

Brass Welding Rod HS221 (Brass Bazing Alloy)

Brass and Brass Alloy welding wires are used widely and can be used to weld sorts of copper alloy, especially tin brass welding wires are widely used to braze carbon steel, cast iron, hard carbide tools and so on; Because of the good corrosion and wear resistance, people use them to weld the parts easily effected form wear between metals and the parts easily corroded by seawater, such as bearing, valve, sealing surface and so on, When oxy-acetylene flame gas welding, The brass welding wire should use together with the copper gas welding melting agent acetylene. HS221 or BCu60ZnSn-R or ZYCuSn is special brass-welding wire containing few tin and silicon, with melting point of 890 °C

Gas welding and carbon arc welding of brass, also braze welding of copper, steel, copper nickel alloy, cast iron and carbide alloy tools.

Feature:

Wear-resistance, good corrosion resistance. with welding smooth surface

Weld the parts easily effected form wear between metals and the parts easily corroded by seawater

Welding high strenght Mobillity and good air tightness

Solder joint without pores

Product Details:

Type : Brass Wire Material : Copper / Copper Alloy

Melting Point : 890 centigrade degree

Length : 1000mm. (or as special order) Package : 5kg./pack

Size : 1.6mm., 2.0mm., 2.4mm., 3.2mm., 4.0mm. (or as special order)

Chemical Composition

Standard	Composition Standard (%)								
	Cu	Al	Fe	Mn	Pb	Si	Sn	Zn	Impurity
HS221 BCu60ZnSn-R JIS: ZYCuSn	59-61	-	-	-	0.01	0.15-0.35	0.8-1.2	42-38	0.5

Physical Characteristics

Standard	Characteristics								
	Conduc tivity	PW	Solidus curve °C	Tensile strenght MPa	Density g/cm ³	Liquid curve °C	Elong ation %	Melting point °C	Size Range mm.
HS221 BCu60ZnSn-R ZYCuSn	13.4	890	380-480	8.21	905	28	-	890	Good fluidty, high-strength, gas welding and carbon arc welding of brass