SIFTIG 312
Stainless Steel TIG Rod

SIFTIG 312 is a high-alloy 29Cr-9Ni stainless steel TIG rod designed primarily for welding dissimilar steels and difficult-to-weld materials.

The weld metal features high ferrite content, providing excellent resistance to hot cracking and high dilution tolerance. It delivers very high tensile strength combined with good impact resistance and wear resistance.

Often referred to as a "maintenance" or "problem-solving" alloy, it performs reliably when welding steels of unknown composition.

Positions



For use in all positions, except vertical down.

Current DC=-
Shielding Gas Pure Argon

Typical Weld Metal Composition

C	0.10%	Si	0.41%	Mn	1.6%
Ni	8.8%	Cr	30.4%	Mo	0.15%

Typical Mechanical Properties

Melting Point	1440°C
Ultimate Tensile Strength	750N/mm^2
Hardness	200

Available Formats

Dia.	2.5kg	5kg
1.0mm		RO351050
1.2mm		RO351250
1.6mm	RO351625	RO351650
2.4mm	RO352425	RO352450
3.2mm	RO353225	

Standards

EN ISO 14343-A: W 29 9
AWS A5.9: ER312