



Supplier of Welding Alloys

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

### Oxford Alloy® 2209

**SPECIFICATIONS**

AWS 5.9  
ASME SFA 5.9

**CLASSIFICATIONS**

AWS ER2209  
UNS S39209

**DESCRIPTION / APPLICATION**

Oxford Alloy 2209 is designed to weld duplex stainless steels such as 2205 (UNS Number N31803). High tensile strength and improved resistance to stress corrosion cracking and pitting characterize the welds of this wire. This wire is lower in ferrite compared to that of base metal in order to obtain improved weldability.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	Mo	S
0.03 max	0.50 -2.0	0.90 max	21.5-23.5	7.5-9.5	2.5-3.5	0.03 max
P	Cu	N				
0.03 max	0.75 max	0.08-0.20				

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 104,400 psi 720 MPa  
Yield strength: 81,200 psi 560 MPa  
Elongation: 26%

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.  
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