SIFMIG C20/26 Aluminium Bronze Alloy Wire

SIFMIG No. 44

An Aluminium Bronze alloy wire with the addition of nickel, suitable for welding materials of a similar composition and for MIG brazing dissimilar metal joints in maintenance applications, which require increased hardness. The nickel content provides increased wear, cavitation and corrosion resistance, making SIFMIG C20/26 Aluminium Bronze Alloy Wire a popular grade in the marine sector.

It is recommended for use as a combination repair and surfacing metal, to provide wear-resistant surfaces, and for delivering resistance to corrosive media such as salt. SIFMIG C20/26 Aluminium Bronze Alloy Wire can be used on Aluminium bronze alloys and cast Aluminium bronzes. A small amount of pre-heat/warming may be required prior to brazing, depending on the material thickness and Aluminium content.

Suitable for ship building and offshore industries, power generation, repair and maintenance and the chemical industry. Particularly useful in the maintenance of impellers/propellers, car parts, tools and bearings.

Positions



For use in all positions.

Current	DC=+
Shielding Gas	Pure Argon Argon/Helium

Available Formats

Dia.	12.5kg
0.8mm	WO440812
1.2mm	WO441212

Typical Weld Metal Composition

Al 9%	Fe 3.2%	Mn 1.2%
Ni 4.5%	Cu Bal	

Typical Mechanical Properties

Melting Point	1050°C
Ultimate Tensile Strength	700N/mm^2
Hardness	290

Standards

EN ISO 24373 Cu 6328 (CuAl9Ni5Fe3Mn2)
AWS A5.7: ERCuNiAl
(BS 2901 C20/26)