



# Rail Pin Brazing Gun BG10100



## Features:

- ◆ Choice of two different Signal Bonding systems.
- ◆ Used globally by over three hundred Railways w/o any documented derailments
- ◆ The only system that achieves ZERO martensite (Safebond® system)
- ◆ All types and sizes of connectors and cables
- ◆ Signalling, Power Return/Traction, and grounding

## Facts About Pin Brazing:

- ◆ Transition resistance in the braze: only 5 micro ohms
- ◆ Melting temperature of solder: 1,100F.,/600 C. degrees
- ◆ Blinding strength: 50 kp/mm<sup>2</sup>
- ◆ Shear Strength: 25 kp/mm<sup>2</sup>
- ◆ Brazing time: 2 sec.
- ◆ Time to make a complete bond: Less than 2 minutes

## Shear Strength:

- ◆ Pin Brazing shear strength application = 3730N/838 pounds
- ◆ Safebond Application = 8240N/1852 pounds

## Features

Description	Safe Bond
Temperature Needed to Melt solder	
Electric Arc	Between the Brazing pin and top of the cable lug
Lug Differences	Cable lug is solid with no hole
Solder Location	The cable lug is equipped with solder material. Brazing flux is added manually before brazing.
Flux Application	The brazing flux and solder material is positioned in the brazing area before the electric arc operation starts.



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