



# ELIT

## Welding shape I ø14.2mm ground



Welding mold for welding two earth rods with a diameter of ø14.2mm together butt to butt

### Technical description

Graphite welding mold for thermal welding of ø14.2mm (5/8") ground spikes to ø14.2mm (5/8") ground spikes butt to butt using thermite. The mold uses closed welding cans with electric ignition, which provides safe, fast and accurate welding every time. When thermally joining two conductors using thermite, the joint becomes a molecular connection with a transition resistance that is equal to or better than the conductivity of the original materials being fused together. The chamber and mold of the welding mold are designed to use a specific welding can that is described on the mold's metal plate. It is important to use the correct size of can as the fusion of different conductor sizes requires enough energy to achieve melting and molecular connection. Too little energy or moisture in the mold will steal energy from the reaction and cause the weld to not be as intended. With a dry mold and the right welding can, a perfect weld is achieved every time. After ignition of the welding can, wait for approx. 10 seconds before opening the mold. Then clean the mold with a brush. Do not use a wire brush as this will wear down the mold faster and may require replacement.

### Advantages:

Precision molded for molecular connection of two conductors  
Provides superior contact between two conductors that does not corrode  
Easy to use and maintain



| Product name/ Art.nr/ GTIN            | ELIT SF-JI142-JI142-IH-150g-HK250/ 30110224/ 7070810036998 |
|---------------------------------------|------------------------------------------------------------|
| According to:                         | EN IEC 62561-1 permanent connection                        |
| Material                              | Graphite                                                   |
| Application                           | Other                                                      |
| Suitable for use in high voltage area | Yes                                                        |
| Suitable for multiple use             | Yes                                                        |
| Suitable for rail application         | Yes                                                        |