ER347 MIG & TIG Welding Wire from **Metals And Welding Specialities** is a premium austenitic stainless steel filler metal designed for exceptional performance in both MIG and TIG welding applications. This wire is manufactured to meet the stringent standards of **AWS A5.9** and classified under **UNS S34780**, ensuring consistency, durability, and precision in every weld. It's an ideal choice for welding stabilized stainless steels such as Type 321 and 347, offering superior resistance to intergranular corrosion and excellent mechanical properties in both oxidizing and reducing environments.

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The **ER347** alloy contains niobium (columbium), which provides stabilization against carbide precipitation, maintaining strength and integrity even when exposed to high temperatures. It is widely used in industries such as petrochemical processing, food and beverage production, power generation, and marine applications. The filler metal's composition ensures outstanding weld bead appearance, smooth arc stability, and minimal spatter, making it highly reliable for both manual and automated welding operations.

ER347 MIG & TIG Welding Wire, ER347 MIG & TIG Welding Wire Manufacturers, ER347 MIG & TIG Welding Wire Suppliers, ER347 MIG & TIG Welding Wire Stockists, ER347 MIG & TIG Welding Wire Exporters

When compared with standard 304 or 308 stainless filler metals, **ER347** stands out for its enhanced resistance to chromium carbide formation during welding. This makes it particularly valuable for fabrications exposed to continuous heat and corrosive elements. **Metals And Welding Specialities** ensures that every spool of ER347 MIG & TIG wire is precisely manufactured for consistent feedability, excellent wetting action, and clean slag removal. Whether you're performing critical maintenance welds or large-scale fabrication, this product delivers performance you can count on.

The wire's typical applications include joining **ASTM Grade 347** stainless steels, pressure vessels, heat exchangers, exhaust manifolds, and piping systems that require long-term heat resistance. The resulting welds exhibit high tensile strength and outstanding ductility, maintaining stability even under thermal cycling. Thanks to its balanced alloying elements, **ER347** provides a strong defense against oxidation and scaling up to approximately 900°C (1650°F).

ER347 MIG & TIG Welding Wire in India, ER347 MIG & TIG Welding Wire Manufacturers in India, ER347 MIG & TIG Welding Wire Suppliers in India, ER347 MIG & TIG Welding Wire Stockists in India, ER347 MIG & TIG Welding Wire Exporters in India

For industries that demand precision, **Metals And Welding Specialities** offers this welding wire in a variety of diameters and packaging options to suit specific welding parameters and production requirements. Each batch undergoes rigorous testing to comply with **AWS A5.9** and international quality standards, guaranteeing superior weld quality, reliability, and metallurgical integrity. When performance, safety, and efficiency matter most, trust **ER347 MIG & TIG Welding Wire** from Metals And Welding Specialities to deliver unmatched results in the toughest industrial environments.

Specification ER347 MIG & TIG Welding Wire

Classification	**AWS A5.9, ER347**
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 ER347 MIG & TIG Filler Metal Application & uses	Hardware tools Metallurgy Machinery Construction Shipbuilding Petroleum Chemical plant Power sector Gas Industry

Equivalent Grade Of ER347 MIG & TIG Welding Wire

Class	UNS	Oxford Alloys	SANDVIK	BOHLER	UTP
ER347	S34780	Alloy 347	EXATON 19.9.NB/ EXATON 19.9.NBR (E347-17)	BOHLER THERMAINT H - 347	UTP A68

ER347 MIG & TIG Welding Wire Chemical Composition

C	Cr	Ni	Mo	Mn	Si	P	S	Cu	Element	Amount
0.08	19.0-21.5	9.0-11.0	0.75	1.0-2.5	0.30-0.65	0.03	0.03	0.75	Nb	10XC min/1.0 max

ER347 MIG & TIG Welding Wire Parameters

Diameter		Process	Volt	Amps	GAS
in	(mm)				
.035	(0.9)	GMAW	22-23	180-210	Spray Transfer 98% Argon/2% Oxygen
.045	(1.14)	GMAW	23-25	195-260	Spray Transfer 98% Argon/2% Oxygen
1/16”	(1.6)	GMAW	25-28	260-390	Spray Transfer 98% Argon/2% Oxygen
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

ER347 stainless welding wire, AWS A5.9 ER347, UNS S34780 wire, ASTM 347 filler metal, 347 TIG rod, ER347 MIG wire, stainless steel TIG filler, 347 stainless steel welding rod, 347 MIG welding wire, stabilized stainless filler, columbium-stabilized wire, ER347 vs ER308, high-temperature stainless filler, heat-resistant welding wire, 347 electrode equivalent, stainless steel wire for heat

exchangers, ER347 composition, stainless steel filler for food industry, ER347 corrosion resistance, MIG wire for 347 stainless steel, ER347 applications, 347 filler wire suppliers, ER347 TIG wire specification, UNS S34780 chemical composition, 347 filler rod mechanical properties, ER347 welding parameters, stainless filler metal for marine use, ER347 for pressure vessels, AWS ER347 rod datasheet, stainless TIG wire 347, ER347 welding temperature, ER347 wire manufacturer, 347 filler rod AWS classification, ER347 price per kg, 347 wire tensile strength, stainless steel filler rod selection, ER347 availability, 347 stainless welding consumables, ER347 high-temperature alloy, Metals And Welding Specialities filler wire.