

Palatine Models

180 Alex Jackson jig

The purpose of this jig is to enable the user to make a perfect 180° first bend which will allow the completion of an accurately formed Alex Jackson coupling.

Please note you will need two 12BA nuts and bolts for the construction of this jig.

- 1) Carefully cut through the retaining tags to remove the three parts of the jig from the etch.
- 2) Remove any traces of the tags by filing or using wet and dry paper. Ensure all burrs are removed and clean the parts by your preferred method.
- 3) Fold up the triangular wire guide on each of the top plates to 90° using a straight edge with the fold line on the inside and run some solder along this line for additional strength.
- 4) Take one of the top plates and fasten to the base plate using 12BA nuts and bolts. From the underside of the base plate liberally apply flux to all edges of the etched access squares and solder the top plate to the base plate.
- 5) Using a piece of 11thou wire as a spacer, screw the other half of the top plate to the base plate. The two halves of the top plate should not grip the wire but allow for a nice sliding fit. When satisfied with its position solder from beneath using the access squares provided. Remove the two nuts and bolts and your jig is ready to use.

The base plate to this jig has been deliberately half etched to allow it to be more easily soldered together using a standard 18-25 watt iron. If treated heavily the two thicker top plates may cause the base to fold. To avoid this a spare piece of etch may be soldered to the underside of the base plate to provide rigidity.

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The 180 jig assembled. Use solder holes underneath to join the 2 levels together.

The Alex Jackson wire after the first bend. Bend the wire as far back as you can.

Place the wire in the jig. It has been held in place with Blu-Tak to aid photography.

View of wire from front

Using pliers squeeze the wire together making the 180 bend. These are parallel action pliers and are ideal for the job (obtainable from Squires and Eileens).