

Satin Glide® 308L Stainless-Steel Welding Wire



Satin Glide® 308L Stainless-Steel Welding Wire is a reliable filler metal that is often utilized in welding applications specifically for joining or repairing stainless-steel components made from the 304 or 304L stainless-steel alloys.

It provides excellent corrosion resistance, high strength, and good weldability and produces clean and smooth welds with minimal spatter and distortion.

Manufacturing Advantages

- All metal transfer modes of GMAW
- Robotic, mechanized, or semi-automatic welding
- Single and multi-pass weldments
- Dissimilar base metal welding
- Superior corrosion resistance for corrosive environments
- Compatible with various austenitic stainless steel base metals, including 301, 302, 304, and 308
- Lower spatter during welding for cleaner welds and less post-weld cleaning

Welding Positions

All position welding is possible when using the correct shielding gas blends, welding process, and welding parameters.

Shielding Gas Blends

- Short Circuit Transfer: 90% Helium, 7-1/2% Argon, 2-1/2% CO₂
- Spray Transfer: 95-98% Argon, 2-5% CO₂
- Spray Transfer: 98-99% Argon, 1-2% O₂
- Flow rate: 35-50 CFH

Applications

- Agricultural Equipment
- Auto Body
- Automotive Exhaust
- General Fabrication
- Heavy Equipment
- Pipe Welding
- Pressure Vessels
- Railcars
- Shipbuilding
- Structures
- Trailers

Specifications

Meets or Exceeds:

- AWS A5.9/A5.9M: ER308, ER308L
- ASME SFA-A5.9: ER308, ER308L
- ASME Section III Nuclear requirements

Storage

Welding wire should be stored in a dry, enclosed environment and in its originally sealed package.

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Stainless Steel Filler Metals for Welding Dissimilar Metals

BASE ALLOY	201,202,301,302,302B,303,304,305,308	304L	309, 309S	310, 310S, 314	316	316L	317	317L	321, 347, 348	330	403,405,410,414,416,420	430,430F,431,440A,440B,440C	448	501, 502	505	CARBON STEEL	CR-MO STEEL
201,202,301,302,302B,303,304,305,308	308	308	308	308	308	308	308	308	308	309	309	309	310	309	309	309	309

Typical Wire Chemistry Percentages (as required per AWS)

ASME SFA 5.9	AWS A5.9/ AWS A5.9M	Carbon	Cr	Ni	Mn	Si	OTHER
Yes	Yes	0.03 Max	20.00/22.00	9.50/11.00	1.60/2.00	0.40/0.65	



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