



# CEWELD CuSi3 Tig

**TYPE** Copper-Silicon welding wire for Tig welding

**APPLICATIONS** Welding thin plates and or galvanized plates in the car industry and also for cladding CuMn, CuSiMn and CuZn alloys. Suitable for cladding cast iron and un- and low alloyed steels. Examples: Automobile industry, art work, cladding on steel, cast iron and copper alloys etc.

**PROPERTIES** • High quality alloyed copper wire for the Tig process (Mig brazing as well) • The weld metal is a Copper- Silicon bronze • Sound, pore free deposits on ferrous and non-ferrous base materials • Excellent corrosion resistance

**CLASSIFICATION**

|        |                           |
|--------|---------------------------|
| AWS    | A 5.7: ERCuSi-A           |
| EN ISO | 24373: Cu 6560 / CuSi3Mn1 |
| W.Nr.  | 2.1461                    |
| F-nr   | 32                        |

**SUITABLE FOR** Welding thin steel plates and or galvanized plates in the car industry and also for cladding CuMn, CuSiMn and CuZn alloys. Suitable for cladding cast iron and un- and low alloyed steels.

Sislicon Alloy:  
 2.0220 - CuZn 5,  
 2.0230 - CuZn 10,  
 2.0240 - CuZn 15,  
 2.1322 - CuMg 0,4,  
 2.1323 - CuMg 0,7

**APPROVALS**

**WELDING POSITIONS**



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

| Si   | Mn  | Cu   |
|------|-----|------|
| 2.95 | 0.9 | Rem. |

**MECHANICAL PROPERTIES**

| Heat Treatment | R <sub>p0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|----------------|-------------------------|----------------------|--------|----------|
| As Welded      |                         | 350                  |        | 80 HB    |

**REDRYING** Not required

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



# CEWELD CuSi3 Tig

|                        |           |         |               |
|------------------------|-----------|---------|---------------|
| CUSI3 TIG 1,6 X 1000MM | Packaging | KG/unit | EanCode       |
|                        | Tube      | 5       | 8720663408310 |
| CUSI3 TIG 2,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                        | Tube      | 5       | 8720663408327 |
| CUSI3 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode       |
|                        | Tube      | 5       | 8720663408334 |
| CUSI3 TIG 3,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                        | Tube      | 5       | 8720663408341 |
| CUSI3 TIG 3,2 X 1000MM | Packaging | KG/unit | EanCode       |
|                        | Tube      | 5       | 8720663408358 |
| CUSI3 TIG 4,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                        | Tube      | 5       | 8720663408365 |