BOSSWELD

Stainless Steel Electrodes | 316L

Key Facts

- Low-deposition flux coating provides excellent slag removal for clean welds
- Produces corrosion-resistant, high-quality welds for demanding environments
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- Handy 6stick and 25 stick packs
- Easy to operate
- Molybdenum grade for increased corrosion resistance
- Designed with low carbon levels to help eliminate carbide precipitation in high temperature service

Description

Bossweld 316L Stainless Steel Electrodes are designed for corrosion-resistant stainless steel welding applications. They provide stable arc performance, easy slag removal, and high-quality weld deposits suitable for chemical, food processing, and general stainless steel fabrication applications.

Classification

AWS A5.4 E 316L-16

Welding Positions

Flat, horizontal, vertical up and overhead - excluding vertical down.

Markings & Identification

End tip Colour: Yellows
End side Colour: White
Printing: 316L-16

Applications

Suitable to weld 301, 302, 304, 304L, 316 and 316L stainless steels.



Typical All Weld Metal Analysis

C - Carbon	Mn - Manganese	Si - Silicon
0.04%	0.70%	0.70%
Ni - Nickel	**Cr - Chromium**	**Mo - Molybdenum**
12.00%	18.00%	2.500%

Typical All Weld Metal Mechanical Properties

Yield Strength:	380 MPa
Tensile Strength:	550 MPa
Elongation (5xD):	32%
Reduction of Area:	50%
Impact Strengths ISO-V	140J @ +20°C 80J @ 0°C

Size	Packet	Current Range	Part Number
2.0mm	6stk	30-50	110180
2.0mm	25stk	30-50	110190
2.6mm	6stk	50-75	110200
2.6mm	25stk	50-75	110210
3.2mm	6stk	75-110	110220
3.2mm	25stk	75-110	110230

Disclaimer: The above information is provided as a guide; actual welding current and voltage will depend on the welding machine characteristics, which will vary from model to model. Other variables include run length and size, plate thickness, operator technique and gas type (if used). The user must evaluate the process, application and recommended professional advice. Under no circumstance will Dynaweld or its affiliates be liable for misuse or application of products this is entirely up to the user's ability.