



*Supplier of Welding Alloys*

## Mild and Low Alloy Steel Flux Cored Wire

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### Oxford Alloy® 71T-1M

**SPECIFICATIONS**

AWS 5.20  
ASME SFA 5.20

**CLASSIFICATIONS**

AWS E71T-1/1M  
UNS W07601

**DESCRIPTION / APPLICATION**

Oxford Alloy E71T-1/T-1M is an all position flux cored wire that combines excellent performance features with the ability to produce high quality welds. This wire produces fillet welds with little spatter. Cleaning time is reduced because the slag cover is complete and can be easily removed. Oxford Alloy E71T-1/T-1M is designed for welding mild and medium-carbon steels. It can also be used over normal rust and mill scale. This wire can be used with either 100% CO<sub>2</sub> or 75% Argon / 25% CO<sub>2</sub> shielding gas. The 75/25 gas mixture improves arc characteristics in out-of-position work. It also provides increased wetting action and easier arc control.

AWS Chemical Composition						
C	Mn	Si	P	S	Cr	Ni
0.18 max	1.75 max	0.90 max	0.03 max	0.03 max	0.20 max	0.50 max
Mo	V	Al	Cu			
0.30 max	0.08 max	-	0.35 max			

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 75,400 psi 520 MPa  
Yield strength: 72,500 psi 500 MPa  
Elongation: 28%

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

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