



# MIGINOX 316LSi

GMAW STAINLESS STEEL

AWS A/SFA 5.9 ER316LSi

### CLASSIFICATION:

EN ISO 14343-A  
G (19 12 3 LSi)

### KEY FEATURES:

- An extra low carbon 19Cr/12Ni/Mo type stainless steel solid wire
- High Si content improves wetting characteristics
- High resistance against intergranular corrosion
- Resistant to SCC, hot cracking and chemical attack up to 850°C
- Offers improved corrosion & pitting resistance in marine and industrial environment
- Radiographic quality welds

### APPROVALS: CE

### TYPICAL APPLICATIONS:

- Welding austenitic alloys represented by AISI 316, 316L, 317, 317L, 318 types
- Joining similar grade wrought and cast material
- Application in textile processing, Naval and Chemical environments, Paper and pulp, Paint and dye industries
- Cladding stainless steels


### TYPICAL CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt %:

C	Mn	Si	Cr	Ni	Mo
0.025	1.7	0.75	18.3	11.3	2.4


### MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Typical	As Welded	560	36

### PARAMETERS - PACKING DATA:

Ø, mm	Kg/Spool	
0.8	12.5	 <b>DCEP</b> <b>STORAGE / HANDLING :</b> Keep dry and follow handling instructions mentioned on the box
1.2	12.5	
1.6	12.5	

All Positions



Shielding Gas	Gas Flow Rate, LPM
98Ar/2O <sub>2</sub> or Ar/1-5CO <sub>2</sub>	15-22