

At Metals And Welding Specialities, we supply high-quality **AWS Class ER316LSi** stainless steel welding wire designed for superior performance in both **MIG** and **TIG** applications. Engineered for precision and reliability, this filler metal meets the demands of industries requiring excellent corrosion resistance, consistent weld quality, and smooth feedability. The **ER316LSi** wire is manufactured to the highest standards, offering low carbon content and enhanced silicon levels for improved arc stability and wetting characteristics.



Table Of Content

- [What is ER316LSi MIG & TIG Welding Wire?](#)
- [Specification of ER316LSi MIG & TIG Welding Wire](#)
- [Equivalent Grade Of ER316LSi MIG & TIG Welding Wire](#)
- [Chemical Composition of ER316LSi MIG & TIG Welding Wire](#)
- [ER316LSi MIG & TIG Welding Wire Parameters](#)
- [People Searched for ER316LSi MIG & TIG Welding Wire](#)
- [Supply Cities of ER316LSi MIG & TIG Welding Wire](#)
- [Export Countries of ER316LSi MIG & TIG Welding Wire](#)

This product conforms to UNS S31683, ASTM A240 / A276 Grade 316L, and the universal standard AWS A5.9 ER316LSi, ensuring compatibility and consistency across a wide range of fabrication requirements. It is specifically designed for joining 316L and 316 stainless steels, as well as dissimilar steels where corrosion resistance is crucial. Thanks to its low carbon formulation, the risk of carbide precipitation during welding is minimized, making it ideal for applications exposed to corrosive environments such as chemical processing plants, food and beverage production facilities, and marine structures.



ER316LSi MIG & TIG Welding Wire, ER316LSi MIG & TIG Welding Wire Manufacturers, ER316LSi MIG & TIG Welding Wire Suppliers, ER316LSi MIG & TIG Welding Wire Stockists, ER316LSi MIG & TIG Welding Wire Exporters

The added silicon in **ER316LSi** enhances the fluidity of the molten weld pool, resulting in a cleaner, more uniform bead appearance. This property is particularly valuable in **GMAW** (Gas Metal Arc Welding) and **GTAW** (Gas Tungsten Arc Welding) processes where aesthetic quality and consistency are critical. Whether used for manual, semi-automatic, or robotic welding operations, **ER316LSi** wire delivers excellent mechanical properties and resistance to intergranular corrosion.

Metals And Welding Specialities ensures every spool of **ER316LSi stainless steel filler wire** undergoes strict quality inspection for chemical composition and surface finish. Our wire offers optimal feedability, stable arc characteristics, and minimal spatter, resulting in reduced cleanup time and higher productivity. It performs exceptionally well on austenitic stainless steels, maintaining tensile strength and toughness even in elevated temperatures or cryogenic conditions.



ER316LSi MIG & TIG Welding Wire in India, ER316LSi MIG & TIG Welding Wire Manufacturers in India, ER316LSi MIG & TIG Welding Wire Suppliers in India, ER316LSi MIG & TIG Welding Wire Stockists in India, ER316LSi MIG & TIG Welding Wire Exporters in India

Commonly used across petrochemical, pharmaceutical, pulp and paper, and offshore industries, **AWS Class ER316LSi** provides the ideal combination of durability, corrosion resistance, and weldability. For manufacturers and fabricators seeking a dependable welding solution that meets both performance and compliance standards, Metals And Welding Specialities delivers unmatched quality backed by technical expertise and reliable supply.

Specification ER316LSi MIG & TIG Welding Wire



Classification	AWS A5.9, ER316LSi
Form	MIG spools, TIG cut lengths, Reels and Coils
Type Of Welding	Inert Gas Welding
Current	MIG-DCEP / TIG-DCEN
Diameters	.023", .030", .035", .045", 1/16", 3/32", 1/8"
Standard TIG straight lengths are available	36" (914 mm) or 39" (1000 mm) lengths. Other lengths available upon request.

AWS A5.9, ER316LSi Filler Metal Application & uses

Hardware tools
Metallurgy
Machinery
Construction
Shipbuilding
Petroleum
Chemical plant
Power sector
Gas Industry

Equivalent Grade Of ER316LSi MIG & TIG Welding Wire



Class	UNS	Oxford Alloys	SANDVIK	BOHLER	UTP
ER316LSi	S31688	Alloy 316LSi	EXATON 19.12.3.LSI	BOHLER THERMAINT GE-316LSI	UTP A68 MOLC

ER316LSi MIG & TIG Welding Wire Chemical Composition



C	Cr	Ni	Mo	Mn	Si	P	S
0.03	18.0-20.0	11.0-14.0	2.0-3.0	1.0-2.5	0.65-1.0	0.03	0.03

ER316LSi MIG & TIG Welding Wire Parameters



Diameter		Process	Volt	Amps
in	(mm)			
.023	(0.6)	GMAW	14-19	30-85
.030	(0.8)	GMAW	15-20	45-125
.035	(0.9)	GMAW	16-22	60-150
.045	(1.14)	GMAW	17-22	90-210
1/16"	(1.6)	GTAW	12	80-150
3/32"	(2.4)	GTAW	12	150-250
1/8"	(3.2)	GTAW	12	200-375

People Also Searched

ER316LSi stainless steel wire, AWS ER316LSi MIG wire, ER316LSi TIG rod, ER316L welding wire, UNS S31683 filler metal, ASTM A240 Grade 316L, 316L stainless welding wire, ER316LSi vs ER316L, 316L Si filler wire, GTAW stainless steel filler, MIG stainless filler wire, A5.9 ER316LSi specification, 316L welding consumables, ER316LSi chemical composition, ER316LSi properties, ER316LSi applications, 316L low carbon wire, 316 stainless TIG filler, ER316LSi spool, ER316LSi datasheet, ER316LSi corrosion resistance, ER316LSi welding parameters, 316L stainless rod, ER316LSi mechanical properties, Austenitic stainless filler, 316L weld bead appearance, ER316LSi WPS, ER316LSi GMAW, ER316LSi TIG welding performance, 316L stainless steel filler metal, ER316LSi electrode wire, ER316LSi Si enhanced wire, ER316LSi standard compliance, 316L wire for food industry, ER316LSi marine welding, ER316LSi petrochemical use, UNS S31683 TIG rod, ER316LSi stainless steel spool