

Meta-Braze™ 450

Silver Copper Zinc Braze Alloy

Meta-braze™450 is a good general purpose braze alloy suited to joining a range of material including carbides, stainless steel, low alloy steel, copper and its alloys. It has good wetting properties and gives a nice smooth joint. Typical applications include food processing equipment and hospital utensils, though it's primary use is in joining tungsten carbide to steel. Fills deep narrow gaps. Recommend rapid heating through brazing temperature range to minimise liquation

Standard	ISO 17672:2016 Ag 450	Reference Standard	
		AWS A5.8 BAg-24	AMS 4788
Melting Range	660°C - 705°C	Brazing Temperature: 710°C	
Chemical Composition	Silver 50% Copper 20% Zinc 28% Nickel 2% Impurities as per ISO 17672 Table 1		
Conditions for Use	Recommended Processes: Flame or Induction. Recommended Gap Size: 0.75 – 0.20mm (0.003 – 0.008") Recommended Flux: Meta-braze™ BM 21 Flux Paste on carbides Recommended Flux: Meta-braze™ LT 025 Flux Powder on stainless steel		
Physical Properties	Density – 9.17g/cm ³ Tensile Strength – 230MPa Maximum service temperature: ~200°C		
Forms of Supply	Foil – Wire – Powder – Paste – Preforms		

