

OK 309L

Acid-rutile coated MMA-electrode giving an overalloyed weld metal. Suitable for welding stainless steel to mild and low alloyed steels. Also suitable for welding of transition layers when surfacing mild steel with stainless steel weld metal.

Specifications				
Classifications	EN ISO 3581-A : E 23 12 L R 3 2			
	SFA/AWS A5.4 : E309L-16			
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Welding Current	AC, DC+
Ferrite Content	FN 12 - 22
Alloy Type	Austenitic CrNi
Coating Type	Acid Rutile

Typical Tensile Properties					
Condition Yield Strength Tensile Strength Elongation					
ISO					
As Welded	470 MPa	580 MPa	32 %		

Typical Charpy V-Notch Properties					
Condition Testing Temperature Impact Value					
ISO					
As Welded	20 °C	50 J			
As Welded	-10 °C	40 J			

Typical Weld Metal Analysis %						
С	Mn	Si	Ni	Cr	N	FN WRC-92
0.03	0.9	0.8	12.4	23.7	0.09	15

Deposition Data						
Diameter	Current	Voltage	Efficiency (%)	Fusion time per electrode at 90% I max	Deposition Rate	
2.5 x 300.0 mm	45-90 A	28 V	60 %	38 sec	1.1 kg/h	
3.2 x 350.0 mm	65-120 A	29 V	60 %	51 sec	1.6 kg/h	
4.0 x 350.0 mm	85-180 A	31 V	60 %	51 sec	2.5 kg/h	