

ER2209 MIG & TIG Welding Wire filler wire from **Metals And Welding Specialities** is engineered to deliver exceptional weld quality and performance when working with duplex stainless steels. Designed for use in both **MIG (GMAW)** and **TIG (GTAW)** processes, this wire provides superior corrosion resistance, strength, and toughness in demanding environments such as chemical processing, marine fabrication, pressure vessels, and offshore structures. Classified under **AWS A5.9 ER2209**, it meets the stringent standards of **UNS S39209** and **ASTM A240 Grade 2209**, ensuring full compatibility with duplex stainless steels of similar composition.



Table Of Content

- [What is ER2209 MIG & TIG Welding Wire?](#)
- [Specification of ER2209 MIG & TIG Welding Wire](#)
- [Equivalent Grade Of ER2209 MIG & TIG Welding Wire](#)
- [Chemical Composition of ER2209 MIG & TIG Welding Wire](#)
- [ER2209 MIG & TIG Welding Wire Parameters](#)
- [People Searched for ER2209 MIG & TIG Welding Wire](#)
- [Supply Cities of ER2209 MIG & TIG Welding Wire](#)
- [Export Countries of ER2209 MIG & TIG Welding Wire](#)

Manufactured with precise alloy balance, **ER2209** wire offers a carefully controlled ferrite-austenite microstructure that provides outstanding resistance to stress corrosion cracking, pitting, and crevice corrosion. This makes it the preferred choice for joining duplex grades such as 2205 and other 22% Cr stainless steels. With a typical composition of 22% chromium, 9% nickel, 3% molybdenum, and nitrogen additions, it maintains high tensile strength while achieving excellent weld bead appearance and arc stability.



ER2209 MIG & TIG Welding Wire, ER2209 MIG & TIG Welding Wire Manufacturers, ER2209 MIG & TIG Welding Wire Suppliers, ER2209 MIG & TIG Welding Wire Stockists, ER2209 MIG & TIG Welding Wire Exporters

When used in **MIG welding**, ER2209 wire produces smooth and consistent welds with minimal spatter, making it ideal for high-productivity applications and automated welding systems. For **TIG welding**, the filler metal delivers precise control and clean, defect-free welds on critical joints. Its low carbon content ensures excellent resistance to intergranular corrosion, even in heat-affected zones. Whether welding in the shop or field, the wire's performance remains stable under varied conditions, maintaining mechanical integrity even in chloride-rich or oxidizing environments.

At **Metals And Welding Specialities**, quality is never compromised. Every batch of **ER2209 MIG & TIG Welding Wire** wire undergoes rigorous quality control to ensure consistent chemistry, mechanical properties, and surface finish. The wire is available in multiple diameters and packaging options, providing versatility for a range of industrial welding needs. Customers rely on this filler metal for its durability, ease of use, and ability to match or exceed the mechanical properties of base duplex steels.



ER2209 MIG & TIG Welding Wire in India, ER2209 MIG & TIG Welding Wire Manufacturers in India, ER2209 MIG & TIG Welding Wire Suppliers in India, ER2209 MIG & TIG Welding Wire Stockists in India, ER2209 MIG & TIG Welding Wire Exporters in India

As part of our commitment to excellence, we provide complete technical documentation and support for welding parameters, heat treatment, and storage guidelines. The **ER2209** wire aligns with major international standards, including **ISO 14343-A G 22 9 3 N L**, ensuring global compatibility and compliance. For fabricators seeking reliable performance and long-lasting weld integrity in corrosive service environments, **Metals And Welding Specialities' ER2209 MIG & TIG Welding Wire** filler wire stands as the trusted choice.

Specification ER2209 MIG & TIG Welding Wire



Classification	AWS A5.9, ER2209
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 ER2209 MIG & TIG Filler Metal Application & uses

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

Equivalent Grade Of ER2209 MIG & TIG Welding Wire



Class	UNS	Oxford Alloys	SANDVIK	BOHLER	UTP
ER2209	S39209	Alloy 2209	EXATON 22.8.3.L	BOHLER AVESTA 2205	UTP 6808 MO

ER2209 MIG & TIG Welding Wire Chemical Composition



C	Mn	Si	Cr	Ni	Mo	S	P	Cu	N
0.03	0.50	0.90	21.5-	7.5-	2.5-	0.03	0.03	0.75	0.08-
max	-2.0	max	23.5	9.5	3.5	max	max	max	0.20

ER2209 MIG & TIG Welding Wire Parameters



Diameter		Process	Volt	Amps	Shielding Gas
in	(mm)				
.035	0.9	GMAW	22-23	180-210	Spray Transfer 98% Argon / 2% Oxygen
.045	1.2	GMAW	23-25	195-260	
1/16	1.6	GMAW	25-28	260-390	
.035	0.9	GMAW	19-23	55-170	Short Circuiting Transfer 90% Helium / 7 ½ % Argon / 2 ½ CO2
.045	1.2	GMAW	19-23	100-185	
1/16	1.6	GMAW			
1/16	1.6	GTAW	14-18	90-130	100% Argon
3/32	2.4	GTAW	15-20	120-175	100% Argon
1/8	3.2	GTAW	15-20	150-220	100% Argon

People Also Searched

ER2209 filler wire, AWS A5.9 ER2209, ER2209 TIG wire, ER2209 MIG wire, duplex stainless steel filler metal, UNS S39209 welding wire, ASTM A240 Grade 2209, duplex 2209 welding rod, ER2209 GMAW wire, ER2209 GTAW filler, ER2209 stainless steel rod, duplex stainless steel welding consumables, 2209 TIG rod, ER2209 weld metal properties, duplex steel filler wire, 22% Cr 9% Ni 3% Mo filler, ER2209 wire suppliers, duplex welding wire manufacturer, ER2209 mechanical properties, ER2209 corrosion resistance, ER2209 welding parameters, AWS ER2209 specification, ER2209 duplex steel composition, ER2209 duplex electrode, duplex stainless steel fabrication, 2205 duplex filler wire, ISO 14343 G 22 9 3 N L, ER2209 chemical composition, duplex stainless TIG filler, ER2209 UNS S39209 equivalent, duplex welding solutions, 2209 filler rod data sheet, duplex MIG filler wire, duplex TIG welding wire, stainless steel 2209 welding wire, duplex 2209 consumables.