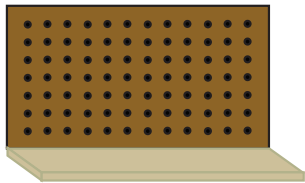


Pegboard Construction

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Ever think about building your own equipment? If you have, pegboards may be the place to start. And, of course, we have some pointers! But, beware! Unless you can find the right materials, it may end up being more trouble than it's worth!

Measurements:

Standard *IPS* pegboard measurements are as follows:

Back: 12 inches high x 19 inches wide x 1/8 in. thick with holes 1/2 inch on center

Base: 6 inches deep x 19 inches wide x 5/8 inch thick

Parts:

The pegboard to be used should have holes drilled every 1/2 inch. Note that this is half the spacing and four times the number of holes in standard, readily-available pegboard. The extra holes are necessary to provide versatility and safe equipment positioning options for *IPS* experiments.

If you cannot obtain pegboard with 1/2 inch hole spacing, it would probably be a good idea to buy commercial equipment. There are 912 holes in the pegboard we have! If you bought the standard pegboard and thought you could drill the extra holes yourself, realize that you would have to drill 684 additional holes just to make the back for a single pegboard assembly!

The base should be cut from dense particleboard and should be no less than 6 inches deep to prevent tipping.

Three “pan-head” type screws will be needed to assemble the back to the base. Be sure to use a washer that is larger than the screw head to prevent the screw from pulling through the pegboard. Screws should be at least 1 1/2 inches long (a 2” screw is even better!) to deter them from pulling out of the base.

Assembly:

Do not use nails to assemble the pegboard! They will pull loose and leave you with an unsafe, wobbly back.

Drill three guide holes along the back edge of the base to accommodate the three screws – one at the center of the back edge and one approximately 1.5” from each end. (The exact position of each of these holes will depend on where the corresponding holes are in the back piece.)

Assemble the two pieces, being careful not to overtighten the screws. If the pegboard assembly does not sit flat and stable on a lab table, special tacks or adhesive “feet” can be obtained from a hardware store to act as levelers.

If you do decide to purchase rather than build your pegboards, please consider one of the vendors who have agreed to meet *IPS* specifications. Contact info for two such vendors can be found at <http://www.sci-ips.com/ips/materials.html>.

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