

CARBO S- CuNi 30 Fe

CARBO T- CuNi 30 Fe

International standards

	S = massive wire	T = bare rod
Material No.	2.0837	
DIN 1733	SG-CuNi30Fe	SG-CuNi30Fe
AWS A 5.11	ER CuNi	ER CuNi

Application notes

CuNi alloyed wire/rod for joining and surfacing similar alloys with a nickel content up to 30% and for different steels.
Due to the resistance to sea water the alloy is suitable for offshore applications, ship building, chemical and food industry and oil refineries.

Base materials

Copper-Nickel alloys up to 30 % Ni
2.0872 CuNi10Fe 2.0878 CuNi20Fe 2.0882 CuNi30Fe
2.0842 CuNi44 CuNi25

Mechanical properties of all-weld-metal

(typical values)

Tensile strength R _m N/mm ²	Yielding strength R _{p0,2} N/mm ²	Elongation A ₅ %	Impact energy (Av)
400	250	30%	100 J

Weld metal analysis

(typical, wt. %)

Cu	Mn	Fe	Ti	Ni
Base	1	0,4	0,5	30

Gas types EN 439

S = massive wire

I1

T = bare rod

I1

Current

Diameter mm
Welding amps (A) min.
(A) max.

= +					= -				
0,8	1,0	1,2	1,6		1,6	2,0	2,4	3,2	4,0

coils, weight

K300 15 kg.

10 kg./ carton

Rev. 000