SIFMIG 80S-Ni2
Mild Steel MIG Wire

A fine-grained, copper-coated low-alloy MIG wire with the addition of nickel for improved performance at low temperatures, where greater toughness is required down to -80 °C.

SIFMIG 80S-Ni2 Mild Steel MIG Wire is used in applications including the repair of heavy machinery, offshore constructions, and components requiring improved abrasion resistance, and where good fracture toughness from as-welded joints is needed. Often used on cryogenic and fine-grain steels in the shipbuilding, offshore, petrochemical, and power-generation sectors.

Positions



For use in all positions.

Current	DC=+
Shielding Gas	Ar/CO_2

Available Formats

Dia.	15kg
1.0mm	WG721015
1.2mm	WG721215

Typical Weld Metal Composition

C 0.10%	Cr 0.08%	Mn 1.0%
Ni 2.3%	Si 0.55%	

Typical Mechanical Properties

Ultimate Tensile Strength	620N/mm^2
Yield Strength	530N/mm^2
Impact Value ISO-V	50J@-60°C
Elongation	26%

Standards

EN ISO 14341-A: G 50 6 M G2Ni2
AWS A5.28 ER80S-Ni2