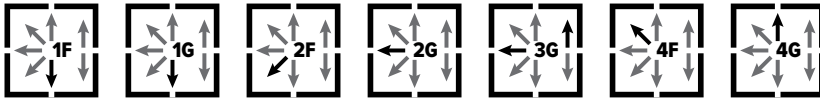


STAINLESS STEEL

HYPERTIG 316L



Summary

HYPERTIG 316L is a stainless steel welding rod that's optimised for welding molybdenum-bearing austenitic stainless steels, including the 316 and 316L variants. This filler rod offers superb resistance to pitting, especially in chloride environments, making it ideal for applications in chemical equipment and marine conditions. Its low carbon content reduces the risk of carbide precipitation, ensuring the highest resistance to intergranular corrosion.

Typical Applications

- Welding of 316 and 316L stainless steel and related materials
- Marine structures and ship components exposed to saline environments
- Chemical processing equipment and structures
- High-corrosion environments like desalination plants
- Maintenance and repair in corrosive conditions, especially where resistance to pitting is crucial

Classification

- AS/NZS ISO 14343

Standards

- AWS A5.9: ER316L
- AS/NZS ISO 14343: W 316L

Approvals

- Lloyds Register of Shipping
- ISO
- CE

Recommended Gas

- Ar 100%
- Ar + 10-30% He
- Ar + 50-75% He

Operating Polarity

- DCEN

Typical Chemical Composition (%)

C	Mn	Si	P	S	Ni
0.026	1.630	0.590	0.027	0.012	11.240
Cr	Mo	Cu			
18.170	2.120	0.110			

Typical Mechanical Analysis

TENSILE STRENGTH	565
ELONGATION	33

Packaging Info

SKU	FILLER ROD SIZE	WEIGHT	DESCRIPTION
TI316L-1.2	1.2mm	5kg	HYPERTIG 316L TIG FILLER ROD 1.2MM 5KG
TI316L-1.6-1	1.6mm	1kg	HYPERTIG 316L TIG FILLER ROD 1.6MM 1KG
TI316L-1.6	1.6mm	5kg	HYPERTIG 316L TIG FILLER ROD 1.6MM 5KG
TI316L-2.4-1	2.4mm	1kg	HYPERTIG 316L TIG FILLER ROD 2.4MM 1KG
TI316L-2.4	2.4mm	5kg	HYPERTIG 316L TIG FILLER ROD 2.4MM 5KG
TI316L-3.2	3.2mm	5kg	HYPERTIG 316L TIG FILLER ROD 3.2MM 5KG