



# Bikepacking handlebar bag straps

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## Summary

Have you ever wanted to go bikepacking but don't have the appropriate gear nor want to spend a fortune?

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Tags: [bag](#) [transport](#) [bike](#) [strap](#) [mountainbike](#) [camping](#)  
[bikepacking](#) [bikepart](#) [bikepannier](#) [gravelbike](#)

Hello!! this is my first design ever uploaded, I work as an Additive Manufacturing Engineer and I love to design parts for bikes, cars, and everyday objects, certainly you will see me around more often. Surprisingly I don't own a 3D printer so I used the company's printer to print my design. Hope I can win

This strap will hold cylindrical bags from around **80mm to 200mm** in diameter, the length of your bag will depend on your handlebar length but mine (800mm) fits up to a **500mm** bag that's  $\approx 16$  L. I tested the straps with more than 8kg with no problems and sure it would hold more weight without problem, the only issue is that handling becomes more difficult with the added weight.

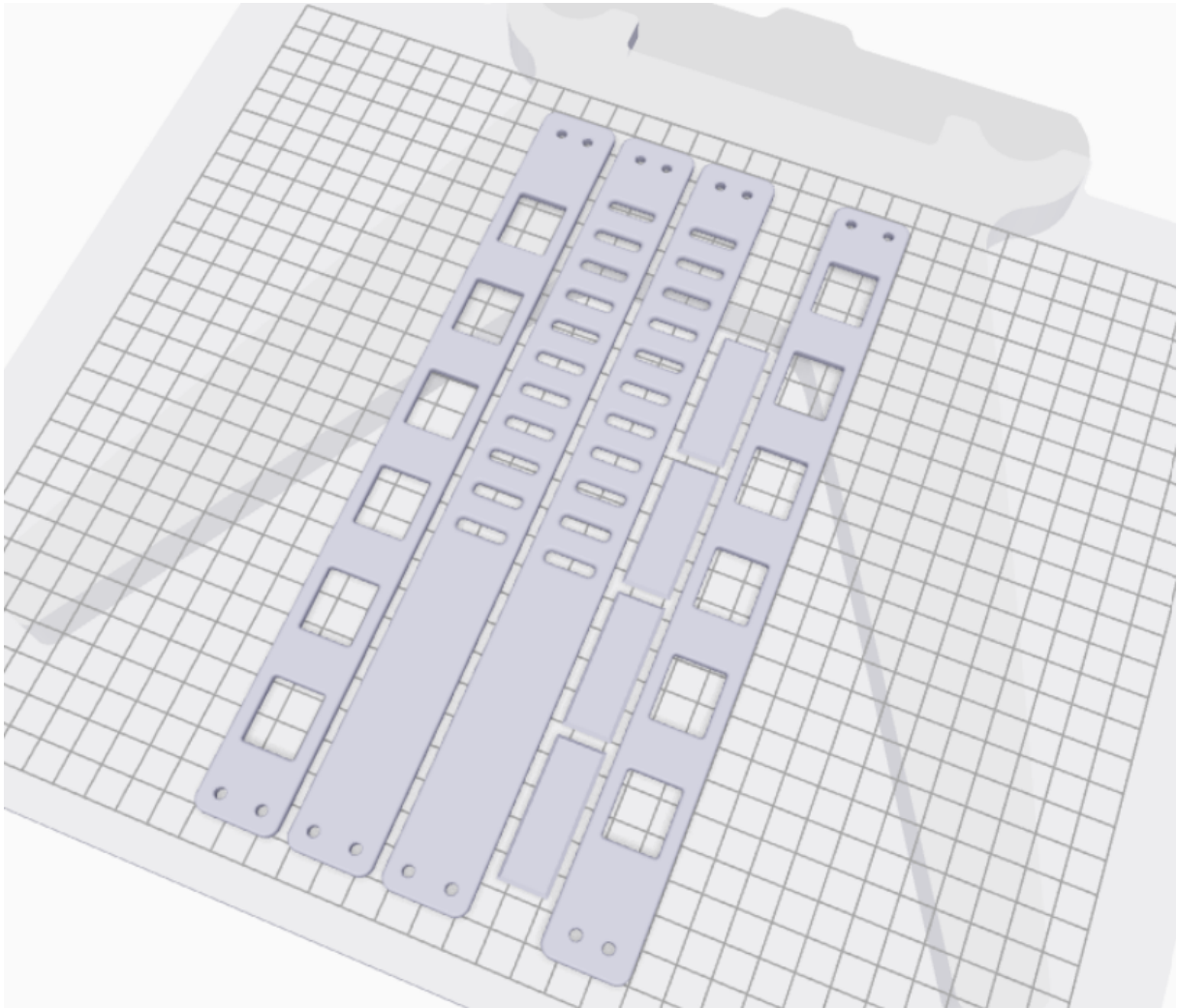
Don't be scared about the number of components because it's very easy to assemble, just press-fit the nuts with your hands or a small hammer to

the printed parts, fasten the screws and that's it. You can watch my testing and assembly video for more detailed instructions.



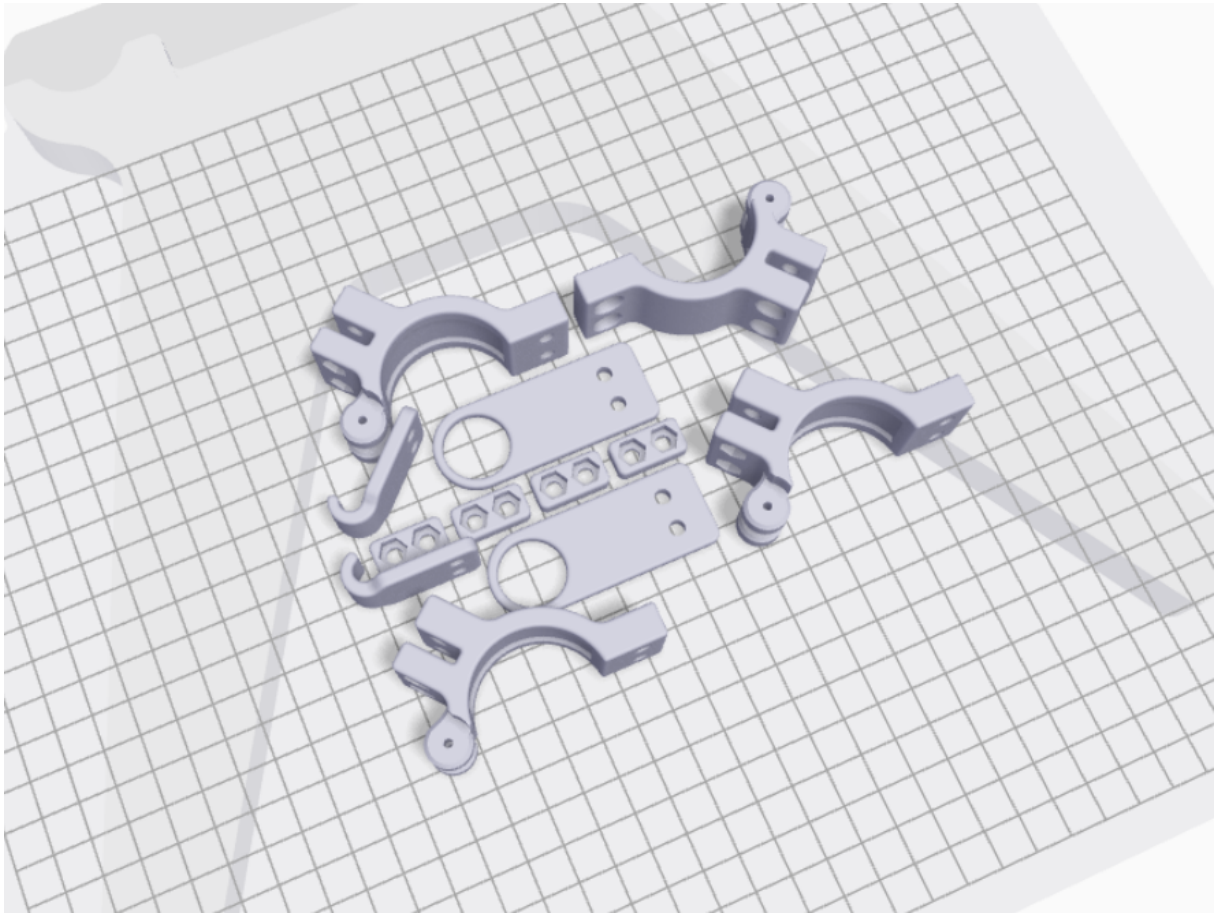
#### **Required materials for 2 straps:**

- **12 x** M4-0.7 x 16mm screws
- **8 x** M4-0.7 x 12mm screws
- **20 x** M4-0.7 nuts
- **8 x** M4 flat washers
- **2x** 2.4mm steel rod (I cut it from a tig welding rod)



**Required TPU 3D printed materials for 2 straps:**

- **2 x** handlebar bag strap 1
- **2 x** handlebar bag strap 2
- **2x** handlebar bag 31.8mm pad
- **OR**
- **2x** handlebar bag 35mm pad



**Required ABS/ASA/PETG... 3D printed materials for 2 straps:**

- **2x** handlebar bag pulling loop
- **2x** handlebar bag hinge
- **2x** handlebar bag clamp screw
- **2x** handlebar bag clamp nut
- **4x** handlebar bag nut base

## Model files



**handlebar-bag-clamp-nut.stl**



**handlebar-bag-hinge.stl**



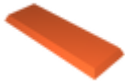
**handlebar-bag-strap-1.stl**

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**handlebar-bag-pulling-loop.stl**

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**handlebar-bag-318mm-pad.stl**

☐ print 2 per assembly if you have a 31.8mm handlebar

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**handlebar-bag-35mm-pad.stl**

☐ print 2 per assembly if you have a 35mm handlebar

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**handlebar-bag-strap-2.stl**

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**handlebar-bag-nut-base.stl**

☐ print 2 per assembly

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**handlebar-bag-clamp-screw.stl**

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