

## Cadmium Bearing SilverAlloy Cd-25

### ◆ INTRODUCTION

Aufhauser SilverAlloy Cd-25 is similar to SilverAlloy Cd-35, but has a lower silver content and is somewhat more subject to liquation, due to a wider melting range. *This filler metal contains cadmium.*

### ◆ APPLICATIONS

SilverAlloy Cd-25 is used for joining most ferrous and non-ferrous metals. Cd-25 has good brazing properties and is suitable either for pre-placement in the joint or for manual feeding into the joint. Although lap joints generally are used, butt joints may be used if requirements are less stringent. Joint clearances of 0.001 to 0.005 in. (0.025 to 0.127 mm) are recommended for proper capillary action.

### ◆ CHEMICAL COMPOSITION

Silver	Copper	Zinc	Cadmium
24.0-26.0	34.0-36.0	24.5-28.5	12.5-14.5



### ◆ PHYSICAL and MECHANICAL PROPERTIES

Melting Point:	1125 °F
Flow Point:	1375 °F
Brazing Range:	1375-1575 °F
Specific Gravity:	8.94
Density:	4.71 TO/Cu.In.
Electrical Conductivity:	29.7 %IACS
Electrical Resistivity:	5.7 Microhm-cm
Color, as brazed:	Light Yellow

### ◆ SPECIFICATIONS MEET or EXCEED

- AWS A5.8 BAg-27
- ASME BAg-27

### ◆ STANDARD SIZES AND DIAMETERS

- Diameters: 1/32", 3/64", 1/16", 3/32", 1/8"
- Sizes: 1, 3, 5, or 50 Troy oz.

**Caution! Contains cadmium. Fumes are poisonous and can kill.**  
**Provide adequate ventilation and do not inhale gases and fumes.** Read and understand American National Standard Z49.1, "Safety in Welding and Cutting", available from:  
 American Welding Society,  
 550 N.W LeJeune Road, P.O. Box 351040, Miami, Florida 33135.