

## Sureweld 312 Repair

Sureweld 312 Repair electrode produce a high tensile weld deposit and rich chemistry. As a result, it is one of the most widely used stainless steel stick electrodes , being used to weld dissimilar steels, abrasion resistant steels, high yield steels and for joining high temperature alloys to carbon or low alloy steels. It is a normal choice if you are going to weld an unknown stainless grade to another stainless or carbon steel. Sureweld 312 Repair produce a quality welding deposit, with high ductility and free of cracks and porosity. It can be used to weld Mn steels, and others high strength steels, such as hardening , armour and spring steels, and also as buffer layer for hardfacing.

### Specifications

<b>Classifications</b>	ASME SFA 5.4 AWS A5.4 : E312-16
<b>Industry</b>	Steel Industry Agricultural Equipment Industrial and General Fabrication Mining Repair and Maintenance

### Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	>590 MPa ( 85 ksi )	>660 MPa ( 95 ksi )	22 %

### Typical Weld Metal Analysis %

C	Mn	Si	Ni	Cr	Mo	Cu
0.12	0.80	0.70	10	28.5	0.05	0.1