

# ER308

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Metals And Welding Specialities Supplying to over 40+ countries including USA, Europe, Middle East, Asia.



## Product Overview

Metals And Welding Specialities is a trusted supplier of **ER308 Welding Wire**, offering premium stainless steel welding consumables for industries that require **excellent corrosion resistance, smooth weldability, and dependable mechanical strength**. **ER308** is an austenitic stainless steel welding wire specially designed for welding **304, 304H, and similar 18-8 stainless steels**. It provides **excellent resistance to oxidation, corrosion, and cracking**, making it suitable for fabrication, repair, and maintenance applications. Its stable arc, low spatter, and smooth weld bead ensure consistent weld quality across a wide range of industrial applications.

## Domestic Market Demand

The demand for **ER308 MIG Welding Wire Manufacturers** is steadily increasing across India as industries continue to expand their stainless steel fabrication and manufacturing capabilities. Growing investments in food processing, pharmaceutical production, chemical processing, and industrial infrastructure have created a strong demand for high-quality stainless steel welding consumables. Industries prefer ER308 welding wire for applications requiring **corrosion resistance, clean weld finishes, and long service life**.

## High Demand Across India

The demand for **ER308 TIG Welding Wire Suppliers** is high in industrial states such as **Maharashtra, Gujarat, Tamil Nadu, Karnataka, Telangana, Andhra Pradesh, Rajasthan, Odisha, West Bengal, and Haryana**. These states have a strong presence of stainless steel fabrication units, pharmaceutical plants, food processing industries, chemical manufacturing facilities, and engineering companies that require premium stainless steel welding consumables. Continuous industrial growth and infrastructure development continue to drive domestic demand.

## Growing Domestic Applications

The Indian market for **ER308 MIG Welding Wire Exporters** continues to grow as industries increasingly use stainless steel equipment for hygienic and corrosion-resistant applications. It is widely used for welding **storage tanks, pressure vessels, pipelines, heat exchangers, dairy equipment, pharmaceutical machinery, kitchen equipment, and stainless steel fabrication projects**. Its excellent corrosion resistance and superior weld appearance make it a preferred choice for demanding industrial environments.

## Industry Applications

### Food Processing Industry

The **Food Processing Industry** is one of the largest users of **ER308 TIG Welding Wire Manufacturers in India**. Stainless steel equipment used for food production requires hygienic, corrosion-resistant, and durable welds. ER308 welding wire is widely used for welding **food storage**

**tanks, processing equipment, conveyors, mixing vessels, pipelines, and commercial kitchen equipment.** Its excellent corrosion resistance and smooth weld finish help maintain hygiene standards while extending equipment life.

### Pharmaceutical Industry

The **Pharmaceutical Industry** has significant demand for **ER308 MIG Welding Wire Suppliers in India** because production equipment must meet strict cleanliness and corrosion-resistance requirements. It is commonly used for welding **reactors, process vessels, stainless steel piping, storage tanks, and cleanroom equipment.** Its reliable welding performance and excellent resistance to corrosion help ensure product purity, equipment durability, and long-term operational efficiency.

### Nationwide Distribution

A well-established distribution network ensures the availability of **ER308 Welding Wire Stockist** across major industrial cities and manufacturing hubs in India. Ready stock, prompt deliveries, and consistent product quality help manufacturers, fabricators, and maintenance contractors complete projects efficiently while meeting industry quality standards.

### Supply Opportunities Across India

The continuous growth of India's stainless steel fabrication, food processing, pharmaceutical, and engineering sectors has created strong opportunities for **ER308 Welding Wire, Manufacturers, Suppliers, and Stockists.** As industries continue to invest in **high-performance welding solutions** and corrosion-resistant stainless steel applications, the domestic demand for ER308 welding wire is expected to grow steadily in the coming years.

### Equivalent Grade of ER308/308H MIG & TIG Welding Wire

Class	UNS	Oxford Alloys
ER308/308H	S30880	Alloy 308/308H

### Specification ER308/308H MIG & TIG Welding Wire

<b>Classification</b>	<b>AWS A5.9, ER308/308H</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.
<b>AWS ER308/308H MIG &amp; TIG Filler Metal Application &amp; uses</b>	Hardware tools Metallurgy Machinery Construction Shipbuilding Petroleum Chemical plant Power sector Gas Industry

## ER308/308H MIG & TIG Welding Wire Chemical Composition

Element	Composition (%)
C	0.05
Si	0.46
Mn	1.65
Cr	20.45
Ni	9.85
Other	-

## ER308/308H MIG & TIG Welding Wire Parameters

Recommended Welding Parameters						
GMAW "Mig Process"				Reversed Polarity		
	Wire Diameter	Wire Feed	Amps	Volts	Shielding Gas	Gas CFH
Short Arc Welding	.030	13-26	40-120	16-20	Argon+2% O2	25
	.035	13-26	60-140	16-22	Argon+2% O2	25
Spray Arc Welding	.035	20-39	140-220	24-29	Argon+2% O2	38
	.045	16-30	160-260	25-30	Argon+2% O2	38
	1/16	10-16	230-350	27-31	Argon+2% O2	38

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**Address:** Metals And Welding Specialities - Shop No 5/6 Ground Floor Plot-11, Vallabh Bhuvan, 1st Dubhash Lane, Girgaon, Mumbai-400004

**Call us on:** [+91-9920631634](tel:+91-9920631634) | **Email us:** [info@mwspecialities.com](mailto:info@mwspecialities.com)