

Brazing technology for joining hard metals to structural substrates



CarbiBraze



- Low melting point.
- Excellent fluidity and very suitable for capillary joints.
- Most cost effective and economical due to reduced Ag content.
- Achieves best mechanical strength in joints.
- Easy to use.

BRAZING



Description:

CarbiBraz is a completely new designed alloy dedicated for the tooling industry, i.e. joining hard metals to structural substrates mainly made of steel. Even though containing less silver, CarbiBraz provides first class mechanical properties and wetting to hard metals due to the well adapted content of Nickel and Manganese. Its low melting temperature range and the high fluidity ensure good diffusion bonding and lowest possible heat affection of the base material and the hard metal tools.

Technical properties:

Solidus-Liquidus: 680-700°C

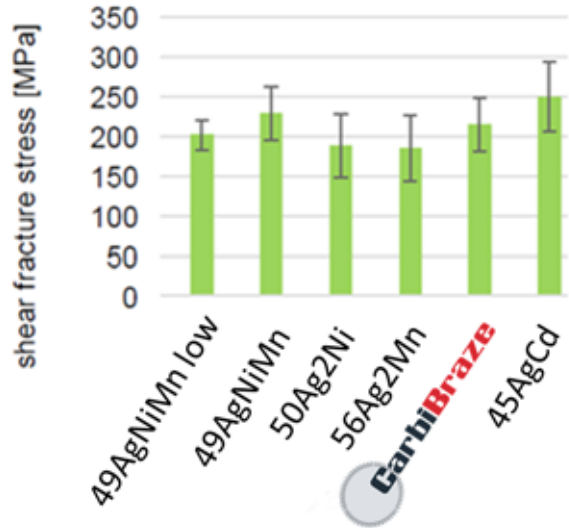
Working temperature: 720°C

Shear strength: 210-240MPa

Typical shear strength for joints between hard metal type K30 acc. ISO 513 and mild steel S355 J2G3.

Features and benefits:

- Low melting point.
- Excellent fluidity and very suitable for capillary joints.
- Most cost effective and economical due to reduced Ag content.
- Achieves best mechanical strength in joints.
- Easy to use.



Available packaging (other type of packaging under request)

SHAPE	TYPE OF PACKAGING	WEIGHT
Rods	Castolin Dry pack	1 kg
Foils	Plastic vacuum bag	1 kg



Recommended fluxes:

- Greenflux Activatec 1000
- Castolin 1703
- Xuper 100H



Your resource for protection, repair and joining solutions

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