



## A Strong Bag Clip



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### Summary

Another bag clip with a metal spring.



1.12 hrs



1 pcs



0.20 mm



0.40 mm



PLA



10 g



Prusa  
MK3/S/S+

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I experimented with several styles and versions of clips and this final version uses a metal spring as it gives the best tension. The pieces print with no support in about 1 hour. It snaps together with a central pivot pin.

I have tried two sizes of spring:

#### SP-9706

- 1/2"x1-1/2"x0.41 (12.5mm x 38mm x 1mm)
- inside diameter about 10.5mm

#### SP-9703

- 3/8"x1-1/8"x0.41 (10mm x 29mm x 1mm)

- inside diameter about 7.5mm

The spring rests on a post to hold it in place. I made the post 7mm diameter to accommodate either spring. I prefer the SP-9706 as its tension is a little less stiff. It could likely use other springs - they should be in the range of 30-40mm long relaxed, about 15mm compressed, and 7-12mm internal diameter.

## Model files



**clamphalf.stl**



**pin.stl**



**clip.3mf**



**clip.f3d**

## Print files



**clip\_02mm\_20\_2p\_1h7m\_3464m\_solutech-red-pla.gcode**

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm 🕒 1.12 hrs 📊 10 g 🖨️ Prusa MK3/S/S+

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