

IMPORTANT!

This equipment is intended to be used as a restraining and pressure loading clamp for electrofusion welding. It is designed for holding saddles on to main pipes.

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.

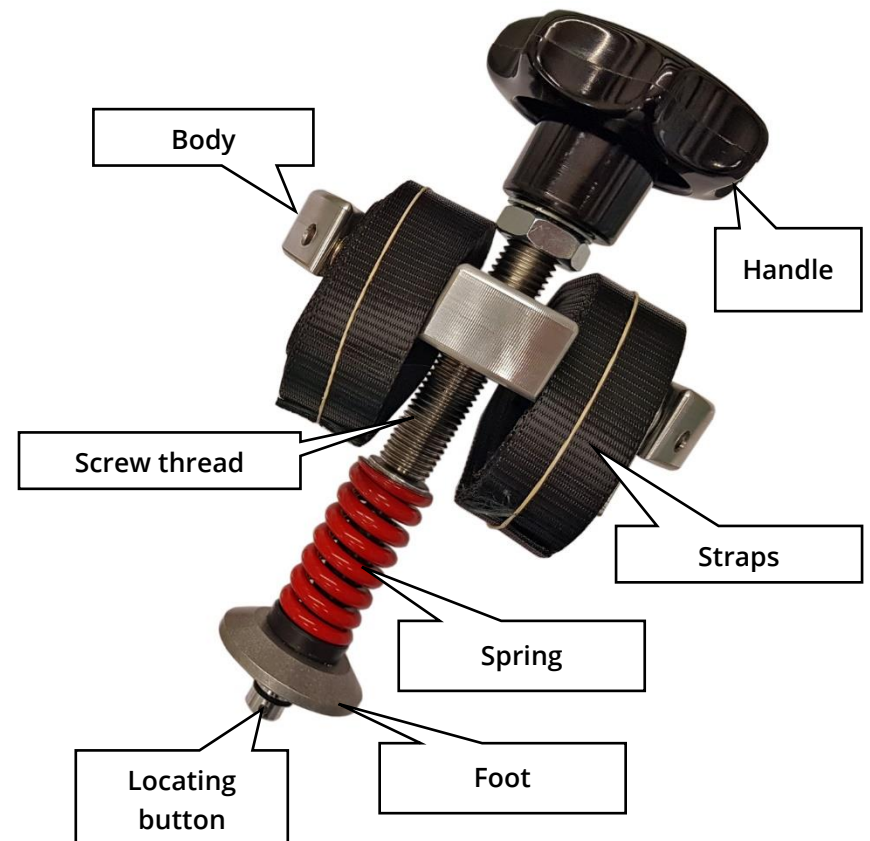
After use, clean the clamp with a soft brush or cloth.

Operating sizes:	Outlet sizes 1"-4" (32mm-110mm) Main sizes 4"-24" (110mm-630mm)
Operating temperature:	-40 °F to +122 °F
Size:	8" x 5" x 5"
Weight:	2¾ lb



HIGHLAND STRAP SADDLE CLAMP

OUTLETS	1" - 4"	32mm - 110mm
MAINS	4" - 24"	110mm - 630mm



Select saddle outlet size.

The tool has been designed to hold saddles with different sizes of outlets. Make sure the correct size foot is attached to the tool. Insert a small screwdriver through the hole in the side of the locating button and unscrew it. Fit the correct foot and screw the locating button back in.



Set thread position.

Wind the handle to move the tool body along the screw thread so that it sits about a quarter of the distance away from the spring as shown in the picture.



Attach straps.

Feed the straps through the clamps and pull the excess length through so enough strap is left to fit loosely around the pipe. Remove the looped ends of the straps from the body lugs. **PREPARE AND SCRAPE THE PIPE INLINE WITH THE MANUFACTURER'S GUIDELINES.**



Fit tool on pipe.

Position the saddle on the pipe and fit the tool foot into the top of the outlet. Wrap the straps around the pipe and push the loops back on to the body lugs. Pull the straps up through the clamps until they are tight around the pipe.



Set clamping pressure.

Wind the handle clockwise to load the saddle onto the pipe. The correct pressure is reached when the silver locating button sits flush with the black handle. **WELD THE SADDLE INLINE WITH THE MANUFACTURER'S GUIDELINES**



Remove clamp.

When the saddle has welded and cooled, the clamp can be removed. Wind the handle counter-clockwise to release the pressure. Unhook the strap loops from the body lugs and remove the tool from the saddle.

