



## Torch Cylinder Base

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### Summary

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This is a stabilizing base that goes on a standard gas cylinder to help it from tipping over. The tall thin torch cylinders can be a bit wobbly and tippy so I wanted something to help stabilize it. The cylinder should be a snug fit but based on your print settings it could be a bit too loose so I added a retention screw to help keep the fit snug. I have added 3 variations of retention screw as the thumb screw may not be suited to

people with larger hands. If this is the case, I would recommend using the slotted thumb screw or the hex screw.

I would use at least 25-30% infill to help it be as rigid as possible.

**\*\*The retention screw and screw hole need to be worked in and out a few times after printing to help them fit properly. the fit will be very tight but will loosen up after a few times in and out. Screw it in from the inner side first a few times until it is able to pass through, then you can assemble it properly from the outside.**

The print in the pictures was printed on a high speed setting so the quality is not great. You can see the top of the pint has separations which will not be in the print at normal settings.

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## **Print Settings**

### **Printer Brand:**

Creality

### **Printer:**

Ender 3

### **Rafts:**

No

### **Supports:**

No

### **Resolution:**

.2mm

### **Infill:**

25-30

**Filament:** GST3D PLA+ Black / Grey

## Notes:

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## Post-Printing

The screw has to be worked in and out to help achieve a proper fit. start from the inside hole and move to the outer hole once the screw moves freely.

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Category: Tools

## Model files



**propane\_torch\_base\_wthumb\_screw.stl**



**thumb\_screw.stl**



**slotted\_thumb\_screw.stl**



hex\_screw.stl

[Find source .stl files on Thingiverse.com](#)

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