Stick Electrode for Stainless Steel

	Classification		
KC 200	AWS A 5.4	E309-16	
KS-309	JIS Z3221	ES309-16	
	EN 3581-A	E 22 12 R	
Type of coating: Lime titania type	GB T 983	E309-16	

Applications and Features

- (1) Weld metal is 23.5%Cr-13%Ni.
- (2) The proper ferrite contents in the weld metal can prevent crack at high temperature.
- (3) It is suitable for welding AISI 309S and dissimilar metals (mild steel and stainless steel).
- (4) It is used as the buttering layer when welding dissimilar metals, which provides excellent performance for corrosion resistant surface between mild steel and hard-to-weld steel.

Welding Position

All Positions

Welding Instruction

- (1) Please refer to Appendix H for re-drying instructions.
- (2) For welding dissimilar metals, please refer to Appendix I.
- (3) For other instructions and information, please refer to Appendix F.

Typical Chemical Composition of Weld Metal (wt. %)

С	Si	Mn	Р	S	Cr	Ni
0.070	0.34	1.60	0.013	0.011	24.12	13.50

Typical Mechanical Properties of Weld Metal

Tensile Strength	Yield Strength	Elongation
N/mm² (kgf/mm²)	N/mm ² (kgf/mm ²)	%
580(59.1)	410(41.8)	42

Size and Suggested Operating Range (AC or DC+)

Diameter :	x Length (mm)	2.0x250	2.6x300	3.2x350	4.0x350	5.0x350
Amp	F/H-Fillet	35~55	50~85	80~120	100~150	140~200
	V-up/OH	30~50	45~85	70~110	90~135	_