Weldability Sif

## PRODUCT INFORMATION

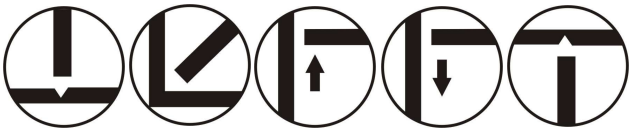
# SIFMIG 44

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 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℃ |
| Ult Tensile Strength | 700 N/mm² |
| 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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