



## Twist Lock Coffin

 **3D Printy**

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## Summary

This coffin shaped box has a hidden rack and pinion latching mechanism. Great for storing or giving Halloween candy.

[Seasonal designs](#) > [Autumn & Halloween](#)

Tags: [container](#) [mechanicaltoy](#) [storagebox](#) [coffin](#)  
[halloween](#) [halloweendecoration](#)

The hidden latching mechanism will only unlock if you discover the twisting top section.

## Customization

### Base designs

- Plain
- Tapered

### Topper designs

- Plain
- Skull
- Scratch
- Skull and Scratch

- Spider

Choose between 2 base designs (tapered or plain) and 2 topper designs (skull or plain)

## Printing

### Supports

No supports are needed if all parts are properly aligned on the bed.

### Skull Topper Colors

If using the skull topper, swap out the color a few layers in to really make the skull pattern pop!

## Assembly

### Make sure to pre-tension the spring by one gear tooth

This will assure that the latches have a strong hold on the base. This is also necessary for the alignment of some toppers.

### Make sure to glue the spring and topper

If you do not fully secure these parts, the mechanism may become detached while in a locked state. I recommend using either super glue or **3D Gloop!**, but hot glue can work as well. Be careful not to glue the latches in place.

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# Model files



## Demo

1 file



### assembled.3mf

☐ Diagram of all assembled parts



## Toppers

5 files



### topper-plain.3mf



### topper-scratch.stl



### topper-skull.stl



### topper-spider.stl



### topper-skull-and-scratch.3mf

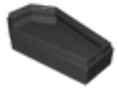


## Lid & Bases

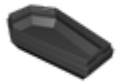
3 files



**lid.3mf**



**base.3mf**



**tapered-base.3mf**



**Mechanism**

5 files



**latch.3mf**



**gear.3mf**



**spring.3mf**



**merged-spring.stl**



**small-merged-spring.stl**

☐ Use this when printing smaller 80% versions of this box

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