

MG SLIK-SIL[®] 106



Ultimate, super active, flux coated, silver braze, cadmium free, ultra-thin flowing torch, furnace, induction

GENERAL CHARACTERISTICS:

Exclusive Slik-Sil[™] Thermal Flux Coating*, cadmium free, high silver content makes Slik-Sil[™] 106 the ultimate choice for joining ferrous and non-ferrous metals. Ideal for food and pharmaceutical as well as general industrial use. Users first choice when Food and Drug Administration system approval is required.

APPLICATIONS:

Use for joining and repairing stainless steel components, especially when color match is critical. Ideal for tubing, instruments, switches, ornamental trim and laboratory equipment. Universal alloy for general maintenance and repair.

TECHNICAL DATA:

Typical Tensile Strength	Up to 76,000 psi (52 kg/mm ²)
Working Temperature	Approx. 1205°F-1400°F
Elongation	Approx. 22%
Corrosion Resistance	Good
Electrical Conductivity	Good
Color Match	Good on stainless steel

Diameter Available	1/16" (1.6mm)	3/32" (2.4mm)
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PROCEDURE:

Prepare surfaces to be joined by mechanical or chemical cleaning. Fixture parts to maintain alignment. Joint clearance should not exceed .003" Heat parts uniformly with a slightly carburizing flame. Place Slik-Sil[™] thermal flux directly on the heated joint. When the flux becomes clear and fluid, melt a small amount of alloy onto the joint and continue heating to uniformly spread the alloy through the entire joint area. DO NOT OVERHEAT THE BASE METAL. Allow the part to cool slowly then remove flux residue with warm water.

*Bare rod is available as Slik-Sil[™] 116. Use with Slik-Sil[™] Flux for regular applications or MG High Therm Flux for high heat applications.