



Supplier of Welding Alloys

Stainless Steel Coated Electrodes

Oxford Alloy® 320LR-16

SPECIFICATIONS

AWS 5.4
ASME SFA 5.4

CLASSIFICATIONS

AWS E320LR-16
UNS W88022

DESCRIPTION / APPLICATION

Oxford Alloy E320LR-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. Oxford Alloy E320LR-16 is designed for welding on alloy 20 and alloy 20 Cb-3® or alloys of similar composition in wrought or cast forms. This electrode is specifically designed to resist the hot cracking and microfissuring often encountered when welding fully austenitic stainless steels. These properties are achieved by closely controlling the residual elements detrimental to the weld deposit.

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AWS Chemical Composition						
C	Mn	Si	P	S	Cr	Ni
0.03 max	1.5-2.5	0.30 max	0.020 max	0.015 max	19.0-21.0	32.0-36.0
Cu	Mo	Cb+Ta				
3.0-4.0	2.0-3.0	8 x C, min to 0.40 max				

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 85,000 psi 590 MPa

Yield strength: 57,000 psi 390 MPa

Elongation: 34%

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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