

## CuZn39Sn

**CATEGORY** Brazing

**TYPE** Universal brass brazing alloy with good strenght

**APPLICATIONS** Brazing: Steels, Copper, Cast iron, Copper alloys, Nickel and for welding Brass and Bronze. This alloy is mainly used in the furniture and the bicycle industry for joining steels, also this alloy can be used for rebuilding Brass-ship propellers by flame welding.

**PROPERTIES** Easy to use brass alloy for brazing with separate flux or by using gasflux (flux transported by the flame), good mechanical properties and high corrosion resistance. Due to the components Fe, Mn and Sn. this type is the so cold "low fuming bronze"

**CLASSIFICATION**

AWS	A 5.8: RB CuZn-C
	UNS: C68100
EN ISO	1044: CU 304
DIN: W.Nr.	2.0533
DIN	L-CuZn39Sn

**SUITABLE FOR** Brass, Copper, Steels, Manganese bronze, Cast iron etc..

**WELDING POSITIONS:**



**ALLOY ANALYSIS %**

Cu	Mn	Sn	Zn	Fe	Si	others	Pb
56-60	0.01-0.50	0.80-1.10	Rem	0.25-1.20	0.04-0.15	<0.5	<0.05

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> (N/mm <sup>2</sup> )	R <sub>m</sub> (N/mm <sup>2</sup> )	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Melting range °C	Hardness HRc / HV
				-20°C	-40°C		
untreated		400				890-900	

**WELDING PARAMETERS / PACKING**

D (mm)	Parameters		Packing
	Length (mm)		kg / tube / carton
2.0	500 / 1000		5 / 25
3.0	500 / 1000		5 / 25
4.0	1000		5 / 25
8.0	1000		5 / 25
10.0	1000		5 / 25
12.0	1000		5 / 25

**REDRYING TEMPERATURE** not required

**NOTE** Also available as flux-coated rod. (CuZn40F)