

# ENiCrMo-3 Welding Electrode

## For Welding Alloys 625 / 825 / 25-6MO and Molybdenum-Containing Stainless Steels

**ENiCrMo-3** delivers weld metal with exceptional corrosion resistance, including pitting, crevice corrosion, and polythionic acid stress-corrosion cracking. It maintains high strength at room and elevated temperatures.

The electrode is suitable for surfacing on steels and for joining nickel alloys, stainless steels, low-alloy steels, and carbon steels. Its versatility makes it well-suited for chemical, power, and marine applications.

## Specification

AWS A5.11 ENiCrMo-3 (UNS W86112)

ASME II, Part C, SFA-5.11, ENiCrMo-3 (UNS W86112)

ASME IX, F-No.43

\*DIN 1736 EL-NiCr20Mo9Nb (2.4621)

\*(EN) ISO 14172 – ENi6625 (NiCr22Mo9Nb)

Custom specifications available upon request.

For information regarding certifications and industry approvals, please contact our Technical Department.

## Limiting Chemical Composition

Element	Ni+Co	C	Mn	Fe	S	Cu
Content(%)	55.0 min	0.10 max	1.0 max	7.0 max	0.02 max	0.50 max
Element	Si	Cr	Nb+Ta	Mo	P	Others
Content(%)	0.75 max	20.0-23.0	3.15-4.15	8.0-10.0	0.03 max	0.50 max

## Minimum Mechanical Properties

Property	Value
Tensile Strength, psi	110,000
MPa	758
Elongation, (4d) %	30

## Available Product Forms – Supplied in 10lbs (4.54kg) hermetically sealed containers

Diameter	mm in	2.4 3/32	3.2 1/8	4.0 5/32	4.8 3/16
Length	mm in	229 12	356 14	356 14	356 14
Current (DC+)	A	40-65	65-90	90-125	125-160