



Supplier of Welding Alloys

Mild and Low Alloy Steel Flux Cored Wire

Oxford Alloy® 91T1-B3

SPECIFICATIONS

AWS 5.29
ASME SFA 5.29

CLASSIFICATIONS

AWS E91T1-B3
UNS W53031

DESCRIPTION / APPLICATION

Oxford Alloy E91T1-B3 is an all position flux cored wire recommended for welding 2-1/4 % Cr 1% Mo steels. The weld metal analysis is similar to an E9018-B3 electrode. The recommended shielding gas is CO² or argon mixtures up to 75% Argon. Oxford Alloy E91T1-B3 is designed for single or multiple pass welding.

AWS Chemical Composition						
C	Mn	Si	P	S	Cr	Mo
0.05-0.12	1.25 max	0.80 max	0.03 max	0.03 max	2.00-2.50	0.90-1.20

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 98,600 psi 680 MPa
Yield strength: 91,350 psi 630 MPa
Elongation: 24%

Stress relieved 1 hr. @ 1275F (691°C) with CO²

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

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