

PRODUCT INFORMATION

SIFMIG 44

EN 14640 Cu 6328 (CuAl9Ni5),
BS: 2901 C20/26
AWS A5.7-84 ERCuNiAl

DESCRIPTION

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 44 a popular grade in the marine sector.

WELDING POSITIONS



Suitable for use in the 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.

TYPICAL WELD METAL COMPOSITION

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

TYPICAL MECHANICAL PROPERTIES

Melting Point	1050 °C
Ult Tensile Strength	700 N/mm ²
Hardness	290
Elongation	15%

MATERIAL TO BE WELDED

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. 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.

AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia		4.0kg	12.5kg
0.8mm			WO440812
1.2mm		WO441240	WO441212

Current Amps: 60-250
Current DC: +
Shielding Gas: Pure Argon / Argon-Helium (0-15 lpm)

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email **service@wholeweld.co.uk**



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