



TIGINOX 2209

GTAW DUPLEX STAINLESS STEEL

AWS A/SFA 5.9 ER2209

CLASSIFICATION:

EN ISO 14343-A
W 22 9 3 N L

KEY FEATURES:

- An extra low carbon 22Cr/9Ni/3Mo/N type duplex stainless steel wire
- Austenitic-ferritic type weld deposit
- Can be applied for operating temperature upto 200°C
- Excellent combination of high strength and resistance to chloride induced SCC and pitting
- Radiographic quality welds

APPROVALS: CE

TYPICAL APPLICATIONS:

- Welding of 2205, 2209 type duplex stainless steels and similar grades
- Pipelines transporting chloride bearing products and sour gases
- Cladding on carbon and low alloy steels
- Cast pumps, Valve bodies and sea water handling equipment
- For chemical equipments, heat exchangers, off-shore platforms

TYPICAL CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt %:

C	Mn	Si	Cr	Ni	Mo	N
0.015	1.5	0.4	22.5	8.7	3.3	0.15

MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Specification	As Welded	690 min	20 min

PARAMETERS - PACKING DATA:

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