



# TIGINOX 410NiMo

GTAW STAINLESS STEEL

AWS A/SFA 5.9 ER410NiMo

### CLASSIFICATION:

EN ISO 14343-A  
W 13 4

IS 5856  
ES 13.4

### KEY FEATURES:

- 13Cr/4Ni type stainless steel wire
- High strength combined with excellent toughness and cracking resistance
- Preheat and PWHT recommended
- Martensitic type alloy resistant to corrosion, erosion, pitting and impact
- Smooth operating characteristics
- Radiographic quality welds

### APPROVALS: CE

### TYPICAL APPLICATIONS:

- Welding of ASTM CA 6NM casting or similar grades as well as light gauge 410, 410S and 405 base metals
- Surfacing of turbine blades, high pressure valves
- Welding of extra low carbon castings and forgings of similar composition and surfacing applications
- Repair of runners, valve seats, pulp and paper plant equipment



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

C	Mn	Si	Cr	Ni	Mo
0.02	0.35	0.5	12.1	4.4	0.45

### MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Typical	PWHT: 600°C for 1 hr	800	19

### PARAMETERS - PACKING DATA:

Ø, mm	Net Wt, Kg		
1.6 x 1000	20	 DCEN <b>STORAGE / HANDLING :</b> Keep dry during storage and handling	All Positions 
2.0 x 1000	20		
2.4 x 1000	20		
3.15 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.