Keiran Ryan Models
KRM Misc 001
Handrail Bending and Drilling Jig

Instructions.

Produced By
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Introduction to this Jig

The Handrail Bending and Drilling Jig has been available for the last few years and has recently had a facelift, to allow it to be more versatile for the modellers.

The Jig is made from 0.3mm half hard brass, with holes allowing for 0.3mm, 0.4mm and 0.5mm wire, with a capacity of 0.5mm up to 50mm handrails. (0.5mm)

One of the problems was that the holes were 0.5mm which meant that smaller wire was a sloppy fit in the jig.

This has been addressed with the new Octagonal Bending and Drilling Jig.

How does it work?

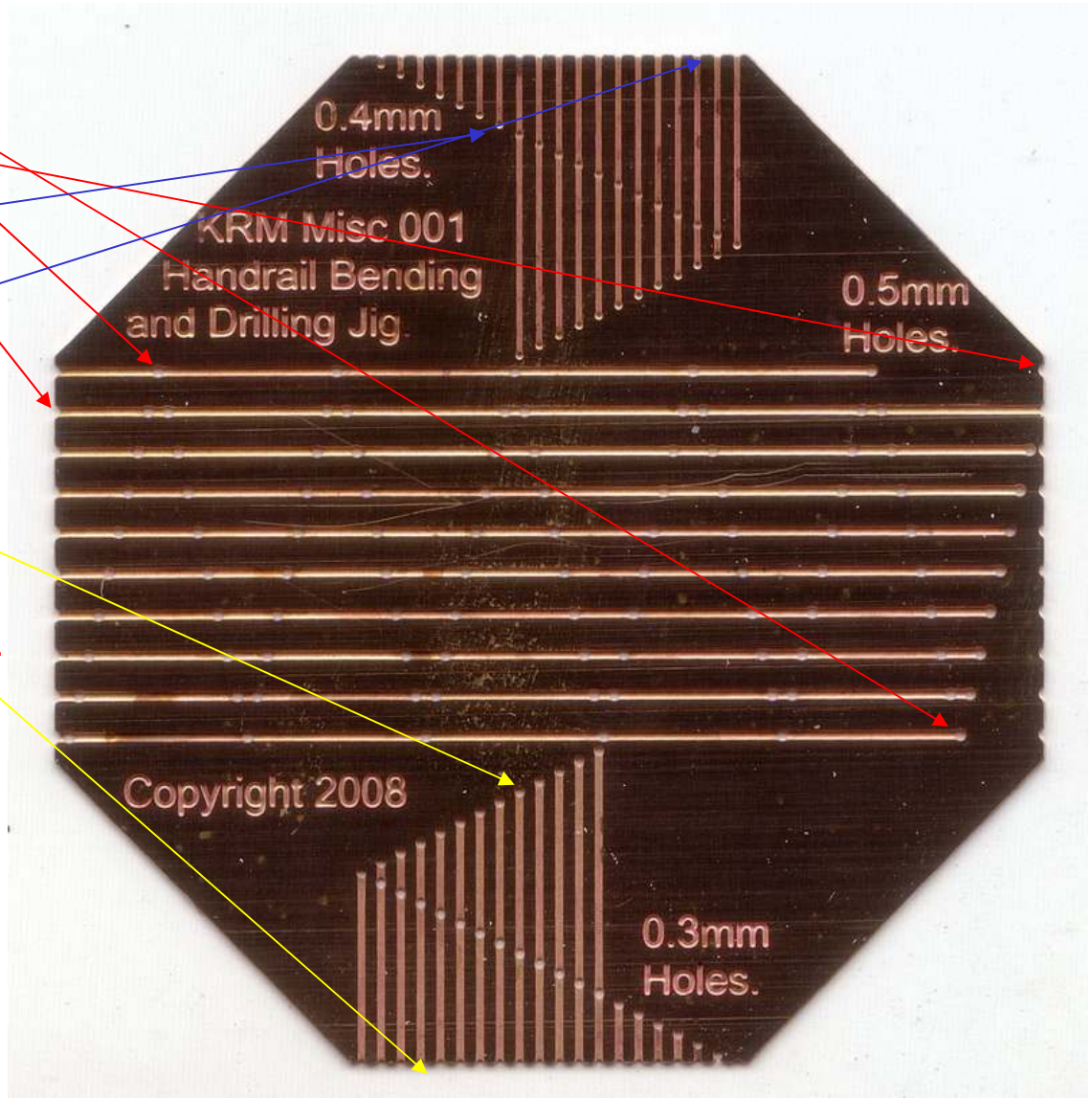
Simply put:

1. The Jig can be used directly to locate wire in the appropriate hole, bend the wire at 90 degs, and then using the scallops bend the wire again at 90 degs and then repeat the process, with uniform handrails being produced.

2. Use the jig to drill holes in 1mm or 1.5mm styrene, and place the wire into the styrene to bend, (maximising the life of the jig (I really don't mind you wearing them out, just buy another jig when you wear out the one that you have).

Lets Look at the Jig

1. 0.5mm holes
2. 0.5mm scallops
3. 0.4mm holes
4. 0.4mm scallops
5. 0.3mm holes
6. 0.3mm scallops



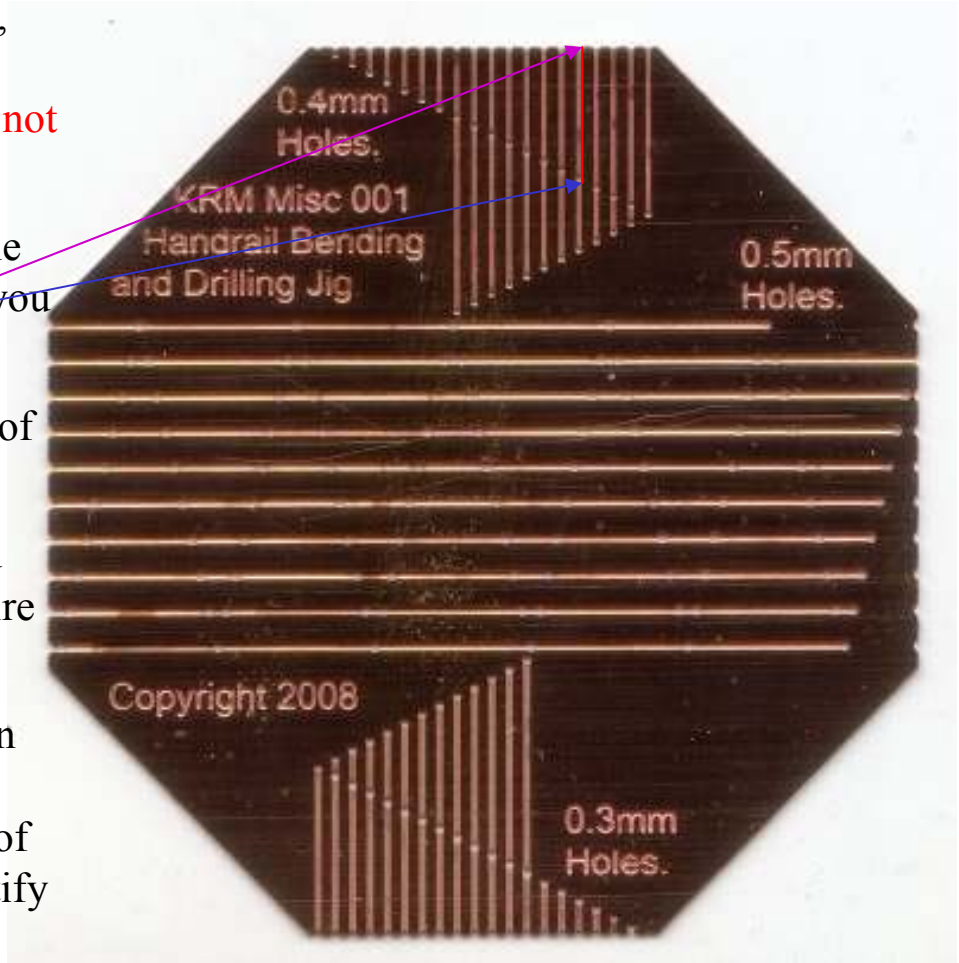
There is an ERROR with this jig -- The 0.3mm and the 0.4mm holes have been interchanged when the art work was done, Please use the jig with the knowledge that the , 0.3mm holes are at the top, and 0.4mm holes are at the bottom. Sorry about the problem -----

Keiran

Using the Jig

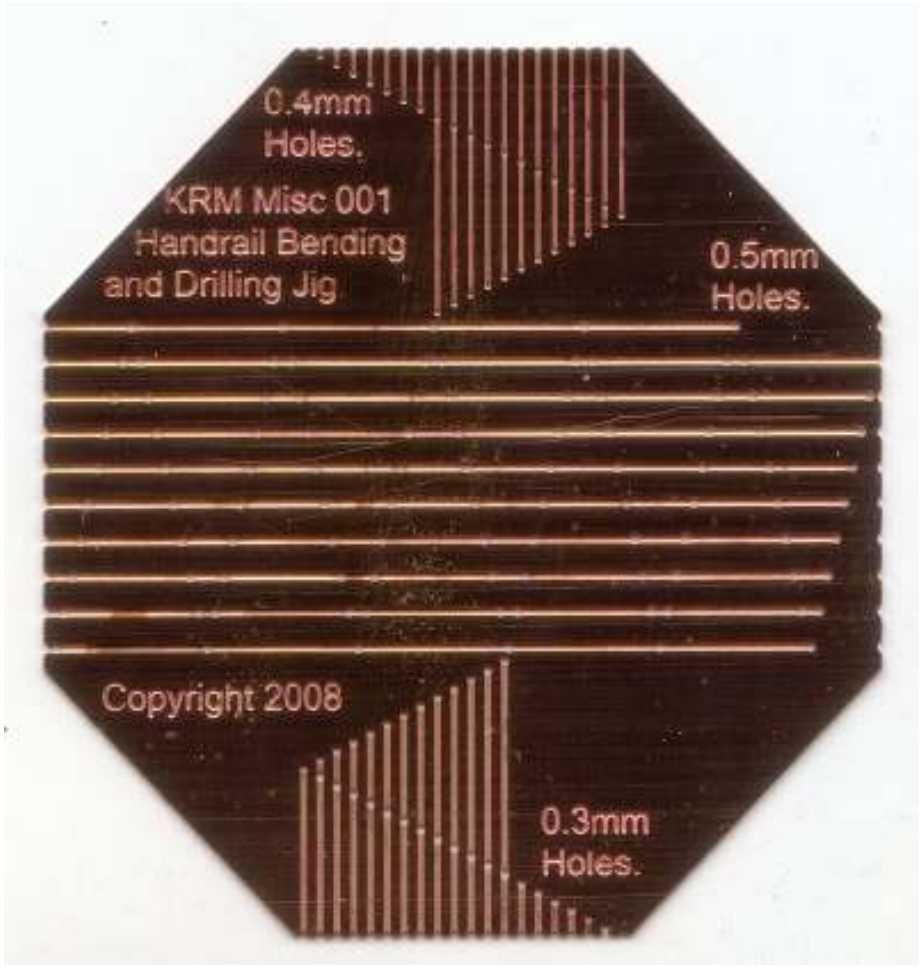
In this example we will be using o.3mm wire the make a set of similar hand rail.

1. Before you start to bend the wire, try a sample to obtain the correct hole to use
2. Bend a piece of 0.3mm wire at 90 degrees, with the small bend about 3-5mm long (remember the 0.3mm holes are at the top not the bottom)
3. Place the short end of the wire into the hole that will allow you the length of handrail you require. (1)
4. Locate the wire over a scallop at the edge of the Jig (2)
5. Push the wire against the scallop and bend the wire at 90 degrees, remove the bent wire handrail, and repeat the process.
6. A simple idea would be to mark the hole in some way so that you can identify it when you repeat the process, or scan a drawing of the jig and mark the scanned copy to identify the hole.

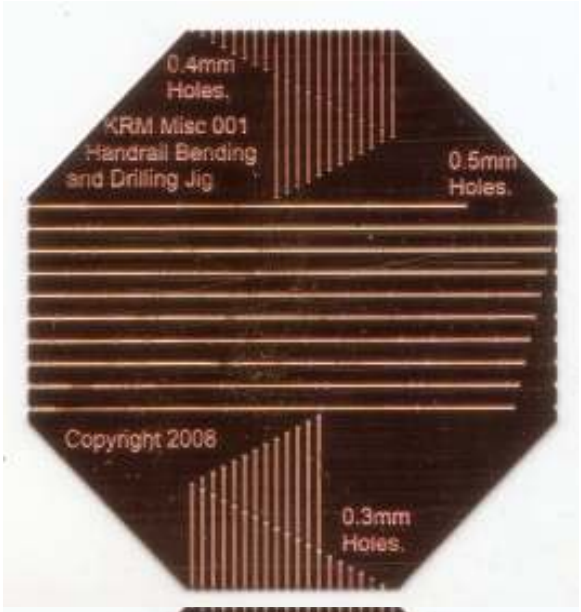


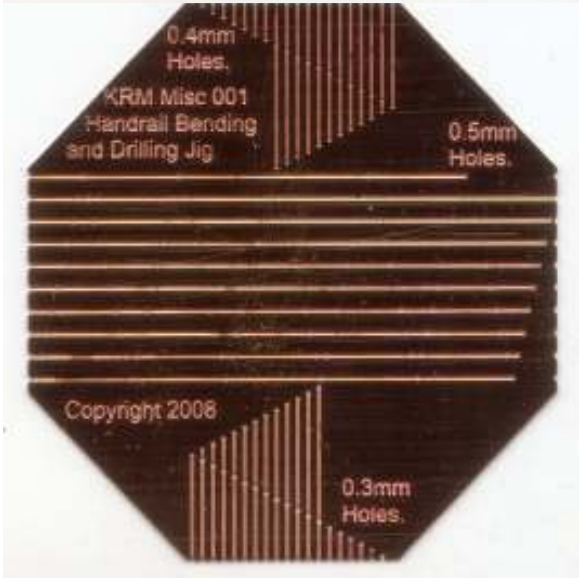
Another way to use the Jig

1. Cut a square piece of 1mm (.040”) styrene and scribe a line in the styrene
2. Drill a hole to the wire size that you will be using on the scribe line.
3. Locate a small length of wire in the hole that you just drilled.
4. Place the jig scallop against the piece of wire, using the correct scallop.
5. Drill the styrene through the hole for the correct length of the handrail.
6. Remove the jig, remove the wire, and snap the styrene on the scribe line.
7. Clean up the styrene edge, and use the styrene as the jig. This will minimise the wear and tear on the brass jig.
8. The first hole drilled in the scribe line will act as the new scallop.
9. The jig can also be use to drill holes in the body of wagons so that the handrails that you just made will fit correctly.

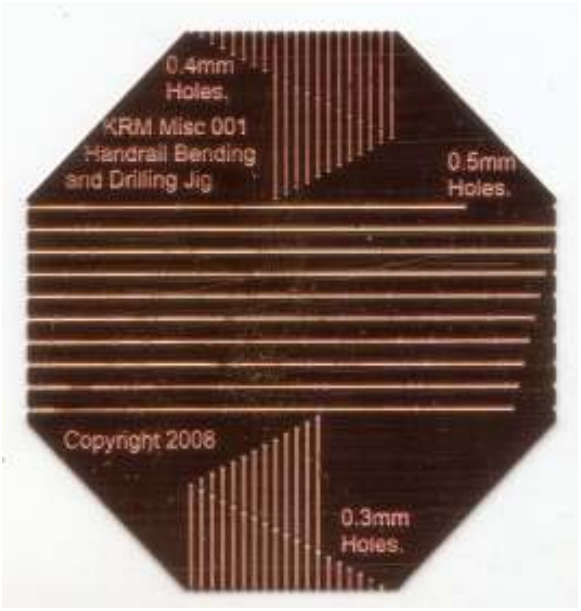


Thank you





Thank you for the purchase of the KRM Misc 001 Bending and Drilling Jig, I hope you enjoy using this jig.



If you have yet to purchase this jig, just print out an order form, and for a low cost of $6.60 plus postage, you can receive one in the post in a few days.