

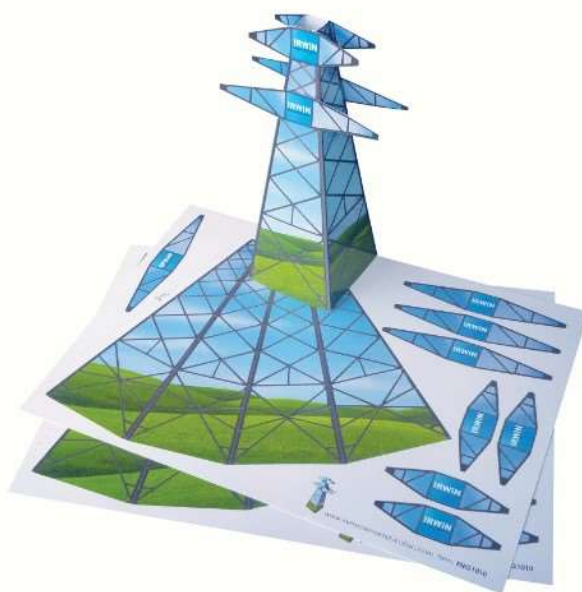


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IPC Irwin National Grid Pylons

Part Number ENG1010

User Instructions



INTRODUCTION.

The National Grid Pylons are used to help demonstrate the routing of high voltage power lines safely across the country from the power station to the home. Each pylon comes printed on an A4 sheet of card and there are two sheets per pack. The pylons can be used as replacements for the IPC Irwin National Grid Simulation Kit (ENG1000) or simply as stand-a-lone items.

INSTRUCTIONS.

To assemble the pylons, you will need a sharp pair of scissors, a ruler, paper glue and eight paper clips.

Using the ruler and one edge of the scissors, score a total of three lines down the centre of the three long “edges” of the pylon and also down the inside edge of the tab. This is to allow you to easily fold the pylon shape.

Then using the scissors, cut out the main shape ensuring that you cut around, not through, the long tab. Now cut out the eight smaller shapes, please cut these accurately as they will eventually be glued back-to-back.

Next put a bead of glue along the long tab and fold the pylon body to fit, then press the tab inside the pylon body and allow to set.

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Now take a pair of the larger “supports” and glue them back-to-back, repeat with the other three pairs.

Next put a spot of glue on the IPC Irwin symbol and stick one of the smaller sections to the top of the main pylon, ensuring that the name IPC Irwin is correctly orientated. Then rotate the pylon through 180 degrees and repeat with the other small section. Similarly glue the two larger sections approximately 1.5 cm below.

A picture of the finished pylon is shown at the bottom of the card, please refer to this when assembling.

Finally fit four paper clips near the ends of the long support sections and use these to carry the power lines, simply repeat with the other sheet. **Note:** for storage the pylons may be flattened.

SPECIFICATIONS.

Pylon height = 185mm
Pylon base = 65mm (square)
Pylon support = 108mm (width)
Quantity = 2 per pack.

Please Note: This Equipment is for Education, Training, or research Purposes Only.

Thank you for choosing this IPC Irwin product, which has specifically been designed for education and we know it will bring you good service long into the future. This is just one product of a wide range of UK designed and manufactured products to enhance a STEM education, please see www.ipcirwin.com website for more details on the products and service we provide to support teaching and learning in science and technology.

IPC Irwin also provide Portable Appliance Testers and a Calibration service, for more details please go to www.ipcirwin.com or call our sales and technical support line on 015395 58555.



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