



MAC STAIN E108

■ **Description & Applications:**

A specially designed composition where Molybdenum % is reduced to form a hybrid alloy between 308H and 316H, operates in temperatures up to 800C.

Gives a very high resistance to thermal embrittlement. Creep ductility is enhanced at temperatures above 650C.

Used mainly in power generation and chemical process industries on applications such as, steam turbines, catalytic crackers, transfer piping and furnace accessories.

■ **Related Specification:**

AWS E 16.8.2-17

■ **Typical All Weld Metal Chemical Analysis %:**

C	Mn	Si	Cr	Ni	Mo	P	S	Cu
0.05	1.25	0.45	15.5	8.25	1.25	0.015	0.01	0.3

■ **Typical All Weld Metal Mechanical Properties:**

As Welded

0.2% Proof Stress	400 MPa
Ultimate Tensile Strength	620 MPa
Elongation on 4d	38%
Reduction of Area	45%

■ **Current:**

DC (+ve) AC (OCV 55v min)

■ **Sizes Available and Recommended Amperages:**

2.50mm	3.25mm	4.00mm	5.00mm
60-80	80-100	90-140	130-200

■ **Storage:**

If allowed to become damp this should be re-dried for one hour at 200°C before use.