

# TALWELD SiBro

## Classification

AWS.A5.7 ERCuSi-A

## Description

TALWELD SILBRO filler metal is a copper-base alloy containing approximately 3% silicon. It is used for the gas metal arc welding of copper-silicon and copper-zinc alloys (brass) and for welding steel to itself or to these alloys.

## Application

TALWELD SILBRO is particularly suited to weld galvanized (zinc coated) steels since it does not destroy the zinc coating in the vicinity of the weld, thereby retaining its corrosion protection, while the bronze weld metal itself is highly corrosion resistant.

## Shielding Gas

Welding grade Argon or Argon/Helium or Argon/Oxygen mixtures

## Chemical Composition of Solid Wire

Cu	Zn	Sn	Mn	Fe	Si	Al	Pb	Total Others
Balance	1.00 Max.	1.0 Max.	1.5 Max.	0.50 Max.	2.8 – 4.0	0.01 Max.	0.02 Max.	0.50 Max.

## Typical Mechanical Properties of Weldmetal

Tensile strength	Yield strength	Elongation
350 MPa	165 MPa	30%

## Packaging and Machine Settings – GMAW

Diam. (mm)	0.8	0.9	1.2	1.6
Spool (200mm)	5 kg	5 kg		
Spool (300mm)	13.6 kg	13.6 kg	13.6 kg	13.6 kg
Volts	16-24	18-26	21-29	25-35
Current, A	90-150	120-190	180-270	240-340

Diam.	2kg Spool	13.6kg Spool
0.8mm	CMCSILBRO0805	CMCSILBRO08
0.9mm	CMCSILBRO0905	CMCSILBRO09
1.2mm		CMCSILBRO12
1.6mm		CMCSILBRO16

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