

Satin Glide® 316LHS Stainless-Steel Welding Wire



Satin Glide® 316LHS Stainless-Steel Welding Wire is a stainless-steel filler metal that features higher silicon content that improves the wetting of the weld metal, which potentially increases the travel speed for a quicker and more efficient job.

The welding wire is engineered with lower carbon content to reduce the risk of carbide precipitation.

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 austenitic stainless-steel base metals
- Lower carbon content to reduce risk of carbide precipitation and sensitization
- Higher silicon content for improved wetting of the weld puddle

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: ER316Si, ER316LSi
- ASME SFA-A5.9: ER316Si, ER316LSi
- ASME Section III Nuclear requirements

Storage

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

Satin Glide® 316LHS Stainless-Steel Welding Wire

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 |
| | | | | | 316L | 316 | 316L | 316L | 309 Mo | 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 | 18.00/20.00 | 12.00/14.00 | 1.60/2.25 | 0.70/1.00 | Mo 2.00/2.50 |



3602 North Perkins Road
Stillwater, OK 74075
Customer Service: 1-800-777-1618
www.NSARC.com