

📄 4 Pieces



mainbody-lr44.3mf

📄 1 Piece



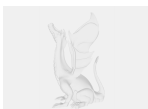
mainbody-cr2032-battery.3mf

📄 1 Piece



Fusion 360

2 files



caliper-box-v11-cr2032-battery.f3d



caliper-box-v11-lr44-battery.f3d

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