

## IMPORTANT!

This equipment is intended to be used as a restraining clamp for electrofusion welding. It is designed for attachment on either service or mains pipe systems incorporating electrofusion sockets, reducers and elbows, up to 3 inch diameter.

This manual gives instructions on the correct assembly and safe use of your clamp. It is important that you read these instructions carefully, and keep these instructions for the life of the clamp.

This manual does not detail the specific welding procedure for the fittings: scraping, clamping and assembly of joints. For this information you must contact the manufacturer of the fittings.

Regularly check for obvious defects such as loose or damaged parts. Look for worn components and missing parts. There are no user serviceable parts on the clamp. It should be returned to an approved service agent for repair.

After use, clean the clamp with a soft brush or cloth.

Operating sizes: ½", ¾", 1", 1¼", 1½", 2" IPS pipes  
½", 1", 1¼", 2" IPS & ½", 1", 1¼" CTS pipes  
16, 20, 25, 32, 40, 50, 63 MM pipes

Operating temperature: -40 °F to +122 °F

Size: 8½" x 7" x 7"

Weight: 2¾ lb



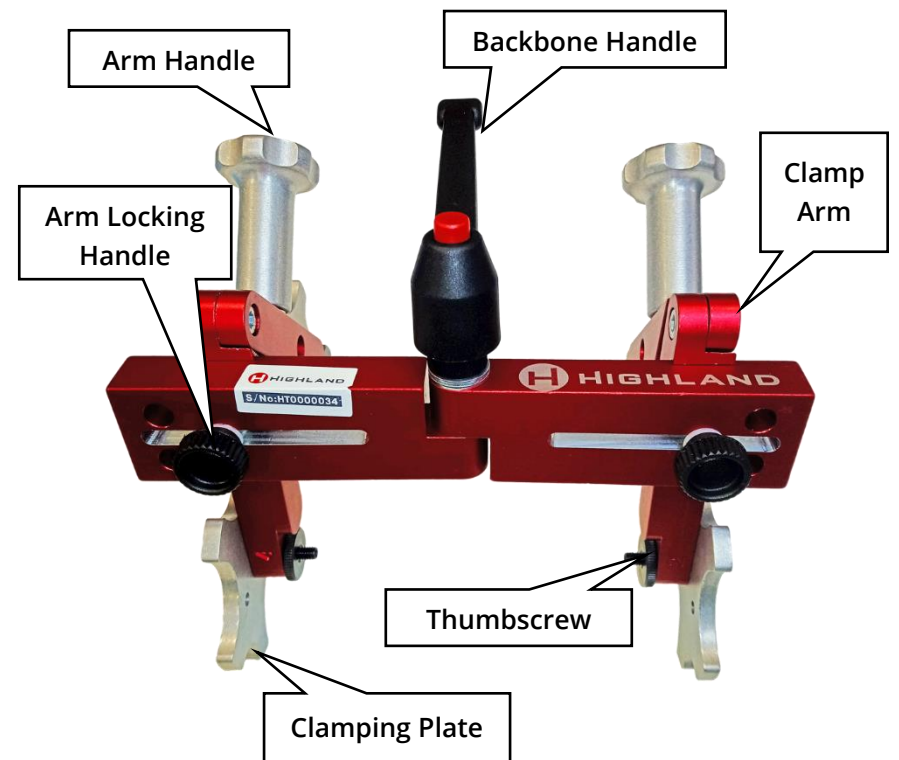
Wear Personal Protective Equipment When Using This Tool

# **HIGHLAND** VARICLAMP

½", ¾", 1", 1¼", 1½", 2" IPS pipes

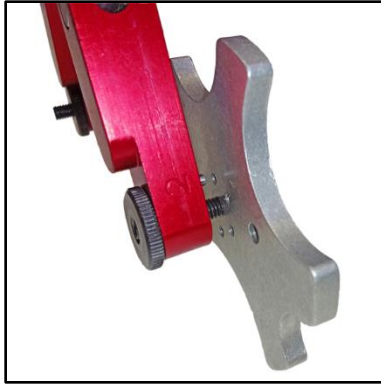
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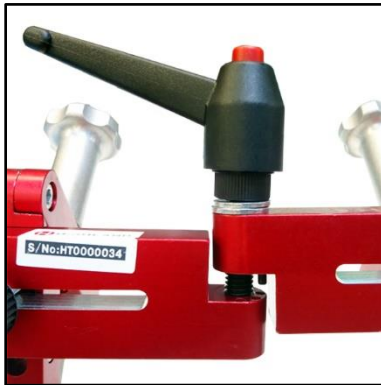
### **Select the pipe size.**

The clamping plates have different size pipe profiles cut in them. Loosen the thumbscrew on the back of the plate and lift it away from the clamp arm so the locating pin is free. Rotate the profile to the correct size then push it back onto the locating pin. Retighten the thumbscrew. Repeat for all four clamp plates.



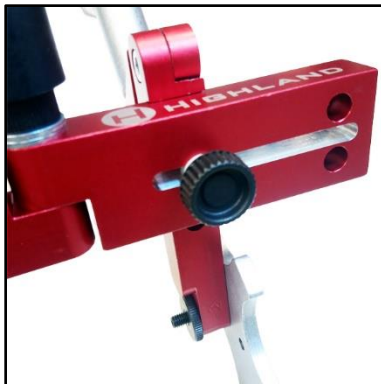
### **Adjust the clamp shape.**

Slacken the backbone handle and lift the two halves of the back apart until the locating pin is free. Adjust to the desired angle of 45°, 90° or straight and push the backbone back together. Retighten the backbone handle.



### **Adjust the clamp width.**

Slacken the arm locking handle and slide the arm along the backbone until the plate sits about one inch from the edge of the fitting. Retighten the arm locking handle. Repeat for the arm on the other side of the backbone.



### **Open the clamp.**

Slacken the arm handles on each side of the tool to open the arms, allowing the tool to be dropped down onto the pipe.



### **Clamp pipe.**

Tighten the arm handles on each side of the tool to close the arms around the pipe.

Make sure the fitting sits centrally in the clamp.

Rotate the fitting to gain access to the electrical terminals if required.

Make sure the pipe is held tightly.



### **Remove clamp.**

When the fitting has been fused and the cooling time has ended, the clamp can be removed.

Slacken the arm handles on each side of the tool to open the arms. Carefully lift the clamp off the pipes.

