

Cadmium Bearing SilverAlloy Cd-30

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◆ INTRODUCTION

Aufhauser SilverAlloy Cd-30 is cadmium containing silver brazing alloy with a relatively low melting range and excellent wetting characteristics on ferrous and non-ferrous base metals. It is similar to CD-35, which is a tighter-tolerance variant of CD-30 with slightly narrower composition ranges. Cd-30 is well-suited for joining steels, copper, nickel alloys, and tungsten carbides.

Due to the presence of cadmium, it offers a narrow melting range and exceptional flow characteristics but requires adequate ventilation and strict compliance with OSHA safety guidelines during use.

◆ APPLICATIONS

Aufhauser Cd-30 is used for joining most ferrous and non-ferrous metals. Cd-30 has good brazing properties and is suitable either for pre-placement in the joint or for manual feeding into the joint. Its narrow melting range makes it ideal for precision brazing applications where good gap-filling ability and a low melting point are essential.

◆ CHEMICAL COMPOSITION %

Silver	Copper	Zinc	Cadmium
29.0-31.0	26.0-28.0	21.0-25.0	19.0-21.0

◆ PHYSICAL and MECHANICAL PROPERTIES

Solidus:	1125 °F
Liquidus	1310 °F
Density:	4.89 TO/Cu.In.
Color, as brazed:	Light Yellow



◆ SPECIFICATIONS MEET or EXCEED

- AWS A5.8 BAg-2a
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◆ STANDARD SIZES AND DIAMETERS

- Diameters: 1/32", 3/64", 1/16", 3/32", 1/8"
- Sizes: 50 troy ounce Coils or 18" Rods

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.