

BW-316L

Professional Welding Wire

Stainless Steel Tig Filler Rod (GTAW)


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Specification: AWS/ASME-SFA A5.9: ER316L

Applications & Features:

BW-316L stainless steel Tig welding filler rods are a high quality low carbon rod for the Gas or Gas Tungsten Arc (TIG) welding of Molybdenum bearing stainless steels; in particular matching 316 and 316L alloys.

BW-316L is also suitable for the general welding of other 300 series stainless steels including 302 and 304; as well as ferritic stainless steels grades such as 409, 444 and 3Cr12.

Weld metal is austenite structure with 18%Cr-12%Ni-2%Mo-Si.

Provides superior corrosion resistance to Acid, acetate & phosphate due to Mo content.

Approvals:

TUV, ABS, CWB, CR

Part Numbers:

P/N: 3027 - 1.6mm x 1000mm

P/N: 3029 - 2.4mm x 1000mm

P/N: 3031 - 3.2mm x 1000mm

Pack Sizes:

5.0kg Sealable Tube



Chemical composition of solid wire (wt%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.018	0.44	1.847	0.009	0.01	19.14	12.65	2.56

Typical Mechanical Properties

Tensile Strength MPa	Yield Strength MPa	Elongation %
560	390	39

Suggested Operating Range

Size mm	Current Amps	Gas Flow L/min	Shielding Gas
1.6	75-100	25	100% Argon
2.4	150-200	25	100% Argon
3.2	300-400	25	100% Argon