

TAURUS ERCUSI SILICON BRONZE MIG WIRE

Description

TAURUS MIG SILICON BRONZE is a pure copper filler wire deoxidised with 3% silicon for welding a wide range of copper alloys including overlaying of steels and cast irons. The wire is optimised for laser brazing.

APPLICATIONS

Applications include plate for chemical plant and moulds, stills and calorifiers, rods and wires for electrical components and tubes for heat exchangers. Also excellent for MIG brazing and laser brazing onto galvanised steel for automotive body panels.

MATERIALS TO BE WELDED

General purpose including phosphorous deoxidised copper, silicon bronze, nickel silver and some brasses.

WELDING POSITIONS

- Downhand
- Horizontal flat
- Horizontal vertical
- Vertical up
- Overhead

CLASSIFICATIONS

- AWS A5.7 ERCuSi-A
- DIN 1733 SG-CuSi3 (2, 1461)
- BS 2901Pt3 C9
- EN 24343 Cu6560 CuSi3Mn1

AVAILABLE IN

- 0.8mm – 5kg / 15kg spool pack
- 1.0mm – 5kg / 15kg spool pack
- 1.2mm – 5kg / 15kg spool pack

COMPOSITION	%
Silicon	4.5 – 5.5
Iron	0.4 Max
Manganese	0.75 – 1.5
Phosphorous	0.02 Max
Zinc	0.02 Max
Tin	0.2 Max
Lead	0.02 Max
Aluminium	0.01 Max
Iron	0.3 Max
Copper	Balance

MECHANICAL PROPERTIES	AS WELDED
Tensile strength	330 – 370 MPa
Elongation on 5d	40 Max
Hardness	80 – 90 HB

Product Category

1. Bronze
2. Consumables
3. Mig Wire

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