



Supplier of Welding Alloys

## Mild and Low Alloy Steel Coated Electrodes

### Oxford Alloy® 9018-B3

**SPECIFICATIONS**

AWS 5.5  
ASME SFA 5.5

**CLASSIFICATIONS**

AWS E9018-B3  
UNS W53018

**DESCRIPTION / APPLICATION**

Oxford Alloy E9018-B3 is used for welding 2-1/4% Cr – 1% Mo steels. This electrode is commonly used on pressure vessels, heat exchangers, and other related components.

AWS Chemical Composition						
C	Mn	Si	P	S	Cr	Mo
0.05-0.12	0.90 max	0.80 max	0.03 max	0.03 max	2.00-2.50	0.90-1.20

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 108,750 psi 750 MPa  
Yield strength: 98,600 psi 680 MPa  
Elongation: 21%

Please contact our sales department for more information at 800-562-3355 or 225-273-4800.

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