

The **ER309LSi MIG & TIG Welding Wire** welding wire from **Metals And Welding Specialities** is a premium-grade stainless steel filler metal designed for precision, durability, and superior corrosion resistance. Classified under **UNS S30983** and **ASTM A580 Grade ER309LSi**, this wire is engineered to deliver exceptional performance in joining dissimilar metals, particularly when welding stainless steel to mild or carbon steel. Its low carbon content minimizes carbide precipitation, making it ideal for applications that require excellent resistance to intergranular corrosion.



## Table Of Content

- [What is ER309LSi MIG & TIG Welding Wire?](#)
- [Specification of ER309LSi MIG & TIG Welding Wire](#)
- [Equivalent Grade Of ER309LSi MIG & TIG Welding Wire](#)
- [Chemical Composition of ER309LSi MIG & TIG Welding Wire](#)
- [ER309LSi MIG & TIG Welding Wire Parameters](#)
- [People Searched for ER309LSi MIG & TIG Welding Wire](#)
- [Supply Cities of ER309LSi MIG & TIG Welding Wire](#)
- [Export Countries of ER309LSi MIG & TIG Welding Wire](#)

Manufactured to meet international standards, **ER309LSi** features a higher silicon content that enhances arc stability and wetting action. This results in smooth, clean weld beads with minimal spatter and outstanding appearance. The silicon addition also improves fluidity and slag removal, helping welders achieve consistent, high-quality results even in demanding environments. **Metals And Welding Specialities** ensures strict quality control at every production stage, providing wire with uniform chemistry and consistent feeding characteristics, suitable for both **MIG (GMAW)** and **TIG (GTAW)** welding processes.



ER309LSi MIG & TIG Welding Wire, ER309LSi MIG & TIG Welding Wire Manufacturers, ER309LSi MIG & TIG Welding Wire Suppliers, ER309LSi MIG & TIG Welding Wire Stockists, ER309LSi MIG & TIG Welding Wire Exporters

This filler metal is widely used in industries such as petrochemical, power generation, food processing, and marine fabrication. Its unique composition allows it to maintain integrity under high-temperature and corrosive conditions. The **ER309LSi** is particularly effective when joining 304 or 308 stainless steels to carbon or low-alloy steels, offering strong mechanical properties and excellent oxidation resistance up to 850°C (1560°F). The low carbon version (**LSi**) reduces the risk of sensitization, ensuring longer service life in welded joints exposed to harsh chemical or thermal environments.

In **MIG welding** applications, the ER309LSi wire provides stable metal transfer and fine droplet formation, leading to improved bead appearance and less post-weld cleaning. In **TIG welding**, it offers smooth flow characteristics and precise control, essential for critical applications requiring clean, aesthetically sound welds. Because of its versatility and superior metallurgical properties, it's a top choice for fabricators handling multi-metal projects or repair work where stainless and carbon steels meet.



ER309LSi MIG & TIG Welding Wire in India, ER309LSi MIG & TIG Welding Wire Manufacturers in India, ER309LSi MIG & TIG Welding Wire Suppliers in India, ER309LSi MIG & TIG Welding Wire Stockists in India, ER309LSi MIG & TIG Welding Wire Exporters in India

At **Metals And Welding Specialities**, quality and reliability are at the core of every product. The **AWS Class ER309LSi** welding wire is produced to meet the highest industry standards, ensuring consistent weldability and mechanical performance. Whether used in structural fabrication, pressure vessels, or process piping, this wire provides a dependable solution for welders who demand precision and consistency in every joint.

### Specification ER309LSi MIG & TIG Welding Wire



<b>Classification</b>	<b>AWS A5.9, ER309LSi</b>
<b>Form</b>	MIG spools, TIG cut lengths, Reels and Coils
<b>Type Of Welding</b>	Inert Gas Welding
<b>Current</b>	MIG-DCEP / TIG-DCEN
<b>Diameters</b>	.023", .030", .035", .045", 1/16", 3/32", 1/8"
<b>Standard TIG straight lengths are available</b>	36" (914 mm) or 39" (1000 mm) lengths. Other lengths available upon request.

## AWS ER309LSi MIG & TIG Filler Metal Application & uses

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

## Equivalent Grade Of ER309LSi MIG & TIG Welding Wire



Class	UNS	Oxford Alloys	SANDVIK	BOHLER	UTP
ER309LSi	S30988	Alloy 309LSi	EXATON 24.13.LSI	BOHLER THERMAINT 25/14 E-309LSI	UTP A6824 LC

## ER309LSi MIG & TIG Welding Wire Chemical Composition



C	Cr	Ni	Mo	Mn	Si	P	S	Cu
0.12	23.0-25.0	12.0-14.0	0.75	1.0-2.5	0.65-1.00	0.03	0.03	0.75

## ER309LSi 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

ER309LSi welding wire, AWS ER309LSi, ER309LSi TIG rod, ER309LSi MIG wire, UNS S30983, ASTM A580 ER309LSi, stainless steel filler rod, 309LSi wire, stainless steel welding wire, 309L MIG wire, ER309L TIG filler, ER309LSi chemical composition, ER309LSi mechanical properties, stainless steel joining wire, stainless to carbon steel welding, ER309LSi corrosion resistance, ER309LSi for dissimilar metals, 309LSi filler metal, ER309LSi manufacturer, ER309LSi supplier, stainless steel TIG rod, MIG stainless filler wire, AWS A5.9 ER309LSi, 309LSi welding application, ER309LSi weld bead, ER309LSi with silicon, low carbon stainless filler, heat-resistant welding wire, oxidation-resistant filler, ER309LSi arc stability, 309LSi wetting action, stainless fabrication wire, ER309LSi uses, food-grade welding wire, petrochemical welding filler, marine-grade stainless wire, Metals And Welding Specialities ER309LSi, premium stainless filler, TIG/MIG stainless steel wire.