

PRODUCT INFORMATION

SIFSTEEL STAINLESS 312

EN ISO 14343: 29 9,
BS: 2901 312S94
AWS A5.9: ER 312

DESCRIPTION

This is a 29.9 stainless TIG filler rod, suitable for difficult-to-weld steels (Mn steels, tool and spring steels), also dissimilar materials. High resistance to weld metal cracking.

WELDING POSITIONS



SIFSTEEL 312 TIG welding wire can be considered as a problem solver for all kinds of steel grades incl. stainless and difficult-to-weld steels.

TYPICAL WELD METAL COMPOSITION

C	0.1 %
Si	0.4 %
Mn	1.6 %
Ni	9 %
Cr	30 %
Mo	0.1 %

TYPICAL MECHANICAL PROPERTIES

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

MATERIAL TO BE WELDED

Typical applications for this weld-all rod include joining hard manganese steels, tool steels, spring steels, buffering as well as joining dissimilar steel grades. It deposits a crack-resistant weld metal with an increased ferrite content. Base materials to be welded: Armour plate, hardenable steels incl. DFTW-steels, tool, die and spring steels, austenitic manganese steels, hardfacing clutches, gear wheels, shafts, buffer layers prior to hardfacing, dissimilar joining.

AVAILABLE FORMATS

Dia	1kg Pkt	2.5kg Ctn	5kg Box
1.0mm	RO351001	RO351025	RO351050
1.2mm	RO351201	RO351225	RO351250
1.6mm	RO351601	RO351625	RO351650
2.4mm	RO352401	RO352425	RO352450

Current :	DC - -	Tungsten
Shielding Gas :	I1 = Pure Ar	WT20 WC20 WL20

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

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