



Supplier of Welding Alloys

Stainless Steel Coated Electrodes

Oxford Alloy® 308/308H-16

SPECIFICATIONS

AWS 5.4
ASME SFA 5.4

CLASSIFICATIONS

AWS E308/308H-16
UNS W30810

DESCRIPTION / APPLICATION

Oxford Alloy E308/308H-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. This electrode is used to weld base metal of similar composition such as AISI 301, 302, 304, 304H, 308, 308H and 347. Carbon content 0.04% minimum. This dual classification will help eliminate redundancy.

| AWS Chemical Composition | | | | | | |
|--------------------------|-----------|----------|---------|---------|----------|----------|
| C | Cr | Ni | Mn | Si | P | S |
| 0.04-0.08 | 18.0-21.0 | 9.0-11.0 | 0.5-2.5 | 1.0 max | 0.04 max | 0.03 max |
| Cu | Mo | | | | | |
| 0.75 max | 0.75 max | | | | | |

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 83,810 psi 578 MPa

Yield strength: 58,725 psi 405 MPa

Elongation: 46%

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.