

SilverAlloy A-49NiMn

◆ INTRODUCTION

Aufhauser SilverAlloy A-49NiMn is low melting, free-flowing, cadmium-free brazing filler alloy suitable for brazing tungsten carbides, carbon steels and stainless steels.

◆ APPLICATIONS

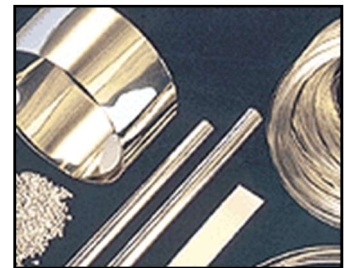
Aufhauser A-49NiMn is used for brazing tungsten carbide inserts to cutting tools, rock drills, etc. It is used for joining all types of stainless steel and carbon steel.

◆ CHEMICAL COMPOSITION

<u>Silver</u>	<u>Copper</u>	<u>Zinc</u>	<u>Nickel</u>	<u>Manganese</u>
48.0-50.0	15.0-17.0	21.0-25.0	4.0-5.0	7.0-8.0

◆ PHYSICAL and MECHANICAL PROPERTIES

Solidus	1260 °F (682 °C)
Liquidus	1290 °F (699 °C)
Brazing Range	1290-1500 °F (699-815 °C)
Specific Gravity	8.93
Density	4.71 toz/in ³ .
Electrical Conductivity	5.70 %IACS
Electrical Resistivity	30.3 μohm-cm
Color	Yellow White



◆ SPECIFICATIONS MEET or EXCEED

- AWS A5.8 BAg-22
- ASME BAg-22
- Federal specification QQ-B-654 BAg-22

◆ AVAILABLE FORMS

- Powder/Paste
- Wire, Rods, Foil
- Specialty preforms per customer specifications

◆ STANDARD ROD SIZES AND DIAMETERS

- Diameters: 1/32", 3/64", 1/16", 3/32", 1/8"
- Sizes: 1, 3, 5, or 50 troy ounces
- Lengths: 18, 20, or 36 inches