How To Build A PVC Pipe Rack Storage System

This will show you how to build a pvc pipe rack system to organize your plastic storage bins.

Before



These plastic storage bins are a nice option to store your stuff because they stack so nicely.

But the problem is that you can't get to the bottom ones without taking the whole stack down.

But this little pvc pipe rack system that lets you get to the bottom and middle bins without disturbing the ones above them.

After





How To Build A PVC Pipe Rack Storage System, by CheapSheds.com



Get started by going down to your local building supply store to grab some pvc pipe and fittings.

Material list single column

- 8) 90 degree elbows
- 12) t's
- 22) feet 1/2 inch pipe

Material list double column

- 12) 90 degree elbows
- 14) t's
- 4) x″s
- 36) feet 1/2 inch pipe

Material list for a triple column

- 16) 90 degree elbows
- 16) t's
- 8.) x″s
- 50) feet 1/2 inch pipe

Don't bother buying glue because the weight of the boxes will hold everything together, along with the naturally tight fit of the components. I used 1/2 inch pipe and it turned out to be plenty strong.

But you could use 3/4 inch if you want something a little stronger.



It was a nice day when I built this so I just worked right off the tailgate of my truck.





Measure the length, width and height of your plastic bin and compare it to the size that I'm using here.

This rack is made to fit plastic bins that are 16 inches across the top of the lid, 12 1/4 inches tall and 18 inches along the base.

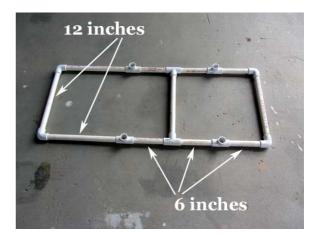
These dimensions allow just enough clearance to slid the bins in and out. If your bins is larger or smaller you can adjust the measurements accordingly.

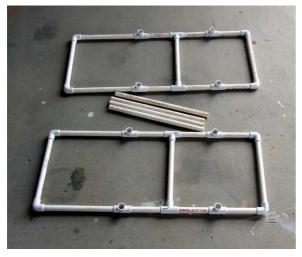
Most of the time I spend making my first rack was spend figuring out the dimensions by trial and error.

You should be able to take these measurements here measurements and adjust them to fit your bins and build a few of these in $\frac{1}{2}$ hour or less.

This entire rack is built from just 3 lengths of pipe. Cut your components and build 2 uprights for a single rack. If you want to make a double rack then you'll need 3 uprights, or 4 uprights for a triple and so on.









Cut list for a single column

- 12) at 6 inches (uprights)
- 10) at 12 inches (uprights)
- 4) at 16 1/2 inches (cross pieces)

Cut list for a double column

- 18) at 6 inches
- 15) at 12 inches
- 8.) at 16 1/2 inches

Cut list for a triple column

- 24) at 6 inches
- 20) at 12 inches
- 12) at 16 1/2 inches



Assemble the whole thing and tap the components together with a piece of wood or small a brick. You will not need PVC cement because they'll stay together nicely without it.

Now you will be able to get to the lower bins without having to take the whole stack down.

Thanks for watching this video on making a pvc pipe rack system for your plastic storage bins.

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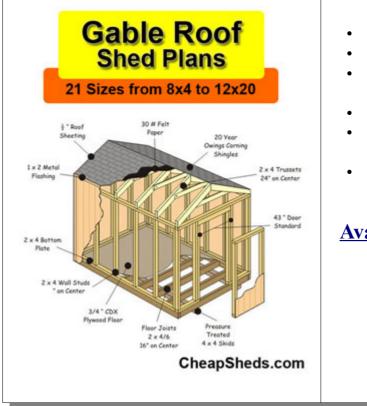
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