

## Exaton 25.22.2.LMn-15

25.22.2.LMn-15 is a chromium-nickel-molybdenum covered electrode with basic coating for welding of austenitic stainless steels for example, UNS S31050, 1.4466 or UNS S31603, 1.4435. used in the production of ammonium carbamate, nitric acid and inorganic acids. It is also used for surfacing on low alloyed steels. The electrode combines good welding properties such as arc stability, low spatter and self peeling slag with very low impurity levels. The fully austenitic weld metal (maximum 0.6% ferrite) is very resistant to hot cracking. 25.22.2.LMn-15 is used for welding UNS S31050, 1.4466 or UNS S31603, 1.4435. urea grade materials. But it can also be used for the following types: ISO 1.4466, 1.4335, 1.4435, 1.4436, 1.4477, 1.4578 and 1.4585; UNS S31050, S31002, S31603 and S31600.

### Specifications

<b>Classifications</b>	EN ISO 3581-A : E 25 22 2 N L B 12 SFA/AWS A5.4 : (E310Mo-15)
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<b>Welding Current</b>	DC+
<b>Ferrite Content</b>	FN 0
<b>Alloy Type</b>	25Cr 22Ni 2Mo N
<b>Coating Type</b>	Basic

### Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
<b>ISO</b>			
As Welded	420 MPa ( 61 ksi )	600 MPa ( 87 ksi )	30 %

### Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
<b>ISO</b>		
As Welded	20 °C ( 68 °F )	70 J ( 52 ft-lb )

### Typical Weld Metal Analysis %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
<=0.04	4.5	0.4	<=0.020	<=0.020	22	25	2.1	0.05	0.14

### Typical Weld Metal Analysis %

<b>FN WRC-92</b>
0

### Deposition Data

Diameter	Current	Deposition Efficiency (%)	Burn-off Time/Electrode	Deposition Rate @ 90% I max
2.5 x 300.0 mm ( 0.098 x 11.8 in. )	60-80 A			0.0 kg/h ( 0.0 lbs/h )
3.2 x 350.0 mm ( 1/8 x 13.8 in. )	80-110 A	64 %	55 sec	1.7 kg/h ( 3.7 lbs/h )
4.0 x 350.0 mm ( 5/32 x 13.8 in. )	110-140 A	53 %	75 sec	2.3 kg/h ( 5.1 lbs/h )