Stainless Steel Electrodes | Gemini 316L-16

Key Facts

- Very smooth weld
- Clean weld edge
- Low spatter loss
- Easy slag removal
- Handy 1KG pack
- Easy to operate
- Molybdenum grade for increased corrosion resistance
- Designed with low carbon levels to help eliminate carbide precipitation in high temperature service

Description

Stainless steel electrode for welding common 300 series stainless steel. A low carbon austenitic electrode that leaves a smooth weld deposit of excellent appearance.

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: GEMINI 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	140J @ +20°C
ISO-V	80J @ 0°C

Packaging & Ordering Information

Size	Packet	Ctn	Current Range	Part Number
2.0mm	1kg	20kg	30-50	100022
2.0mm	6stk	10pkt	30-50	100022H
2.6mm	1kg	20kg	50-75	100023
2.6mm	6stk	10pkt	50-75	100023H
3.2mm	1kg	20kg	75-110	100024
3.2mm	5kg	20kg	75-110	100245
3.2mm	6stk	10pkt	75-110	100024H
4.0mm	1kg	20kg	110-150	100025

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.