



## MAC STAIN E100 UREA B

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■ **Description & Applications:**

A nil ferrite, non magnetic fully austenitic E316L alloy used in the marine and offshore industry. Also withstands attack by nitric acid. Basic coating gives ability for positional welding giving high strength and corrosion resistance at cryogenic temperatures.

■ **Related Specification:**

Known as E 18:15:3 LB although no AWS specification allocated.

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

C	Mn	Si	S	P	Cr	Ni	Mo	N
Max 0.04	3.5	0.6	0.015	0.02	18.5	16.0	3.0	0.15

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

**As Welded**

0.2% Proof Stress	420 Mpa
Ultimate Tensile Strength	580 Mpa
Elongation 4d	36%
Impact Energy at -196C	50 Joules

■ **Current:**

DC (+)

■ **Sizes Available and Recommended Amperages:**

2.50mm	3.25mm	4.00mm	5.00mm
60-90	80-120	100-150	150-200