



## Vertical Antenna Tripod | PolyPuck v3



BuckNova

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### Summary

A portable, rugged and versatile tripod. The perfect base for your vertical antenna for portable ops.

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**Update 6/30/23:** Another revision. The puck now has a slot for a weight attachment! The attachment is secured using a leg, so nothing special is required. It should be able to support up to 10lbs, but only 5lbs has been verified.

#### **I have created a PDF for assembling your own PolyPuck.**

I wanted to design and make my own tripod mount for a vertical whip antenna.

I didn't want to pay for a premade from wolf river coil, or buddipole.

I designed this to be flexible and adaptable for what you need.

10mm center hole to allow for printer tolerance for a 3/8-24 antenna mount. Remove the isolator that comes with the mount. It is not needed.

Two 2mm tunnels allow you to pass ground cable that touches the connector to the top portion. I suggest 14 awg bare copper wire.

The two smaller holes on top are for either a press in threaded insert, or a screw/bolt of the right size to thread in.

The leg holes are approximately 10mm in diameter, which fits a 3/8 rod.

Legs can be any length you need them to be.

-12in legs are great for light packing.

-24in is good combo between portability and stability.

-32in for best stability

Infill should be okay at 10% gyroid.

Use more walls for more strength. I suggest no less than 4.

PETG would be my material of choice if you don't have an enclosed printer.

ABS would be ideal for durability.

Feel free to experiment with Carbon Fiber based materials for ultra light weight.

I'll be making a leg adapter where you can stake the legs to the ground to make it more resistant to tip over.

I also have a version that can support a coil, and a version with a coil built in. I hope to finalize and upload them eventually.

You can also find this upload on Thingiverse, and Cult3D.

I also have a website.

[www.w0aez.com](http://www.w0aez.com)

## Model files



**leg-anchor.3mf**

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polypuck-v3.3mf

## Other files



polypuck-assembly-guide-pdf.pdf

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