

The FurseWELD SureSHOT system is a cost effective solution for applications requiring only a small number of high quality electrical connections.

Like all FurseWELD products, SureSHOT uses the high temperature reaction between powdered copper oxide and aluminium to create fault tolerant electrical connections without any external power or heat source.

SureSHOT connections have the same benefits as FurseWELD connections:

- tolerant to repeated fault currents
- highly conductive
- do not loosen
- excellent corrosion resistance

Unlike the graphite FurseWELD moulds, the SureSHOT moulds are ceramic and specifically designed to be used only once. They are disposed of or buried in place with the joint once it has been completed.

SureSHOT moulds are supplied complete with powders and retaining disc.



- 1 Insert the rod and conductor into the mould, locate the retaining disc and pour in the weld powder.



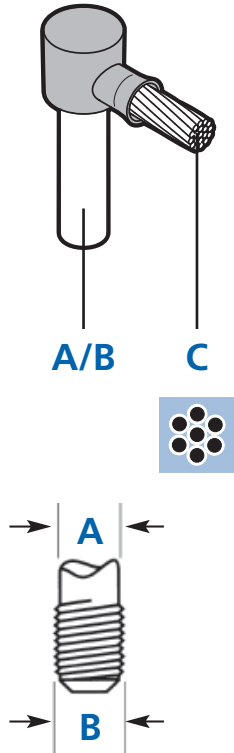
- 2 Place the lid on top of the mould, add starting powder and ignite with spark gun.





- 3 The resulting exothermic reaction reduces the weld powder to molten copper alloy which melts the retaining disc and flows into the weld cavity where it partially melts the conductors. The molten copper alloy cools to leave a fusion weld of great mechanical and electrical integrity.

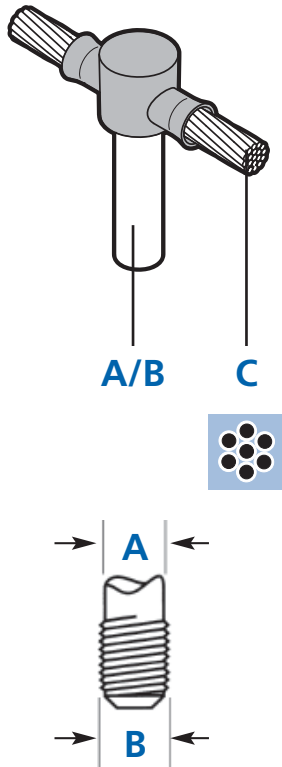


- 4 Once the joint is completed, the ceramic mould can either be disposed of or buried in place.





SS1

| A mm ø | B inches ø | C mm ² |  |  |
|--------------|------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 14.2 | 5/8" | 16 | 4 | SS1-14216 |
| 14.2 | 5/8" | 25 | 4 | SS1-14225 |
| 14.2 | 5/8" | 35 | 4 | SS1-14235 |
| 14.2 | 5/8" | 50 | 4 | SS1-14250 |
| 14.2 | 5/8" | 70 | 4 | SS1-14270 |
| 14.2 | 5/8" | 95 | 4 | SS1-14295 |
| 17.2 | 3/4" | 16 | 4 | SS1-17216 |
| 17.2 | 3/4" | 25 | 4 | SS1-17225 |
| 17.2 | 3/4" | 35 | 4 | SS1-17235 |
| 17.2 | 3/4" | 50 | 4 | SS1-17250 |
| 17.2 | 3/4" | 70 | 4 | SS1-17270 |
| 17.2 | 3/4" | 95 | 4 | SS1-17295 |



SS2

| A mm ø | B inches ø | C mm ² |  |  |
|--------------|------------------|----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 14.2 | 5/8" | 16 | 4 | SS2-14216 |
| 14.2 | 5/8" | 25 | 4 | SS2-14225 |
| 14.2 | 5/8" | 35 | 4 | SS2-14235 |
| 14.2 | 5/8" | 50 | 4 | SS2-14250 |
| 14.2 | 5/8" | 70 | 4 | SS2-14270 |
| 14.2 | 5/8" | 95 | 4 | SS2-14295 |
| 17.2 | 3/4" | 16 | 4 | SS2-17216 |
| 17.2 | 3/4" | 25 | 4 | SS2-17225 |
| 17.2 | 3/4" | 35 | 4 | SS2-17235 |
| 17.2 | 3/4" | 50 | 4 | SS2-17250 |
| 17.2 | 3/4" | 70 | 4 | SS2-17270 |
| 17.2 | 3/4" | 95 | 4 | SS2-17295 |

Suitable for connections to copperbond rods – for connections to solid copper and stainless steel rods please contact our sales office.

Threaded portion of copperbond rods must be removed prior to welding.