Weldability® Sif

PRODUCT INFORMATION

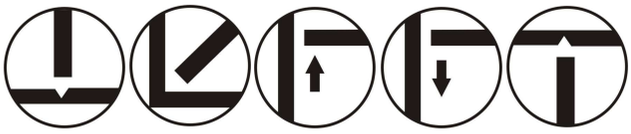
SIFMIG 312

EN ISO 14343: 29 9,
AWS A5.9: ER312
BS: 2901 312S94

DESCRIPTION

This is a 29.9 stainless MIG wire, 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 is our solid wire for MAG welding which is to be considered 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	1.7 %
Ni	9 %
Cr	30 %
Mo	0.1 %

TYPICAL MECHANICAL PROPERTIES

Melting Point	1440℃
Ult Tensile Strength	750 N/mm²
Hardness	200

MATERIAL TO BE WELDED

Typical applications for this WELD-ALL include joining hard manganese steels, tool steels, spring steels, buffering as well as joining dissimilar steel grades. SIFSTEEL 312 deposits a crack-resistant weld metal with an increased ferrite content of approx. FN50.
Materials to be welded: High strength, unalloyed and alloyed heat treatable steels; stainless, ferritic chromium and austenitic CrNi steels; austenitic manganese steels. Chemically resistant weld claddings ranging from ferritic-pearlitic steels to fine grain steels, incl. high temperature fine grain steels. Dissimilar joining.

AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia		3.75kg	15kg
0.8mm		WO350840	WO350815
1.0mm		WO351040	WO351015

Current :	DC = +
Shielding Gas :	M12-M13 = ArCO2-ArO2

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

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