

## PRODUCT INFORMATION

### SIF SILVER SOLDER No 43

EN ISO 17672 Ag 155  
EN 1044 Ag 103  
BS 1845 Ag 14

## DESCRIPTION

A highly-ductile, fast-flowing, cadmium-free silver brazing filler metal. It is suitable for all ferrous and non-ferrous metals except aluminium. It can be used with a range of heat sources. It also offers a combination of low melting temperature and excellent flow characteristics. Use with SIF SILVER SOLDER flux.

## WELDING POSITIONS



Suitable for use in the heating, ventilation, refrigeration, electrical, and process industries. It is particularly well suited for use in the medical equipment and food industries. However, this alloy should only be used to form capillary joints.

## TYPICAL WELD METAL COMPOSITION

Ag	55 %
Cu	21 %
Zn	22 %
Sn	2 %

## TYPICAL MECHANICAL PROPERTIES

Melting Point	630-660°C
Ult Tensile Strength	415 N/mm <sup>2</sup>
Hardness	140

## MATERIAL TO BE WELDED

This is a cadmium free silver solder offering excellent fluidity and wetting characteristics. Ideal for applications within the food and medical equipment industries. It is used as a general silver brazing filler metal as well as in joining copper to steel in refrigeration and pipe work. SIF Silver Solder No 43 can be used to join most common engineering metals – copper, copper alloys including brasses, bronzes, gun metal, nickel silver, aluminium bronze, copper nickel, and steels including mild, carbon, tool steel, stainless steels, and low alloy steel.

## AVAILABLE FORMATS

500MM ROD (OXY/FUEL)			
Dia		6 rod/Pkt	1kg
1.5mm		RO431506	RX431500

### Can be used with:

Oxy Acetylene
Oxy Propane
Butane
Air Butane

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email [service@weldability-sif.com](mailto:service@weldability-sif.com)



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