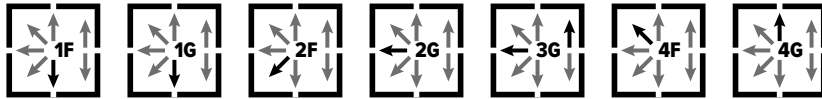


STAINLESS STEEL

HYPERMIG 309LSi



Summary

HYPERMIG 309LSi is a stainless steel MIG wire designed for welding both stainless and mild steels, acting as a bridge where dissimilar metals meet. Suitable for joining stainless steel to carbon or low alloy steel, the wire features a higher silicon content. This inclusion aids in improving the fluidity of the weld pool, resulting in a smoother bead profile.

Typical Applications

- Joining stainless steels to carbon or low-alloy steels
- Overlay work on carbon steels
- Situations where a buffer layer between dissimilar metals is required
- High-temperature stainless structures

Classification

- AS/NZS 2717.3

Standards

- AWS A5.9 ER309LSi

Approvals

- Lloyds Register of Shipping
- ISO
- CE

Packaging Info

SKU	WIRE SIZE	WEIGHT	DESCRIPTION
SS309LSI-0.9	0.9mm	12.5kg	HYPERMIG 309LSi STAINLESS STEEL WIRE 0.9MM 12.5KG
SS309LSI-1.2	1.2mm	12.5kg	HYPERMIG 309LSi STAINLESS STEEL WIRE 1.2MM 12.5KG

Recommended Gas

- Ar + 2-5% CO₂
- Ar + 20-40% He

Operating Polarity

- DCEP

Typical Chemical Composition (%)

C	Mn	Si	P	S	Ni
1.925	0.825	0.028	0.005	12.285	23.355
Cr	Cu	N2			
0.041	0.068	0.140			

Typical Mechanical Analysis

YIELD STRENGTH	491
TENSILE STRENGTH	633
ELONGATION	36
ABSORBED ENERGY (J)	103