

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 its 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