



# TIGINOX 309L

GTAW STAINLESS STEEL

AWS A/SFA 5.9 ER309L

### CLASSIFICATION:

EN ISO 14343-A  
W 23 12 L

IS 5856  
ES 24.13 L

### KEY FEATURES:

- An extra low carbon 23Cr/12Ni type stainless steel wire
- Excellent corrosion and oxidation resistance up to 1100°C
- High ferrite content ensures highest cracking resistance
- Radiographic quality weld

**APPROVALS:** Class VI/CE

### TYPICAL APPLICATIONS:

- Welding of AISI 309, 309L type steels
- Dissimilar joints between stainless steels and low alloy or carbon steels
- Buffer layer on low alloy and carbon steels
- Joining corrosion resistant clad steels



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

C	Mn	Si	Cr	Ni
0.027	1.9	0.4	23.5	12.3

### MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Typical	As Welded	590	40

### PARAMETERS - PACKING DATA:

Ø, mm	Net Wt, Kg		All Positions
1.6 x 1000	20	 DCEN <b>STORAGE / HANDLING :</b> Keep dry during storage and handling	
2.0 x 1000	20		
2.4 x 1000	20		

Shielding Gas	Gas Flow Rate, LPM
Ar	10-15

Available in Standard carton packing of 20 kg box, containing 4 plastic tubes of 5 kg each.