

## Pin brazing

**Pin Brazing** is an easy, metallurgical safe method of making electrical connections to steel and ductile iron pipelines as well as other metallic structures, which are to be cathodically protected or electrically earthed.

Whilst the system has major advantages over alternative systems, some of which can cause unacceptable levels of irreversible damage to the structure itself, it is imperative that operator training and equipment maintenance is to a high standard.

This paper explains the pin brazing process, the technique, the effects of this; alternative processes such as Cad Weld and also demonstrates system operation.

The Easybond unit is suitable for all types of minor installation and maintenance work. It is primarily for the occasional user who needs a simple, rugged and low cost machine. The unit is portable and easy to transport. The brazing process is controlled by means of the fuse wire on the brazing pin. The capacity is approx. 15 brazes with the smallest type of brazing pin, and it can easily be increased by a battery charger mounted in a vehicle, the batteries being charged up during transportation between workplaces. When alternating between charging and brazing it is possible to increase the capacity up to 5 times during a working day. The batteries are sealed to prevent acid spill.

