



Supplier of Welding Alloys

## Nickel Alloy Flux Cored Wire

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### Oxford Alloy® 625T-1

**SPECIFICATIONS**

AWS 5.34  
ASME SFA 5.34

**CLASSIFICATIONS**

AWS ENiCrMo3T1-1/T1-4  
UNS W86625

**DESCRIPTION / APPLICATION**

Oxford Alloy 625T-1 is a gas shielded all position flux cored wire that results in a deposit that is within the chemical composition requirements of AWS 5.34. Some typical applications include joining nickel-chromium-molybdenum alloys, surfacing steel with nickel-chromium-molybdenum weld metal, joining steels to nickel based alloys. This flux cored wire is also used to clad the side of joints in steels that have been clad with nickel-chromium-molybdenum.

AWS Chemical Composition						
C	Mn	Si	Cr	Mo	Fe	Cb
0.1 max	0.5 max	0.5 max	20.0-23.0	8.0-10.0	5.0 max	3.15-4.15
Ti	S	P	Ni	Cu		
0.4 max	0.015 max	0.02 max	58.0 min	0.5 max		

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 112,085 psi 773 MPa

Yield strength: 72,065 psi 497 MPa

Elongation: 38%

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

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