

# KRM Wire & Styrene Storage Racks (Kit)

Instructions for Construction

By

Keiran Ryan

# Introduction

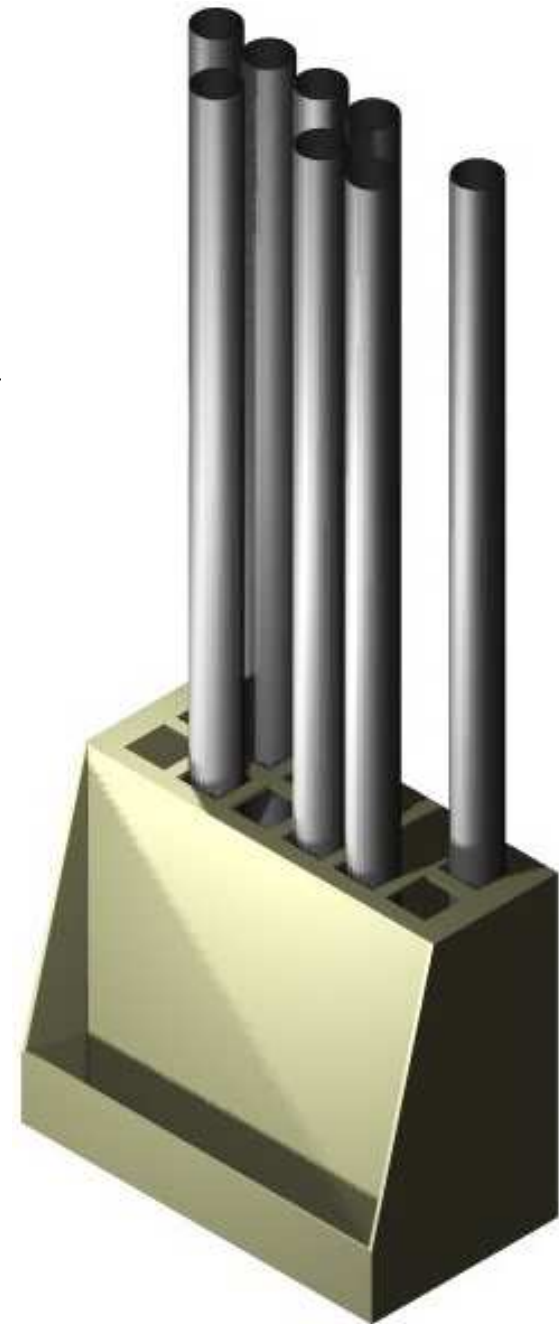
The storage of thin wire and styrene strip has always been a little cumbersome, and somewhat clumsy. So in a moment of brilliance, I have designed a simple cheap acrylic storage rack system that provides a solution to this problem.

Used in conjunction with 16mm tubes, (available from Keiran Ryan Models), this system is available as a simple kit made from 1.5mm Acrylic, which is glued together in 5 minutes, forming the storage racks. Available in both 8 and 12 rack units, these racks can be simply placed together at the back of your bench and all of your fine detailed scratch building material can be located in the one place in easily labeled tubes.

# Outcome



The completed 8  
and 12 hole storage  
bin with 5 and 8  
storage tubes in  
place.



# Construction Hints & Tips

- Read the instructions 3 times so that you have a full understanding of the kit before you actually start construction.
- Identify the parts, and test fit them before gluing them in place.
- Be careful using the 1.5mm acrylic, as it can be very brittle and easily damaged.
- When finished building the kit, **do not drop the tubes into the rack** , but ease them into location, as damage can occur to the bottom lattice if the tubes strike it with force, if the holes are missed.
- Use a dymo or “P” type labeler to label your 16mm tube.
- This kit uses Dichloromethane as an acrylic glue, which can be dangerous if used in a confined space, please use a mask and operate in a well ventilated area.

# Health Warning

The following is a warning for using **Dichloromethane**:

## Principal hazards

- \*\*\* Dichloromethane is harmful if you swallow or inhale it.
- \*\*\* It may act as a narcotic, so inhaling it will make you feel unwell.
- \*\*\* Like many small hydrocarbons that contain halogen atoms, dichloromethane is a suspected carcinogen. It is unlikely to be strongly carcinogenic, but it is important to reduce your exposure to the lowest level possible.

## Safe handling

Wear safety glasses. Work in a well-ventilated area. Avoid repeated or long-lasting exposure.

## Emergency

**Eye contact:** Immediately flush the eye with water. If irritation persists, call for medical help.

**Skin contact:** Wash off with soap and water.

**If swallowed:** Call for medical help.

## Disposal

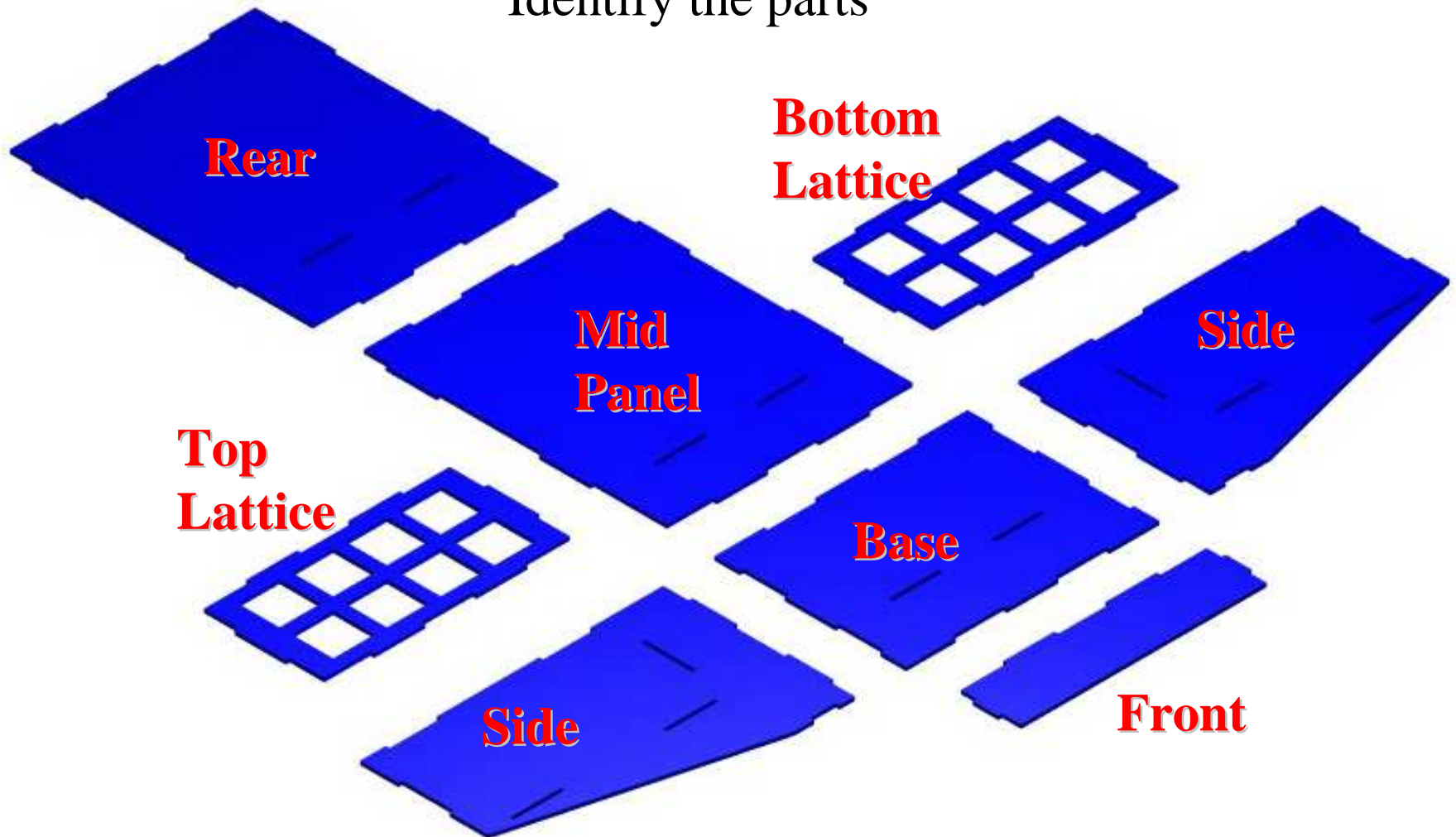
Store for later disposal as chlorinated waste solvent.

## Protective equipment

Safety glasses.

# KRM Wire & Styrene Storage Racks (Kit) Step - 1

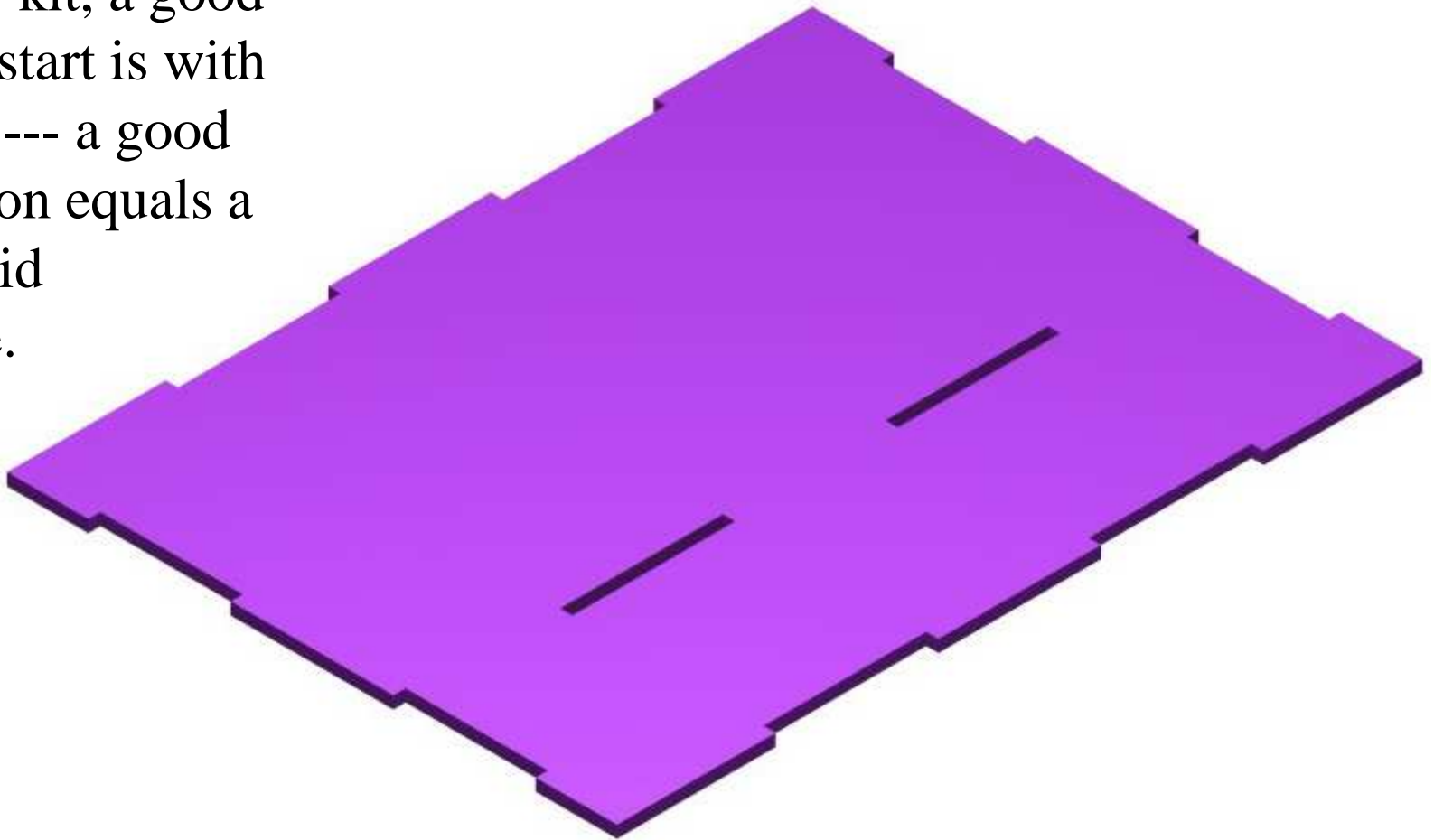
Identify the parts



# KRM Wire & Styrene Storage Racks (Kit) Step - 2

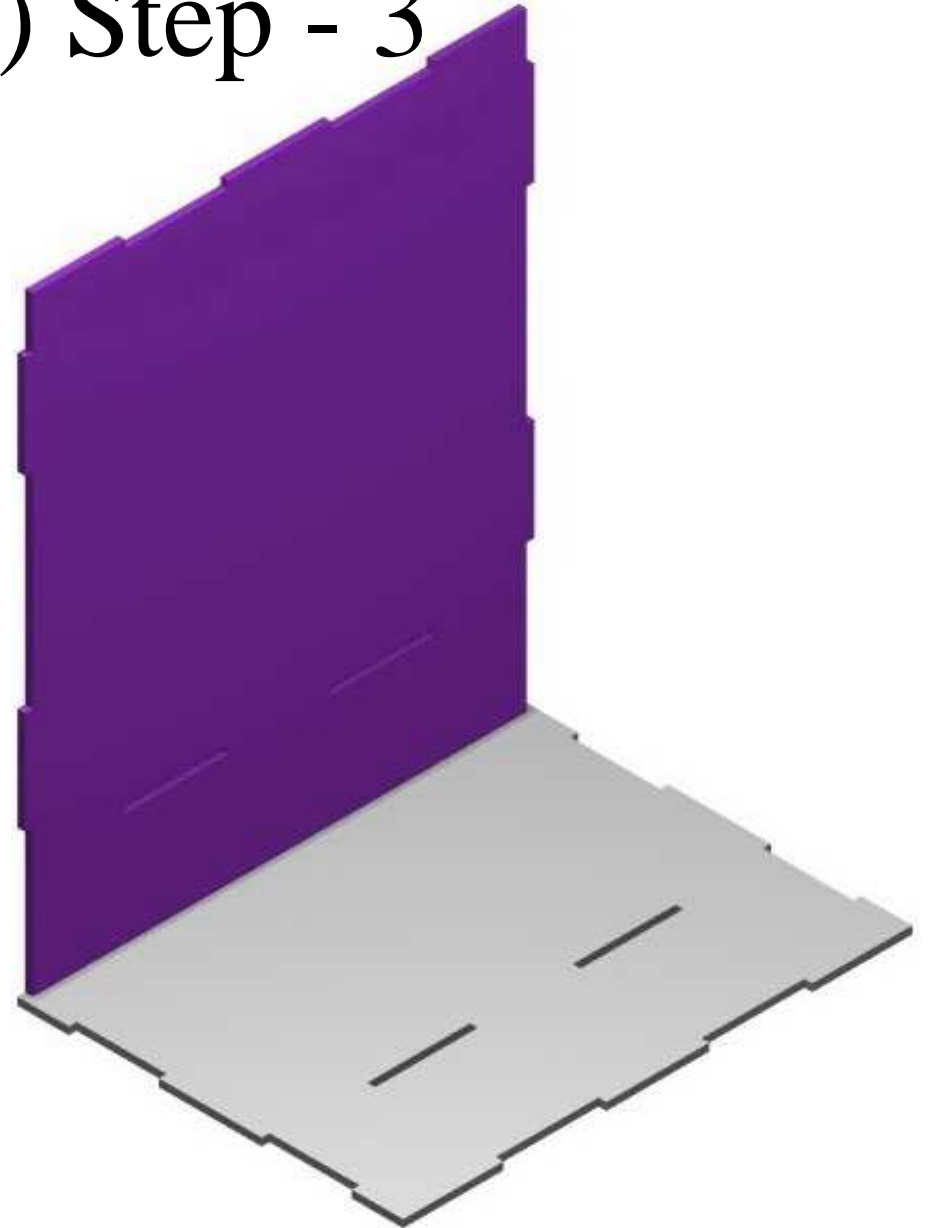
Grey – Last part placed. Purple – New part placed

Like any kit, a good place to start is with the base --- a good foundation equals a good solid structure.



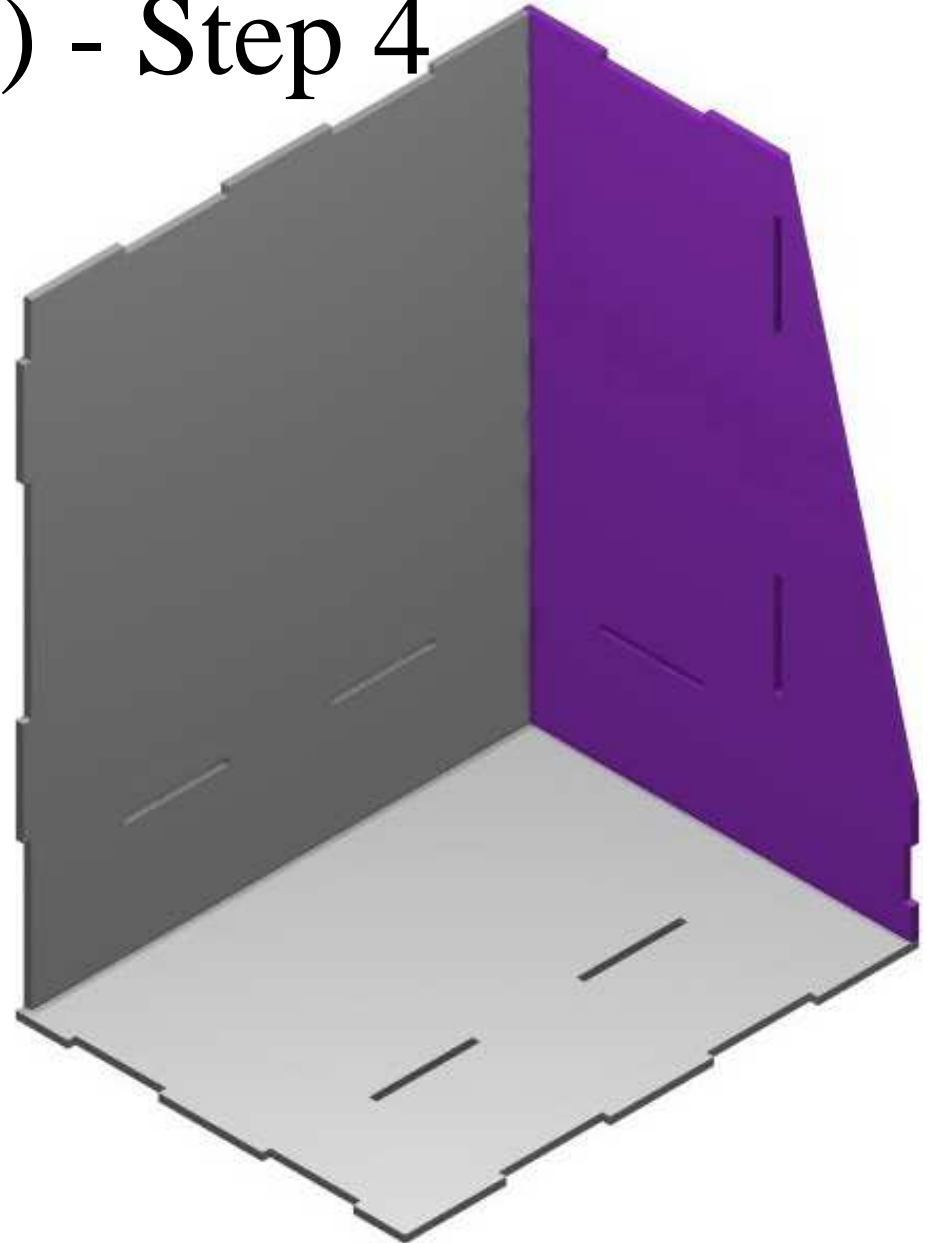
# KRM Wire & Styrene Storage Racks (Kit) Step - 3

Locate the back piece  
into the tabs of the  
base



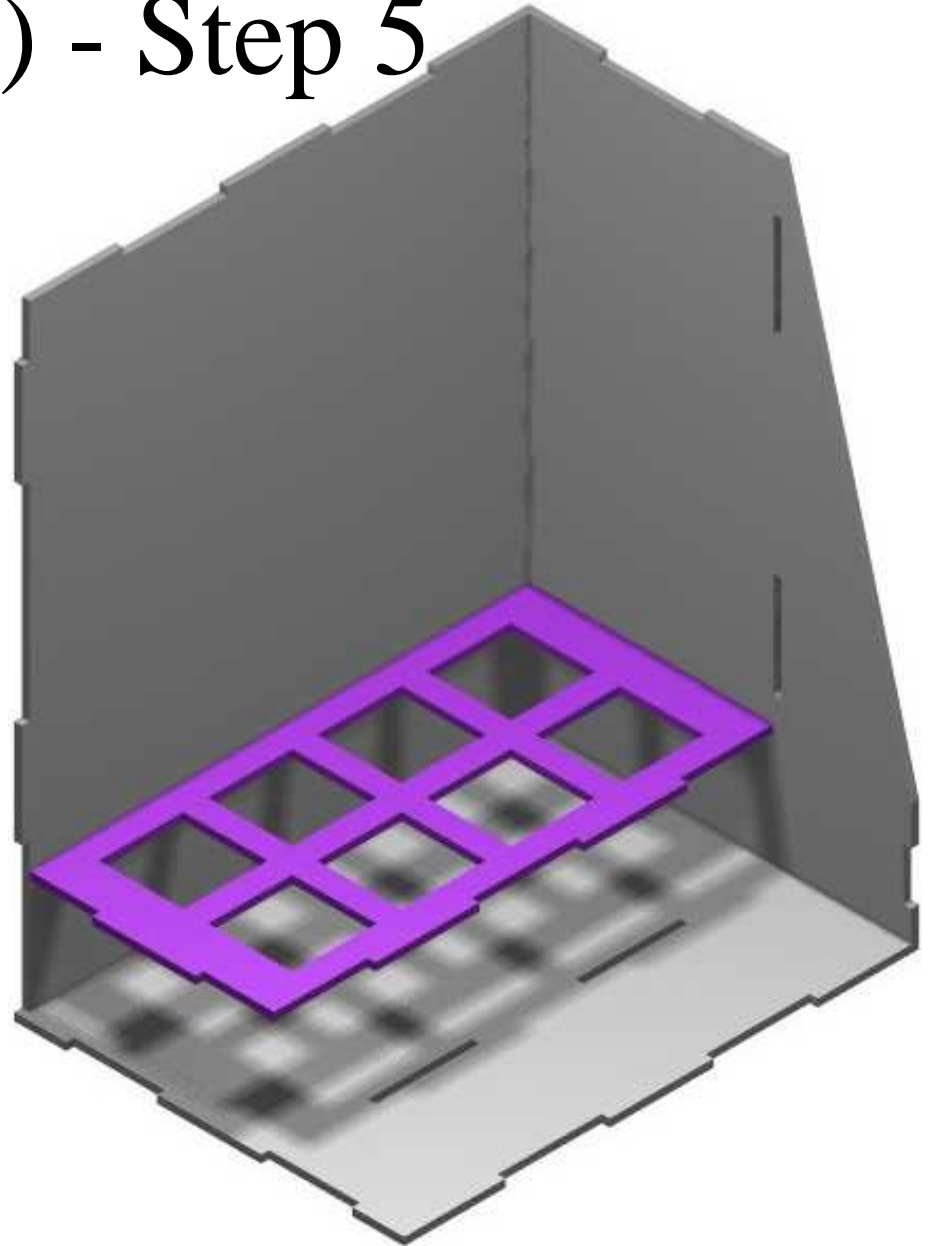
# KRM Wire & Styrene Storage Racks (Kit) - Step 4

Place one of the  
sides onto the  
back and base,  
again the tabs will  
assist in locating.



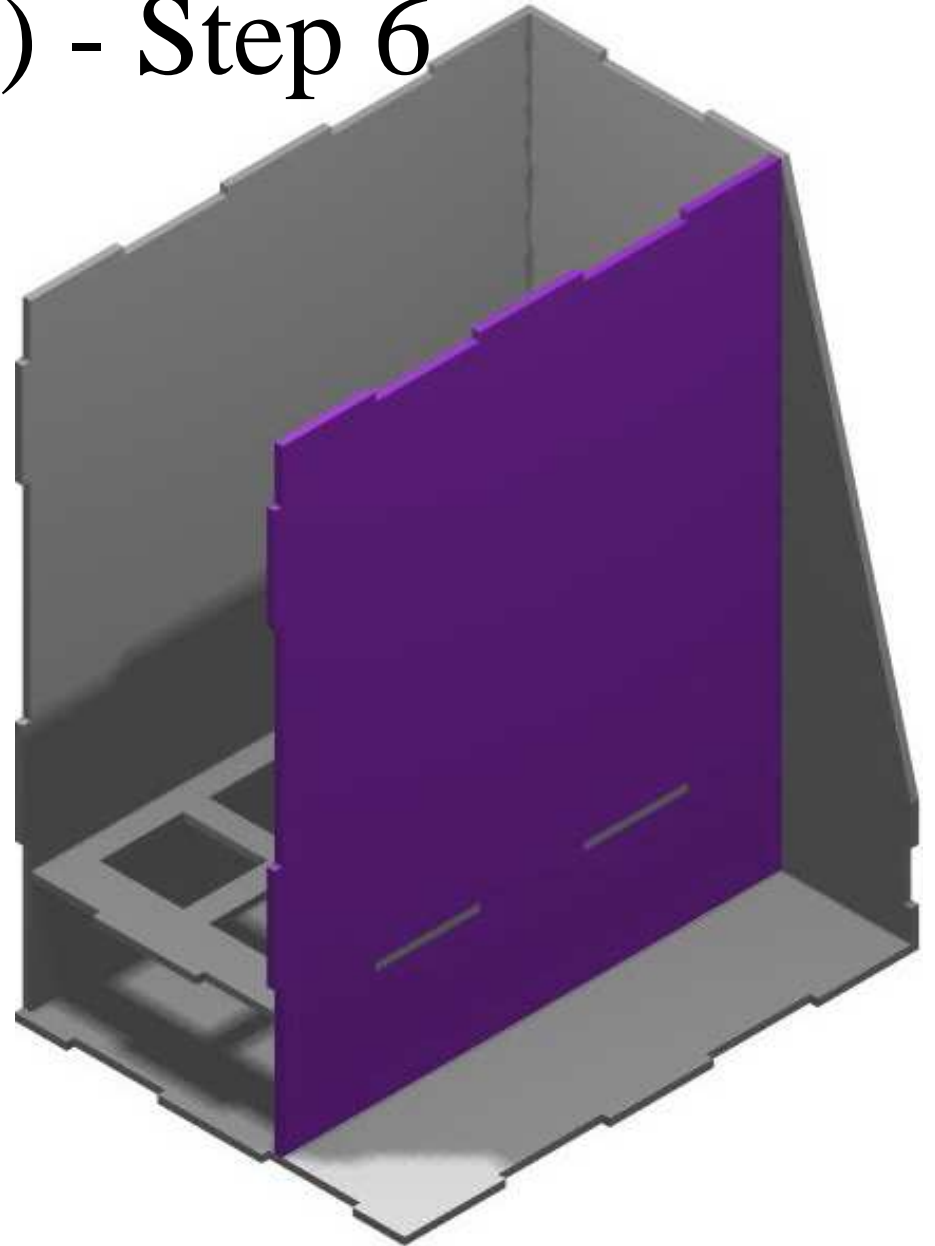
# KRM Wire & Styrene Storage Racks (Kit) - Step 5

Fit the bottom lattice to the back and to the side. This forms the piece that locates the tubes in place.



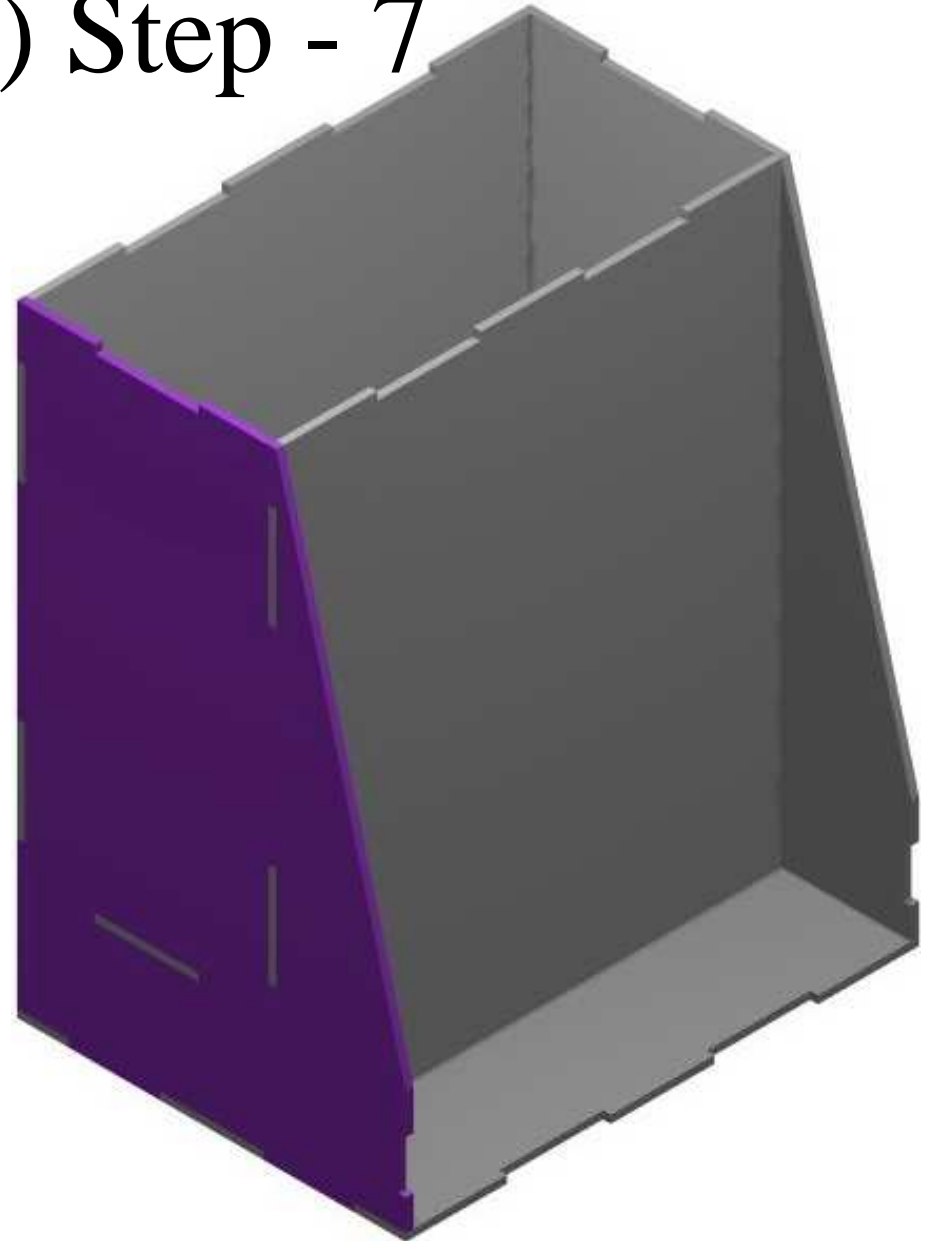
# KRM Wire & Styrene Storage Racks (Kit) - Step 6

Locate the mid panel as shown on the right, again using the tabs to assist construction.



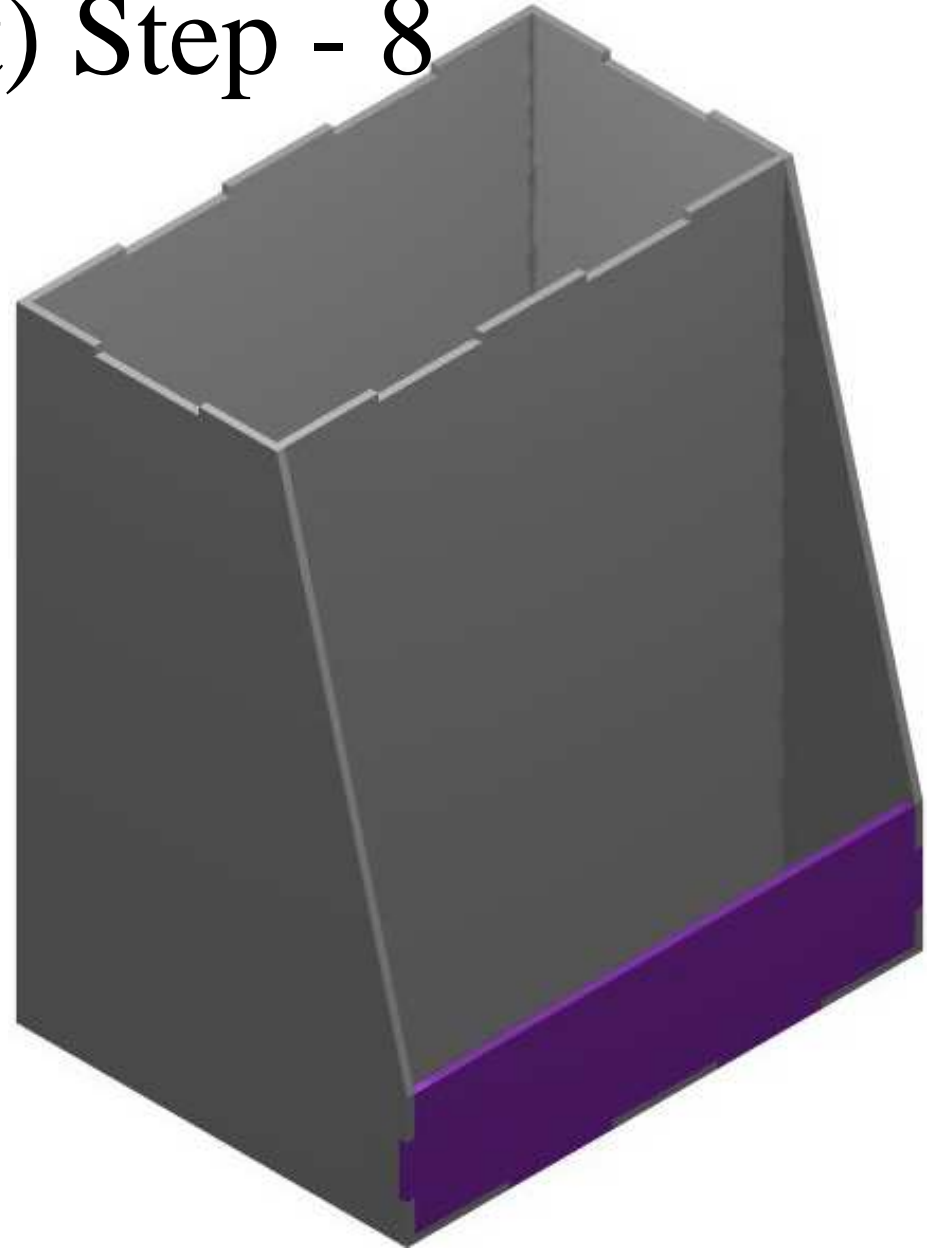
# KRM Wire & Styrene Storage Racks (Kit) Step - 7

Place the right side  
panel in place,  
forming a sturdy box  
formation.



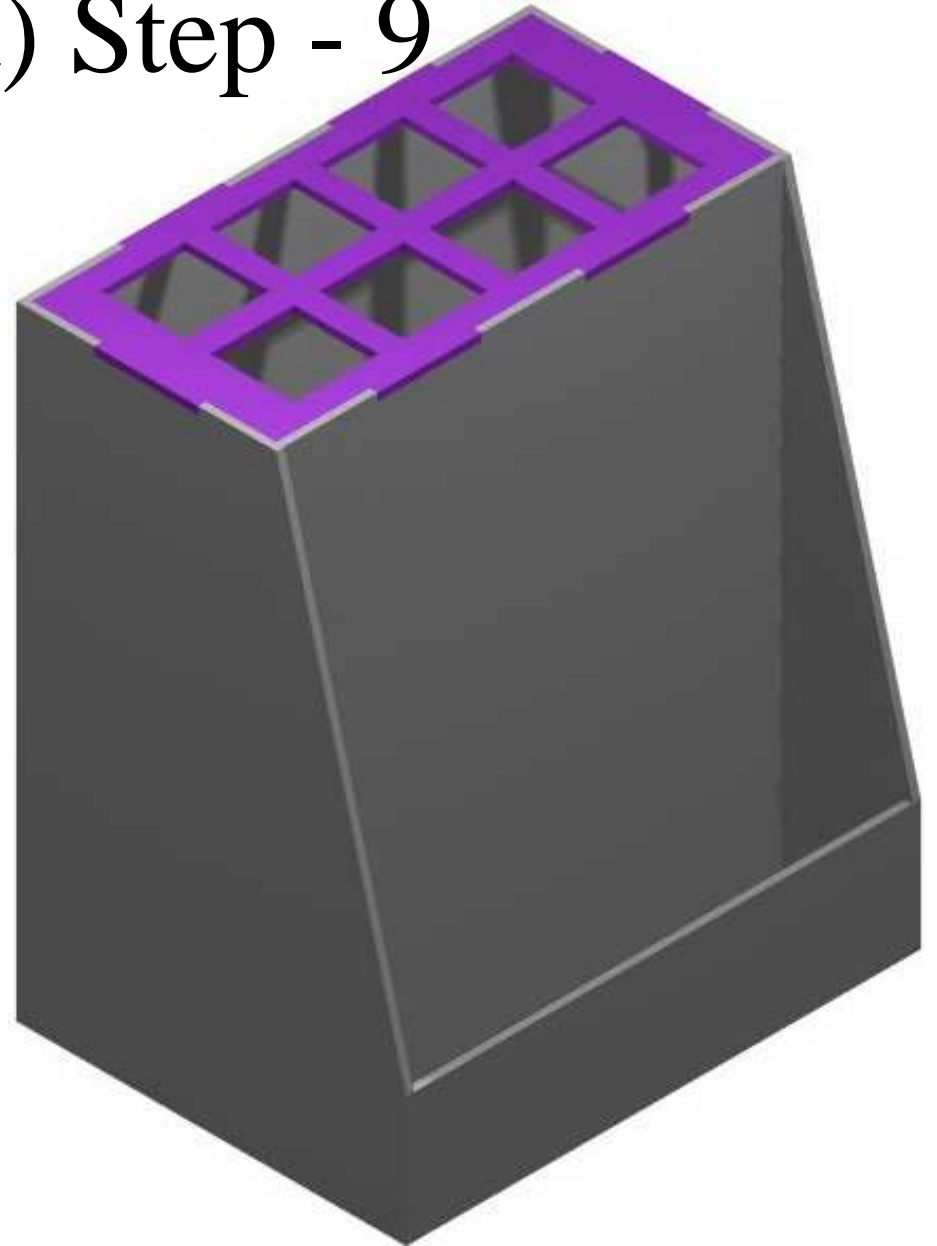
# KRM Wire & Styrene Storage Racks (Kit) Step - 8

The front panel is fitted, producing a small tray for storing smaller sections of brass wire or strip styrene.



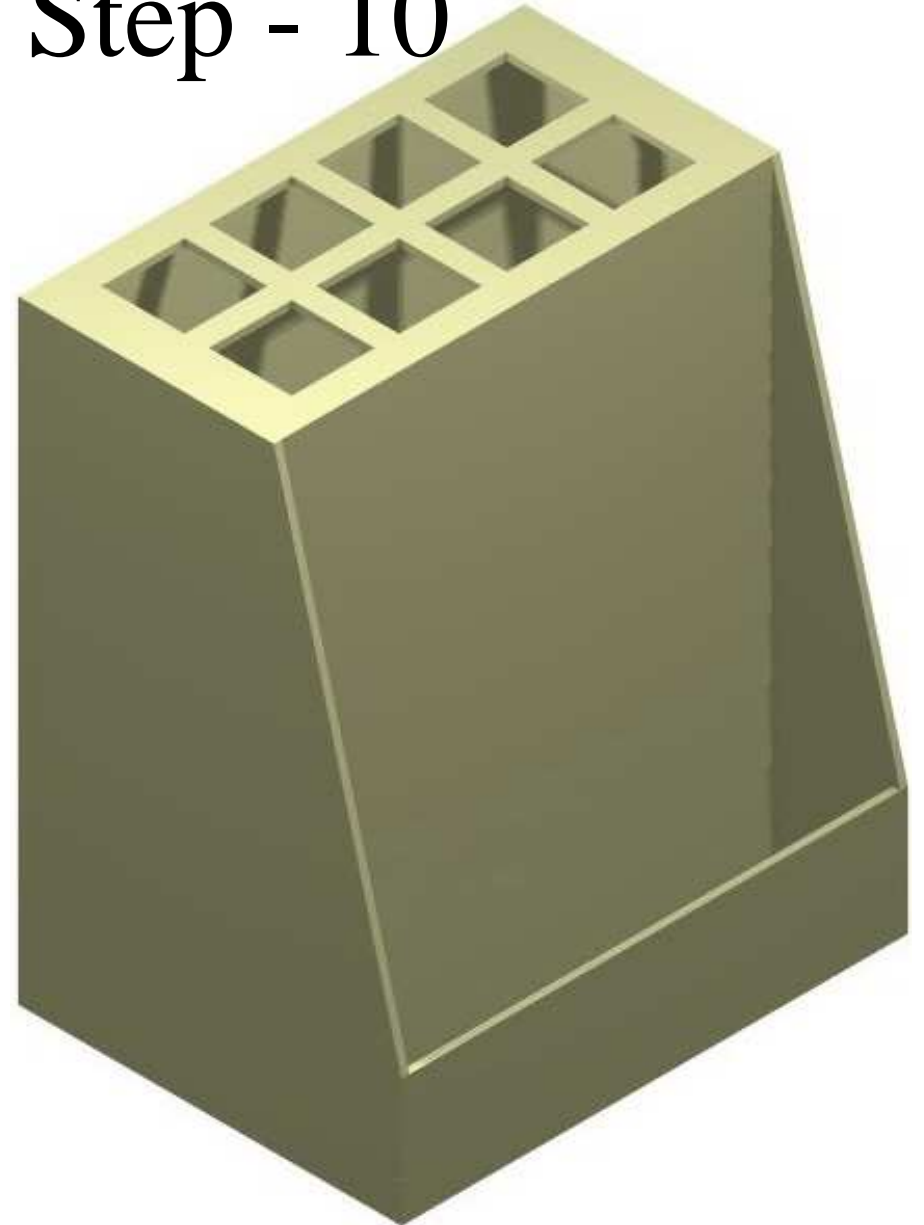
# KRM Wire & Styrene Storage Racks (Kit) Step - 9

The top lattice panel is fitted which makes the rack complete. The top lattice, in conjunction with the lower lattice, allow the 16mm tubes to be locate in place, and stand upright.



# KRM Wire & Styrene Storage Racks (Kit) Step - 10

The finished storage rack, ready for use. Allow the glue to dry before placing tubes in the rack, as you do not want to glue the tubes into the rack.



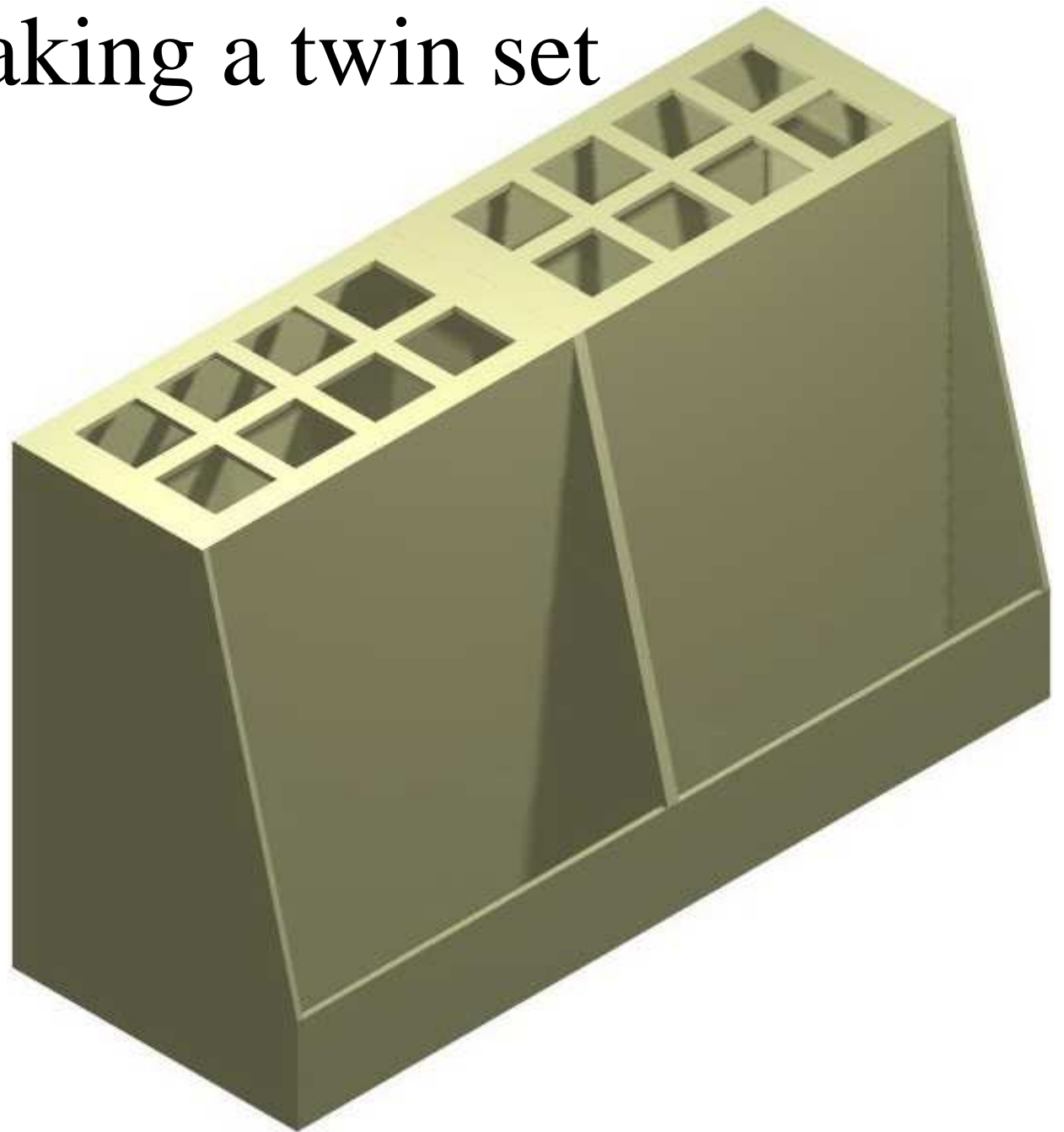
# KRM Wire & Styrene Storage Racks (Kit) - 12 Hole Unit

The 12 hole storage rack, is 1/3<sup>rd</sup> bigger for those bigger storage jobs.



# Making a twin set

By placing 2 racks together you now have all your fine detail parts in one location. It is as simple as gluing the 2 storage racks together.



# Conclusion

- As you can see the racks are very simple to put together, as the tabs in the parts make it virtually impossible to make a mistake.
- The tray at the front of the rack, allows you to store your smaller lengths of brass wire or styrene strip, or you can still place it in the tubes to keep all the same sizes together.
- There is a certain discipline to maintaining a neat and tidy modelling work area, and these storage racks will help in that regard, by keeping your wire and strip styrene in the one location, but still within arms reach.

# Feedback

If you have a problem with the construction of this Storage Rack (kit), or you can think of, better ways of constructing the kit, please let me know your ideas, so that others can benefit from your thoughts.

Any feedback, be it positive or negative is welcome, and can be directed to any of the media below.

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