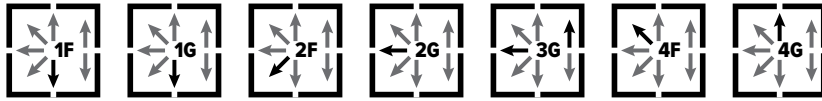


STAINLESS STEEL

HYPERARC 316L



Summary

HYPERARC 316L is a stainless steel electrode tailored for welding molybdenum-bearing austenitic stainless steels, including types 316 and 316L. With their low carbon formulation, these electrodes minimise the potential for carbide precipitation, ensuring a high resistance against intergranular corrosion. The 316L electrodes deliver a smooth arc, stable performance, and are well-suited for both fabrication and repair tasks in various environments, especially those with corrosive conditions such as chemical and marine applications.

Typical Applications

- Welding of molybdenum-bearing austenitic stainless steels
- Pulp and paper industry equipment
- Chemical processing equipment
- Heat exchangers and condensers
- Tanks and vessels for storing and transporting chemicals

Classification

- AS/NZS 4854: B - ES316-16

Standards

- AWS/ASME SFA5.4: E316L-16
- AWS A5.4 E316L-16

Operating Polarity

- AC & DCEP

Packaging Info

SKU	ELECTRODE SIZE	WEIGHT	DESCRIPTION
U63021	2.6mm	1kg	HYPERARC 316L STAINLESS STEEL ELECTRODES 2.6MM 1KG
U63023	2.6mm	2kg	HYPERARC 316L STAINLESS STEEL ELECTRODES 2.6MM 2KG
U63022	3.2mm	1kg	HYPERARC 316L STAINLESS STEEL ELECTRODES 3.2MM 1KG
U63024	3.2mm	2kg	HYPERARC 316L STAINLESS STEEL ELECTRODES 3.2MM 2KG

Approvals

- Lloyds Register of Shipping

Operating Data

ELECTRODE SIZE	WELDING CURRENT RANGE
2.6mm	50-90A
3.2mm	80A-120A

Typical Chemical Composition (%)

C	Mn	Si	P	S	Ni
0.022	0.982	0.800	0.016	0.003	11.340
Cr	Mo	Nb			
18.480	1.850	0.165			

Typical Mechanical Analysis

YIELD STRENGTH	445
TENSILE STRENGTH	572
ELONGATION	40
TEST TEMP. (°C)	-20
ABSORBED ENERGY	81