

Satin Glide® 430LCB Stainless-Steel Welding Wire



Satin Glide® 430LCB Stainless-Steel Welding Wire is a filler metal that exhibits exceptional welding properties with its resistance to corrosion. Its lower carbon level increases its resistance to intergranular corrosion and reduces the risk of sensitization on the stainless steel.

Additionally, this welding wire contains columbium for even greater reduction of chromium carbide precipitation and intergranular corrosion.

Manufacturing Advantages

- All metal transfer modes of GMAW
- Robotic, mechanized, or semi-automatic welding
- Single and multi-pass weldments
- Dissimilar base metal welding
- Compatible with various ferritic stainless-steel base metals
- Lower carbon content to reduce risk of carbide precipitation and sensitization
- Modified with columbium for special heat-resistant welding on base metals

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: ER430LNb Modified
- ASME SFA-A5.9
- 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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Typical Wire Chemistry Percentages (as required per AWS)

ASME SFA 5.9	AWS A5.9/ AWS A5.9M	Carbon	Cr	Ni	Mn	Si	OTHER
		0.03 Max	16.50/19.50	0.20/0.60	0.35/0.60	0.30/0.60	Cb 0.30/0.70 & Mo 0.20/0.50

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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