



## MSR Dromedary Water Bladder Frame (Customizeable)

 **SkepticNerdGuy**

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### Summary

Sturdy-ish frame for the MSR Dromedary water bladder.

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This frame is for this product:

<https://www.msrgear.com/water-treatment/storage-bags/dromedary-bags/dromedary-bags.html>

I designed these to make the water bladder a bit easier to handle. The f3d file is included for customization. The parameters should be relatively easy to interpret.

Images show it assembled and my 10L bag installed on it.  
Requires some additional hardware.

4x 6mm Hot-melt Inserts  
4x 6mm screws  
2x 10mm structural rod ~ 410mm long

Another option without using hot-melts would be to use longer screws and nuts on the back-side.

Some parameters you should know for the printable 3mf files if you are not customizing:

Hot-melt: insert\_diameter = 7.75mm with -1° taper (insert from rear)

Hole for rod: frame\_rod\_hole = 11mm for use with 10mm rod.

Distance between mounting holes accounts for bladder filling with water, see images for context.

6L: 210mm

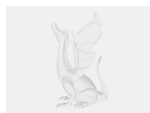
10L 250mm

I used 10mm x 420mm (2mm thick walls) carbon fiber rods from Amazon. There are probably cheaper options out there, I wanted something working fast and got these. I did have to shorten a little (about 10mm).

Carbon Fiber Rod

<https://www.amazon.com/dp/B08ZSZ8V6Y>

## Model files



**msr-bladder-frame.f3d**



**msr\_bladder\_frame\_10l.3mf**



**msr\_bladder\_frame\_6l.3mf**

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