



Supplier of Welding Alloys

Mild and Low Alloy Steel Coated Electrodes

Oxford Alloy® 8018-B8 (505-16)

SPECIFICATIONS

AWS 5.5
ASME SFA 5.5

CLASSIFICATIONS

AWS E8018-B8
UNS W50418

DESCRIPTION / APPLICATION

Oxford Alloy E8018-B8 coated electrodes are designed to weld 9% Chrome –1% Molybdenum creep resisting steels such as ASTM A213-T9 and A335-P9. These types of steels are normally used in pressure vessels and piping for high temperature service. This alloy was formally called 505.

AWS Chemical Composition						
C	Mn	Si	P	S	Ni	Cr
0.05-0.10	1.0 max	0.90 max	0.03 max	0.03 max	0.40 max	8.0-10.5
Mo						
0.85-1.20						

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 79,750 psi 550 MPa
Yield strength : 66,700 psi 460 MPa
Elongation: 19%

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

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