SIFTIG 410NiMo Stainless Steel TIG Rod

A martensitic stainless steel TIG filler rod alloyed with nickel and molybdenum to provide improved toughness, ductility, and corrosion resistance compared to standard 410 grades.

It produces a 13% Cr - 4% Ni weld metal with enhanced resistance to cracking and improved impact properties, particularly after heat treatment.

Ideal for welding 410, 405, and 420 stainless steels used in:

- Turbines
- Pumps
- Valves
- Hydroelectric components
- Power generation equipment

Preheating and post-weld heat treatment are generally recommended to minimise cracking risk.

Positions



For use in all positions.

Current DC=-
Shielding Gas Pure Argon

Typical Weld Metal Composition

C	0.02%	Si	0.37%	Mn	0.43%
Cr	12.2%	S	0.004%	Mo	0.4%
Ni	4.5%				

Typical Mechanical Properties

Melting Point	1460°C
Ultimate Tensile Strength	650N/mm^2
Hardness	38

Available Formats

Dia.	2.5kg
1.6mm	RT4101625NM
2.4mm	RT4102425NM
3.2mm	RT4103225NM

Standards

EN ISO 14343-A: W 13 4
AWS A5.9: ER410NiMo