



# TIGINOX 410

GTAW STAINLESS STEEL

AWS A/SFA 5.9 **ER410**

### CLASSIFICATION:

EN ISO 14343-A  
W 13

IS 5856  
ES 13

### KEY FEATURES:

- Typical 12Cr type stainless steel wire
- Air hardenable weld deposit
- Preheat and PWHT recommended
- Resist corrosion, erosion & abrasion
- Smooth operating characteristics
- Radiographic quality welds

**APPROVALS:** CE

### TYPICAL APPLICATIONS:

- Welding of similar composition 410 type steels and 13% Cr stainless steels
- Overlay application on carbon steel
- Surfacing of turbine blades, high pressure valves

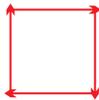
### TYPICAL CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt %:

C	Mn	Si	Cr
0.04	0.5	0.4	12.5

### MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Typical	PWHT:740°C for 1 hr	750	22

### PARAMETERS - PACKING DATA:

Ø, mm	Net Wt, Kg		All Positions
1.6 x 1000	20	 <b>DCEN</b> <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.