

Brazing Alloys



THE *Gasflux* COMPANY
www.gasflux.com



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The Gasflux Company offers a variety of bronze and nickel silver alloys in rod, spooled wire, brazing rings and preforms. All alloys are manufactured under strict guidelines to enhance fluidity and tinning quality. When used with the Gasflux

Process, our alloys exhibit superior flow characteristics while minimizing zinc fuming caused by overheating.

Our **C-04® Nickel Bronze** is a specially formulated low fuming copper/zinc alloy with additions of nickel, manganese and iron to improve flow and increase strength. Silicon is adjusted to limit zinc fuming and improve flow characteristics. It is most commonly used on steels, copper, nickel and stainless steel.

GF-78 Low Fuming Bronze is a high quality low fuming copper/zinc alloy with additions of manganese and iron to increase hardness and strength. It is most commonly used on steels, copper, nickel and stainless steel.

GF-72 Nickel Silver is a high quality copper/zinc alloy with the addition of approximately 10% nickel to limit fuming and enhance strength. It is used primarily in the brazing of tungsten carbide and metal furniture. It is most commonly used on steels and stainless steels.

Gasflux brazing alloys are available in both bare and flux coated rods.

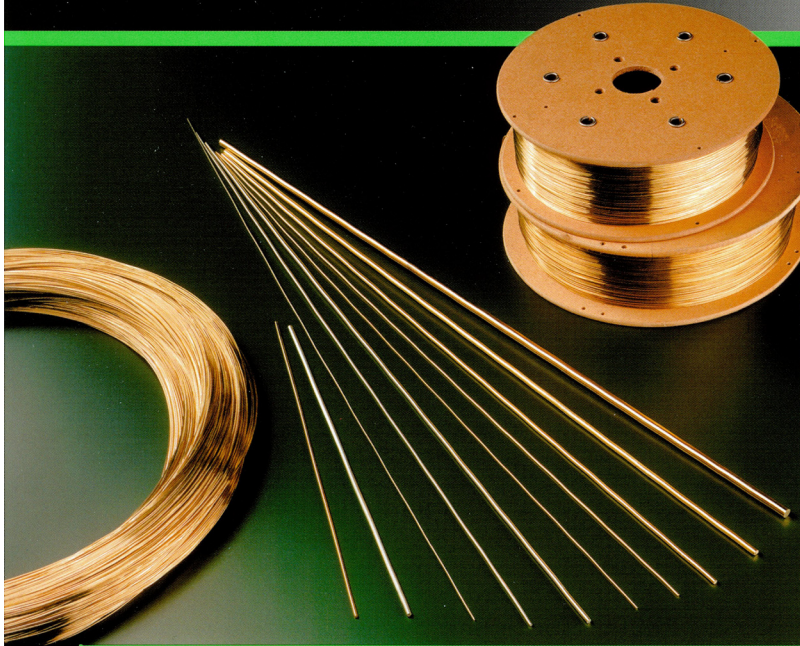
Standard Packaging:

Rod: 5, 10, 25, and 50 lb cartons
Wire: 25 & 50 lb spools

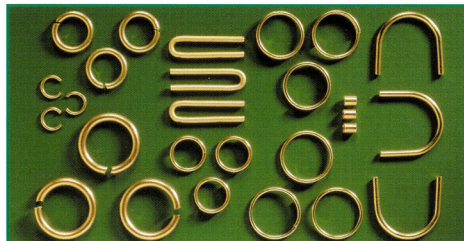
Standard Diameters:

Rod: 1/16" (1.6mm), 3/32" (2.4mm),
1/8" (3.2mm), 3/16" (4.8mm),
1/4" (6.4mm) & 3/8" (9.7mm)

Wire: .047" (1.2mm) & 1/16" (1.6mm)



Gasflux Co. Designation	Description	UNS Designation	AWS Specification	Tensile Strength PSI (avg.)	Liquidus	Solidus
C-04	Nickel Bronze	680	ANSI/AWS A5.8-92 Type RBCuZn-B	65,000	1620° F 882° C	1590° F 866° C
GF-78	Low Fuming Bronze	681	ANSI/AWS A5.8-92 Type RBCuZn-C	63,000	1630° F 888° C	1590° F 866° C
GF-72	Nickel Silver	773	ANSI/AWS A5.8-92 Type RBCuZn-D	80,000	1715° F 935° C	1690° F 935° C



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