

ST-2209

22%Cr-5%Ni-2%Mo-0.15%N STS

Conformances

AWS A5.9/ ASME SFA5.9 ER2209
JIS Z3321 YS2209
EN ISO 14343-A W 22 9 3N L
KR AWS A5.9 ER2209
ABS AWS A5.9 ER2209 (-50°C)
LR S31803m
DNV-GL Duplex Stainless Steels

Applications

- Welding of offshore oil/gas, chemical and petrochemical industries

Features

- Good general corrosion resistance
- High resistance to chloride induced stress corrosion cracking(CSCC)

Current

DC -

Shielding Gas

Ar

Diameter / Packaging

Diameter	
mm (in)	5kg*1000
1.0 (0.039)	
1.2 (0.045)	
1.6 (1/16)	✓
2.0 (5/64)	✓
2.4 (3/32)	✓
2.6 (0.10)	✓
3.2 (1/8)	✓

Typical Chemical Composition of the Wire(%)

C	Si	Mn	Cr	Ni	Mo
0.01	0.41	1.70	23.4	8.9	3.2

Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in ²)	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft-lbs)	PREN
810 (116,700)	27	-20 (-4)	195 (144)	35

SMW

SAW

GMAW

GTAW

FCAW

Non-FERROUS

APPENDIX