

# TECHNICAL SHEET

ERNiMo-3

**BEIDUO**® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000394

## Classification

AWS A5.14: ERNiMo-3

## Chemical Composition: %

C	Mn	Fe	Cu	Si	Mo	Cr	Ni	Other
≤0.08	1.0	4.0-7.0	0.5	1.0	26.0-30.0	1.0	Balance	0.5

## Mechanical and physical properties

Tensile strength: 1158 Mpa

Yield strength: 1035Mpa

Elongation: 42 %

Hardness: 335HB

## Welding process:

TIG , MIG

## Description and Applications

It is a Nickel-Chromium-Molybdenum used for welding similar base metals or for welding dissimilar combinations of cobalt and nickel based alloys used in high temperature service. Commonly used in the aircraft industry for jet engine repair and maintenance, gas turbine parts and rotor hubs.

## Availability

Rods:  $\phi$  1.5-5.0mm Max.Length: 1000mm

Wire:  $\phi$  0.8, 1.0, 1.2, 1.6mm on spools D300

Other dimensions are available upon request

## BEIDUO ALLOYS

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