

Satin Glide® 430L Stainless-Steel Welding Wire



Satin Glide® 430L Stainless-Steel Welding Wire is a filler metal that promotes greater resistance to corrosion. It features a lower carbon content, which minimizes the formation of chromium carbides while reducing the risk of sensitization.

The benefit is that this can help reduce the occurrence of welding defects, such as cracking 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
- Lower carbon content to reduce risk of carbide precipitation and sensitization
- Compatible with various ferritic stainless-steel base metals
- Smooth arc characteristics for precise control and consistent weld appearance

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: ER430L
- ASME SFA-A5.9: ER430L
- 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 Welding Wire

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	16.00/17.00	0.50 Max	0.25/0.60	0.25/0.50	

Stainless Steel Filler Metals for Welding Dissimilar Metals

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
											430	430	502	505	430	430



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