

Mild and Low Alloy Steel Coated Electrodes

Oxford Alloy® 7018-A1

SPECIFICATIONS

AWS 5.5
 ASME SFA 5.5

CLASSIFICATIONS

AWS E7018-A1
 UNS W17018

DESCRIPTION / APPLICATION

Oxford Alloy E7018-A1 is recommended for welding low-alloy, high tensile steels of 50 ksi (345 MPa) minimum yield strength, and also the 0.50% Molybdenum steels. These electrodes are commonly used in the fabrication and erection of boilers, pressure piping and tubing, and other pressure vessel applications.

AWS Chemical Composition						
C	Mn	Si	P	S	Mo	
0.12 max	0.90 max	0.80 max	0.03 max	0.03 max	0.40- 0.65	

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 98,600 psi 680 MPa
Yield strength: 85,550 psi 590 MPa
Elongation: 28%

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

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