



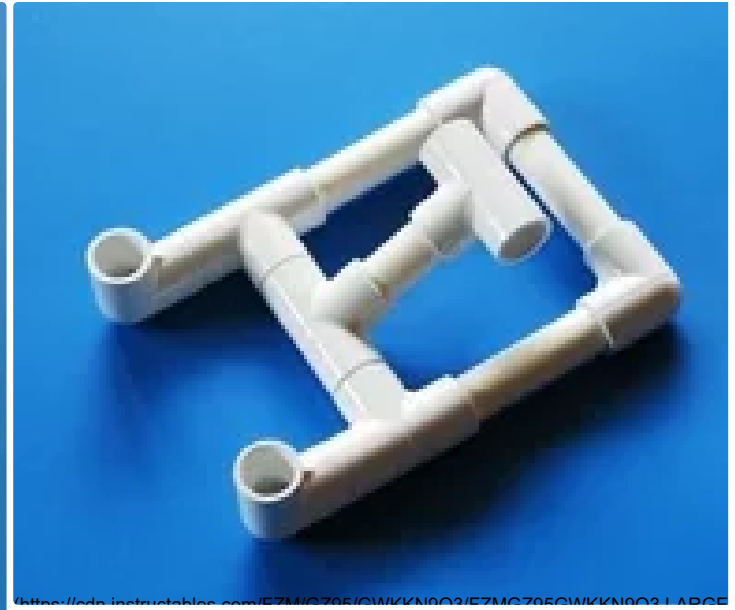
IPAD STAND FROM PIPE FITTINGS

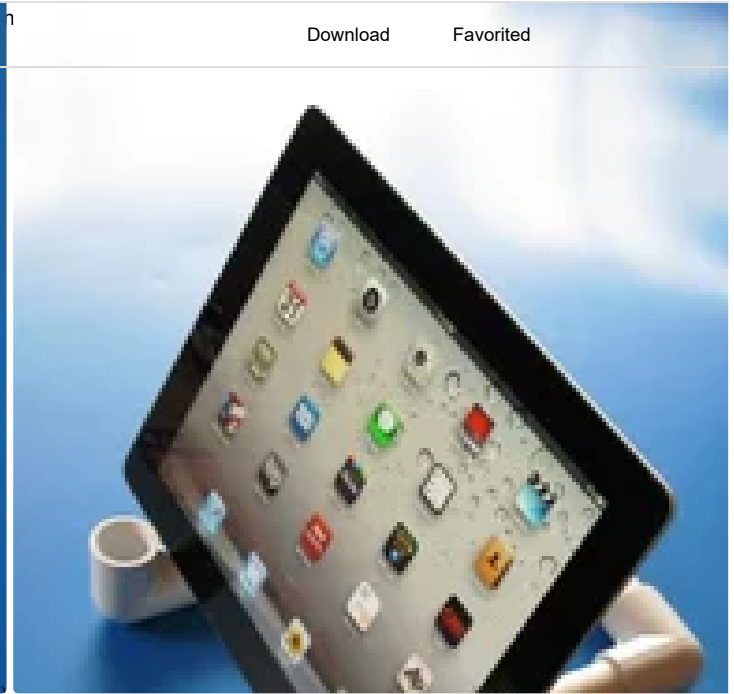
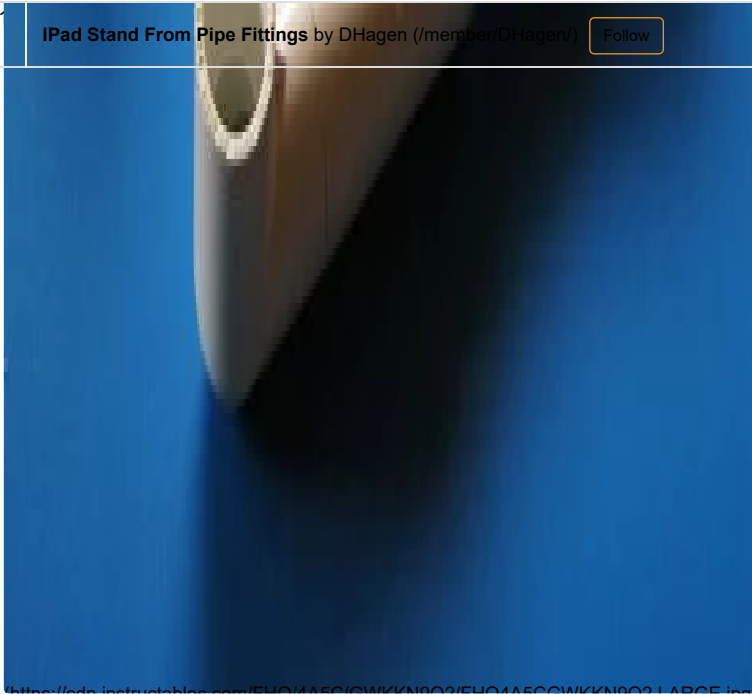
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You can make this eye-catching iPad stand from irrigation-pipe fittings. By now it seems everyone has an iPad, a Kindle, or other eReader. Don't buy an expensive stand. Make one for yourself or for a friend. The material cost is only about \$3.00! The stand works in either portrait or landscape orientations, and the tilt is infinitely adjustable from near-vertical to horizontal.

Once you have all of the parts, you can put this together in an hour. All you need is some way to cut the pipe. (Use a hacksaw or a pipe cutter.) There is no messy gluing; everything holds together by friction. Optionally, you can skewer the tilt mechanism with a bolt to add tension.

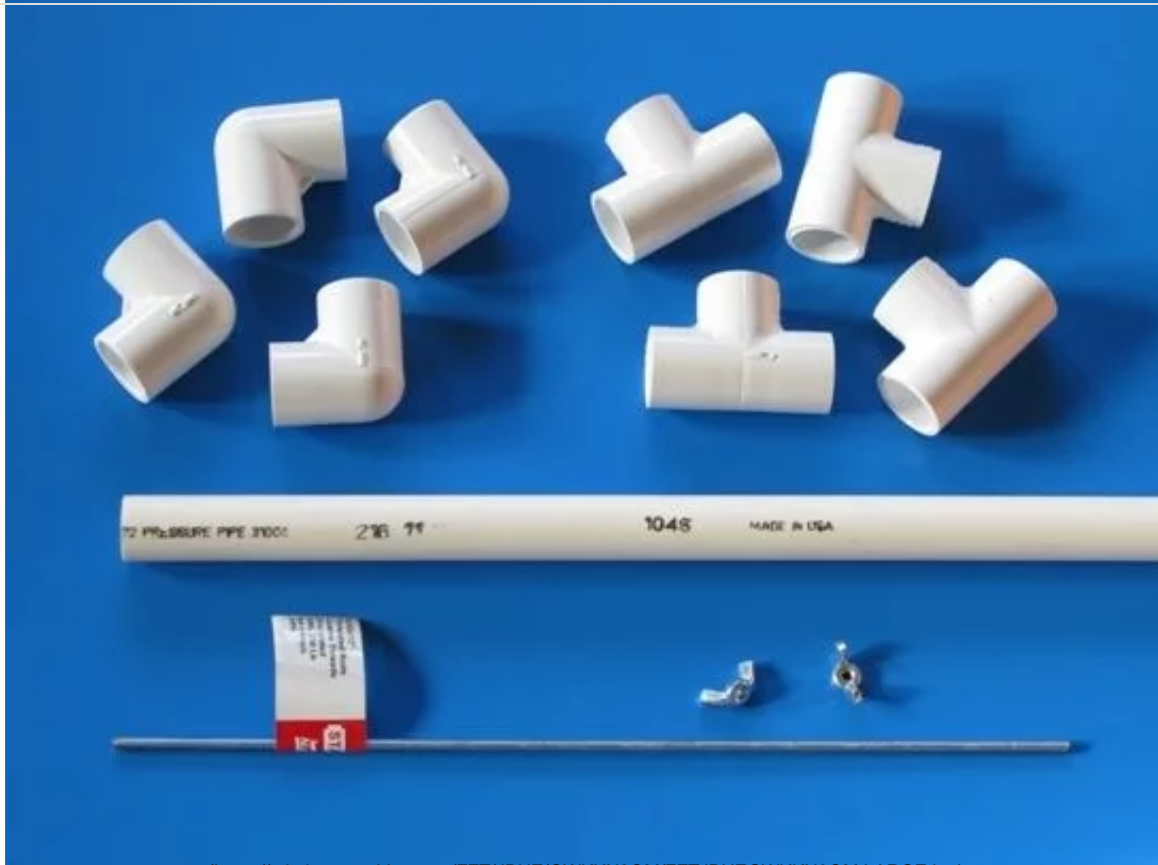
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Step 1: Parts



4 Ls, \$0.25 each = \$1.00

4 Ts, \$0.35 each = \$1.40

24" of pipe, \$0.33/ft = \$0.66 (or 10' for \$2.95)

Total: \$3.06!!!

Optional:


12" #8 Threaded Rod, \$1.19

2 Wingnuts, \$0.27 each = \$0.54

Notes

- The pipe and fittings are the standard "1/2" size.
- The pipe is so cheap, buy extra in case you goof.

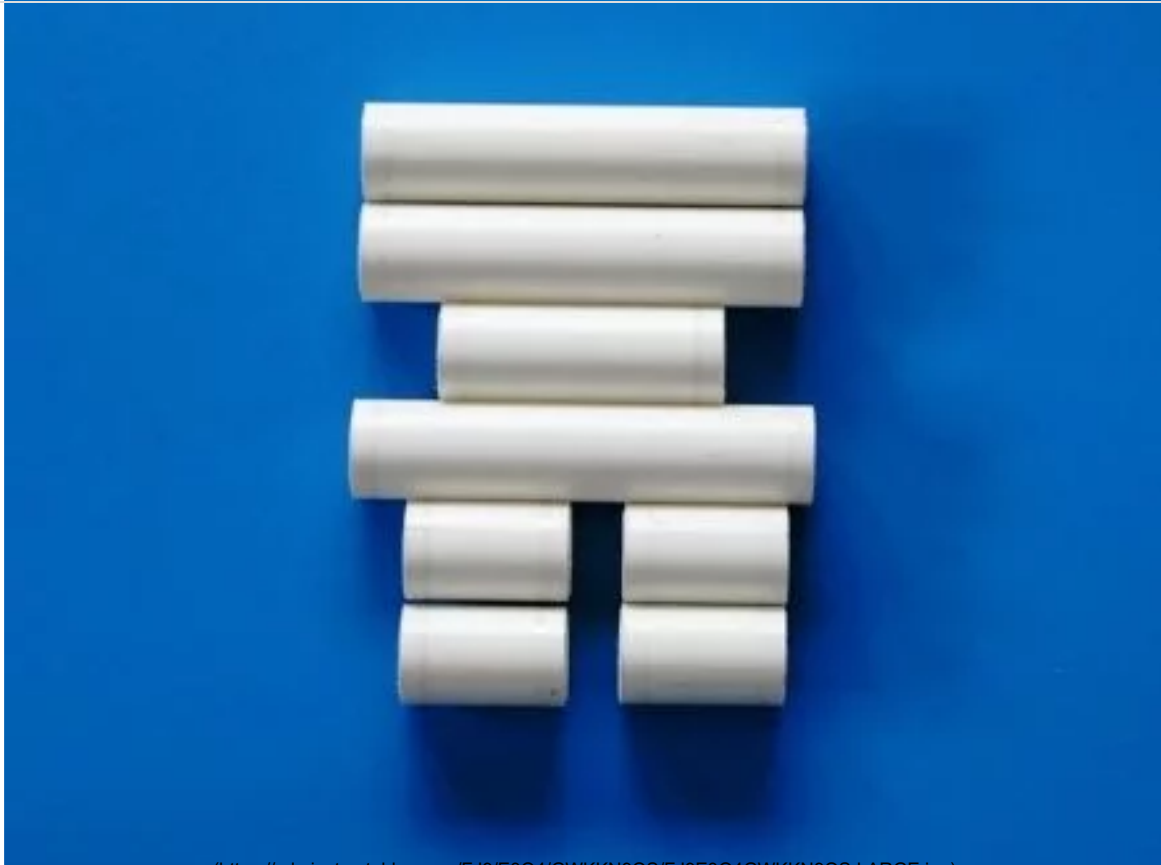
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Step 2: Cut the Pipe



Cut the pipe to the following lengths:

3 at $3\frac{3}{4}$ " (95 mm) (One is slightly larger in the picture, but I changed it.)


1 at $2\frac{3}{8}$ " (60 mm)

4 at $1\frac{3}{8}$ " (35 mm)

Notes

- If the joints are loose make the 4 small ones larger.
- You can cut the pipe with a hacksaw or other saw or with a pipe cutter. I use an inexpensive pipe cutter with a rolling knife edge; it's designed for cutting copper pipe. Other types will work, too.
- Ts may differ in size (mine are $2\frac{3}{8}$ " across). If yours are different, you may have to adjust the tube sizes.

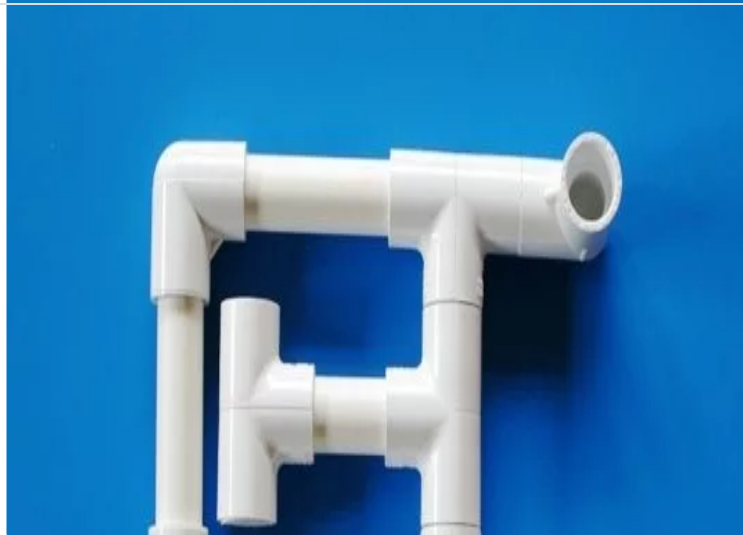
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Step 3: Assemble



Fit the pieces together, as in the picture -- loosely at first, then snug them up. (See the second picture.) If the joints are too loose, use slightly longer small pieces of pipe.

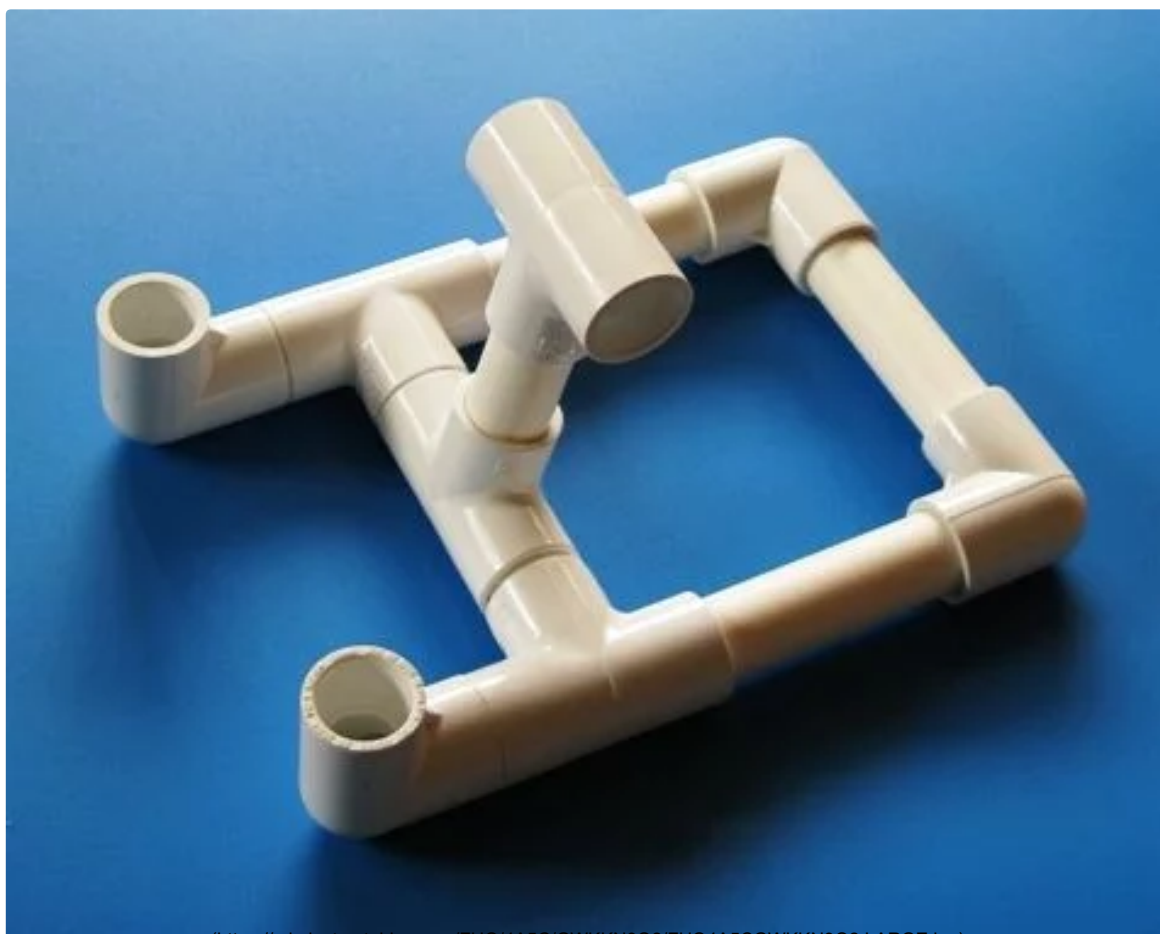
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Step 4: Friction-fit Version



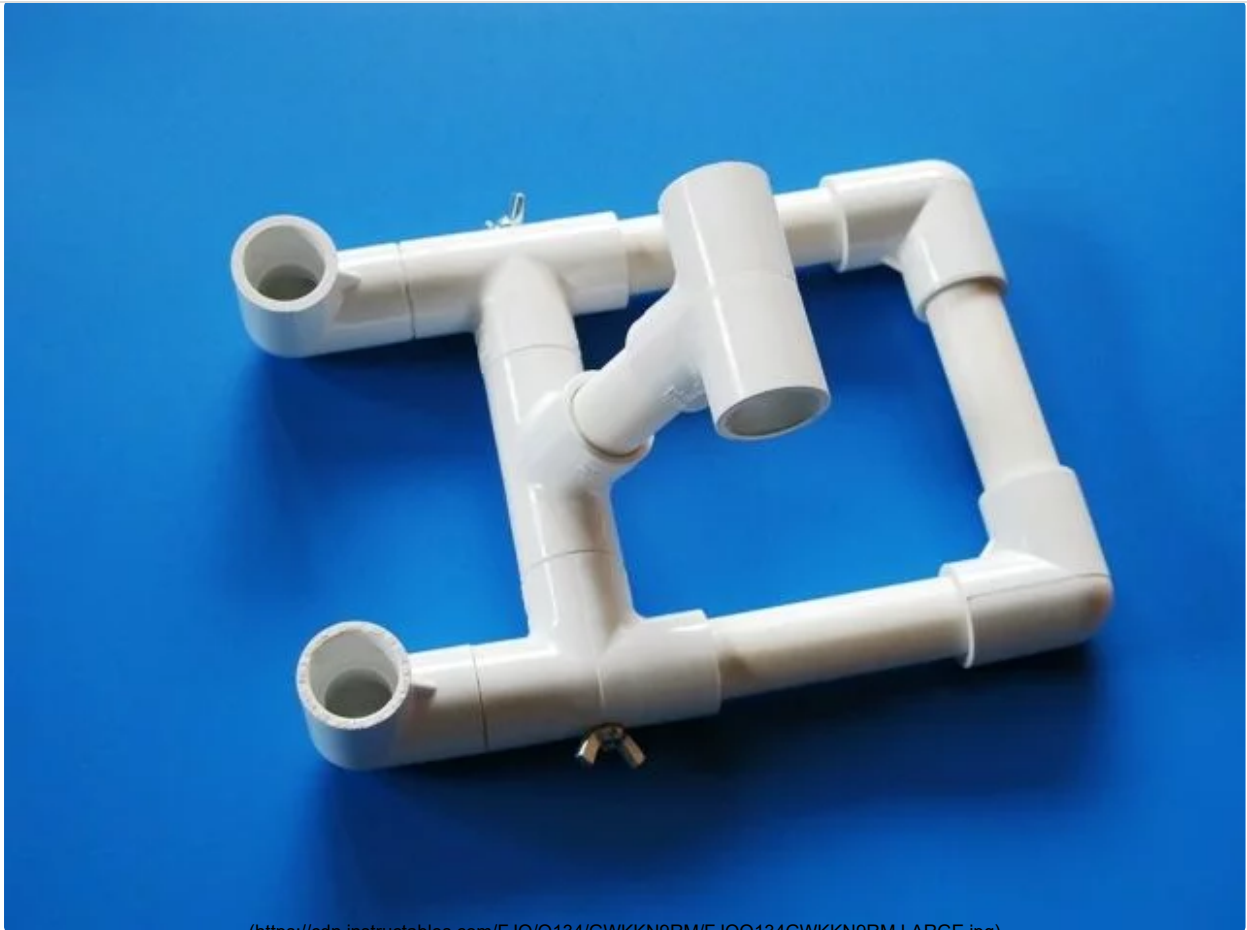
You are finished with the friction-fit version. Congratulations.

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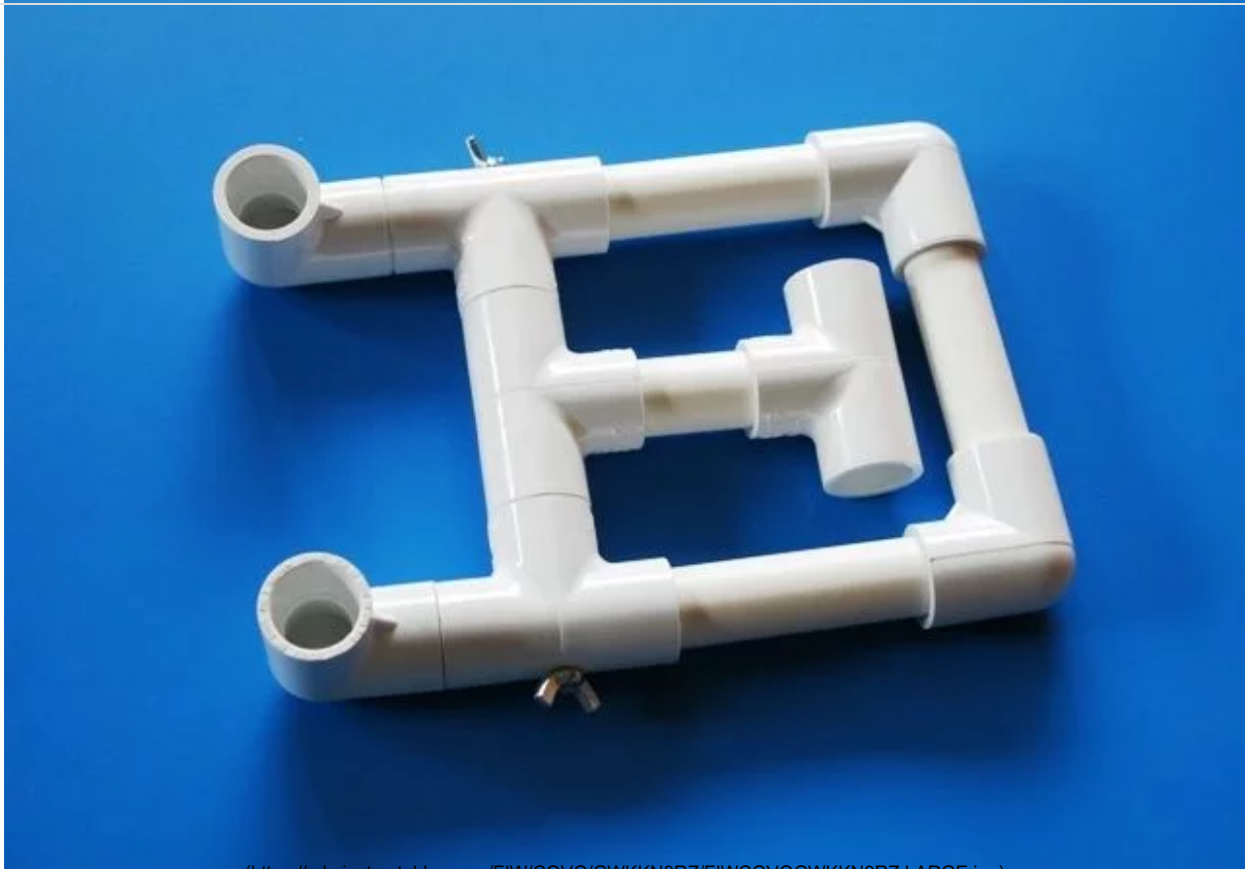
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If you are worried about the iPad flopping over, add a tensioning rod. Cut a threaded rod to $6\frac{1}{4}$ " (160 mm). The size should be $\frac{1}{4}$ " (6 mm) more than the platform width. (Your Ts may be different.) Drill a hole through the ends of the two outer Ts, push the cut rod through, and fasten with wingnuts.


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Step 6: Portable



This shows the stand folded flat for transport.

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Step 7: Enjoy