

M-2209

For duplex stainless steels (Low carbon, 22%Cr-9%Ni-Mo STS)

Classifications

EN ISO 14343-A:2009	: G 22 9 3 N L	JIS Z 3321:2013	: YS2209
EN ISO 14343-B:2009	: SS 2209		
AWS A5.9-2012	: ER2209		

Description

- MIG welding of 22%Cr-9%Ni-3%Mo duplex stainless steels (UNS S31803, STS 329J1, 329J2L)
- A various application of the petrochemical offshore structure and distilling apparatuses.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.01	0.40	1.67	8.70	22.70	3.10

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J) -46°C	-196°C
AWS A5.9		min. 690	min. 20		
EN ISO 14343	min. 450	min. 550	min. 20		
Example	580	840	28	110	50