Key Facts

- High quality TIG rod
- Suitable for a range of Stainless steel including: 302, 304, 308, 316, 318, 347, 410 and 410

Description

316L offers excellent resistance to general corrosion from organic and inorganic acids. Its metal deposits show good resistance to inter-crystalline corrosion and high temperatures due to it low carbon content.

Recommended Shielding Gas

100% Argon

Classification, Approvals & Conformances

AWS A5.9 ER316L
A.B.S.AWS A5.9: ER316/316L
ASME IX F No. 6
QPL-19933: MIL-316L
Certified by CWB - AWS A5.9
ASME SFA 5.9 ER316/ER316L

Welding Positions

All positions

Applications

Suitable for welding 302, 304/304L, 308, 318, 347, 410 and 430 grades of stainless steel.

- Food processing equipment
- Water processing filtration plants
- General stainless steel fabrications

Typical Analysis/Composition

Mn - Manganese	Ni - Nickel	Mo - Molybdenum	S - Sulphur
1.0 – 2.5	11.0 – 14.0	2.0 – 3.0	< 0.03
Cr - Chromium	**C – Carbon**	**Si - Silicon**	**P - Phosphorus**
18.0 – 20.0	< 0.03	0.30 – 0.65	< 0.03
Cu - Copper			
< 0.75			

Typical Weld Mechanical Properties

Yield Strength:	420 MPa
Tensile Strength:	590 MPa
Elongation:	45%

Packaging & Ordering Information

Size	Weight	Part Number
1.0mm	5kg	300065
1.2mm	1kg	300066H
1.2mm	5kg	300066
1.6mm	1kg	300067H
1.6mm	5kg	300067
2.4mm	1kg	300068H
2.4mm	5kg	300068
3.2mm	1kg	300069H
3.2mm	5kg	300069

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.