



Supplier of Welding Alloys

Stainless Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy® 320LR

SPECIFICATIONS

AWS 5.9
ASME SFA 5.9

CLASSIFICATIONS

AWS ER320LR
UNS NO8022

DESCRIPTION / APPLICATION

Oxford Alloy ER320LR has a composition similar to Oxford Alloy ER320, except that carbon, silicon, phosphorus, and sulfur levels are kept at lower levels as well as the columbium and manganese being specified at a narrower range. The low melting residuals are limited in this alloy to reduce the possibility of micro fissuring. It is for this reason that the Oxford Alloy ER320LR is often used for welding Type 320 stainless steels.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	Mo	Cb+Ta
0.025 max	1.5-2.0	0.15 max	19.0-21.0	32.0-36.0	2.0-3.0	8 x C min/0.40 max
S	P	Cu				
0.02 max	0.015 max	3.0-4.0				

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 86,000 psi 590 MPa
Yield strength: 57,500 psi 400 MPa
Elongation: 35%

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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