

# A 101

High strength brazing alloy



## Classifications

<b>DIN EN ISO 3677</b> B-Cu48ZnNi(Si)-890/920	<b>DIN EN ISO 17672</b> Cu 773	<b>DIN EN 1044</b> CU 305	<b>DIN 8513</b> L-CuNi10Zn42
<b>Material-No.</b> 2.0711	<b>AWS A5.8 / SFA-5.8</b> RBCuZn-D		

## Composition, typical analysis (% w/w)

<b>Cu</b> 48	<b>Sn</b> < 0.2	<b>Zn</b> bal.	<b>Si</b> 0.25	<b>Ni</b> 9.5	<b>Fe</b> 0.2	<b>Mn</b> < 0.2
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## Mechanical and physical properties

Melting range	890 - 920 °C	Tensile strength	690 N/mm <sup>2</sup>
Working temperature	910 °C	Elongation (l=5d)	15 - 20 %
Specific gravity	8,7 g/cm <sup>3</sup>		

## Characteristics and typical fields of application

Nickel-bearing filler metal of high strength and good fluidity. Suitable for brazing of steel, cast iron, malleable cast iron, nickel and nickel alloys. Also suitable for brazing and hardening in one production step. It is very often used in the steel furniture industry.

## Heat sources

Flame, induction and resistance heating, TIG-torch

## Flux

F 100 – Series  
Rapidflux - Series