



*Supplier of Welding Alloys*

## Stainless Steel TIG, MIG and SUB-ARC Wire

### Oxford Alloy® 308/308L

**SPECIFICATIONS**

AWS 5.9  
ASME SFA 5.9

**CLASSIFICATIONS**

AWS ER308/308L  
UNS S30883

**DESCRIPTION / APPLICATION**

Oxford Alloy ER308L is ideal for welding Types 304L, 321, and 347. This classification is the same as Oxford Alloy ER308, except for the carbon content. The carbon content is held to a maximum of .03% to reduce the possibility of intergranular carbide precipitation. This increases the resistance to intergranular corrosion without the use of stabilizers such as columbium (niobium) or titanium. Strength of this low-carbon alloy, however, is less than that of the columbium (niobium)-stabilized alloys or Type 308H at elevated temperatures.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	S	P
0.03 max	1.0-2.5	0.30-0.65	19.5-22.0	9.0-11.0	0.03 max	0.03 max
Mo	Cu					
0.75 max	0.75 max					

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 84,100 psi 580 MPa  
Yield strength: 58,000 psi 400 MPa  
Elongation: 42%

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

Data contained in this publication are typical of the products and properties described, but are not suitable for specifications.  
OXFORD ALLOYS is a registered trademark of Oxford Alloys, Inc.