



# CEWELD CuSn6

**TYPE** Tin bronze alloy of minimally 6% tin for virtually all welding procedures.

**APPLICATIONS** Boilers and tubes out of copper or copper alloys, oven soldering etc.

**PROPERTIES** Very good deoxidization. Surfacing and joining of Copper and CuSn-Alloys. Widely used in oven soldering. High quality alloyed copper wire. Sound, pore free deposits and good electrical conductivity. Excellent corrosion resistance

**CLASSIFICATION**

AWS	A 5.7: ERCuSn-A
EN ISO	24373: Cu 5180A / CuSn6P
W.Nr.	2.1022
F-nr	33

**SUITABLE FOR** Tin bronze alloy of minimally 6% tin for virtually all welding procedures. Very good deoxidisation. Surfacing and joining of Copper and CuSn-alloys. Widely used in oven soldering.  
**Mat.n:** 2.1010, 2.1016, 2.1020, 2.1030, 2.1050, 2.1052, 2.1056, 2.1080, 2.1086, 2.1090, 2.1096  
 CuSn8, CuSn7, CuSn6, CuSn4, G-CuSn7ZnPb, G-CuSn10

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

P	Fe	Cu	Zn	Pb	Sn
0.25	0.05	Rem.	0.05	0.01	5.5

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded		260	20	32		80 HB

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1, I3



# CEWELD CuSn6

## CUSN6 0,8MM

Packaging	KG/unit	EanCode
D-200	5	8720663408495
D-300	15	8720663408501

## CUSN6 1,0MM

Packaging	KG/unit	EanCode
D-200	5	8720663408518
D-300	15	8720663408525
Drum	250	8720663408532

## CUSN6 1,2MM

Packaging	KG/unit	EanCode
D-300	15	8720663408556
D-300	15	8720663408549

## CUSN6 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663408563
BS-300	15	8720663408570
Drum	250	8720663408587