



TBW 5045

SILVER ALLOY

DESCRIPTION

Seamless, tubular flux-cored cadmium-free brazing product with a **high silver content** for brazing ferrous and non-ferrous metals; steel, stainless steel, nickel and copper alloys.

CHARACTERISTICS

- **Conforms to specifications AWS A5.8: BAg-36**
- No extra flux required
- No fragile coating
- Quick and easy application
- Longer shelf life of the product
- Reduction of the heat contribution compared to the solid cored rod
- High fluidity and good wettability
- Less and easy cleaning after brazing
- Ratio metal/ flux: 88/12

TYPICAL APPLICATIONS

Multiple usage in production and maintenance. Ideal for production assemblies. Excellent for brazing tubes and fittings, in electrical industries and for household appliances, etc.

PROCEDURE

Clean the section to be brazed by removing grease and dirt. Heat the rod tip to pulverize liquid flux on the part and to continue to heat until the flux becomes liquid. Cool slowly and remove flux residue by plunging into water. Use a slightly carburizing flame.

MECHANICAL PROPERTIES

Tensile strength: 75 000 psi (515 MPa)

BRAZING PARAMETERS

Diameter: 2.0 mm (5/64") 1.6 mm (1/16")
 Bonding temperature: 640 - 680°C (1184 - 1256°F)
 Type of flame: Slightly carburizing

Rod available in 0.5 kg tube and 6 rod kits, also in coil of 1 kg.

Also available: Flux coated rod: **Soudotec 6045 FC**, bare rods: **Soudotec 6045B**, coil: **Soudotec 6045C**, shim: **Soudotec Silvershim** and **Soudotec 6046S**. (Use with **Soudotec F060**). Also available in kit 1oz flux / 1oz silver: **Soudotec 6045CKF**.

Rév.: 21_08

Specialized welding alloys and technology. For technical assistance or for ordering: