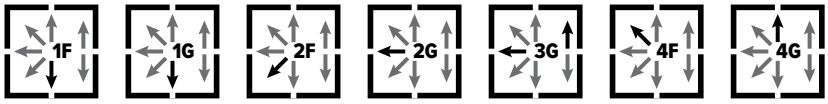
STAINLESS STEEL

HYPERMIG 316LSi



Summary

HYPERMIG 316LSi is a stainless MIG wire with an enhanced silicon content, which contributes to improved arc stability and results in a uniform weld bead shape. This characteristic is particularly beneficial in fillet welds due to the enhanced toe blending capabilities. Additionally, the low carbon content of the 316LSi reduces the risk of carbide precipitation, meaning better corrosion resistance and maintaining mechanical properties.

Typical Applications

- Welding of 316 and 316L stainless steel and related materials
- Marine applications and components exposed to saline environments
- Chemical processing equipment and components
- High-corrosion environments, especially where resistance to pitting is crucial

Classification

- AS/NZS 2717.3

Standards

- AWS A5.9 ER316Si

Approvals

- Lloyds Register of Shipping
- ISO
- CE

Recommended Gas

- Ar + 2-5% CO_2
- Ar + 20-40% He

Operating Polarity

- DCEP

Typical Chemical Composition (%)

C	Mn	Si	P	S	Ni
0.020	1.750	0.820	0.026	0.011	11.240
Cr	**Mo**	**Cu**	**N2**		
18.120	2.070	0.240	0.057		

Typical Mechanical Analysis

YIELD STRENGTH	478
TENSILE STRENGTH	634
ELONGATION	36
ABSORBED ENERGY	104

Packaging Info

SKU	WIRE SIZE	WEIGHT	DESCRIPTION
SS316LSI-0.8-1	0.8mm	1kg	HYPERMIG 316LSi STAINLESS STEEL WIRE 0.8MM 1KG
SS316LSI-0.8-5	0.8mm	5kg	HYPERMIG 316LSi STAINLESS STEEL WIRE 0.8MM 5KG
SS316LSI-0.9-1	0.9mm	1kg	HYPERMIG 316LSi STAINLESS STEEL WIRE 0.9MM 1KG
SS316LSI-0.9-5	0.9mm	5kg	HYPERMIG 316LSi STAINLESS STEEL WIRE 0.9MM 5KG
SS316LSI-0.9	0.9mm	12.5kg	HYPERMIG 316LSi STAINLESS STEEL WIRE 0.9MM 12.5KG
SS316LSI-1.2	1.2mm	12.5kg	HYPERMIG 316LSi STAINLESS STEEL WIRE 1.2MM 12.5KG