



CEWELD Alloy B3

TYPE	Nickel based wire or rod for welding Hastelloy B2 and B3										
APPLICATIONS	Plants for the production and processing of hydrochloric, sulfuric, acetic and phosphoric acids. Plants for ethylbenzene production. Pressure vessels for chloroprene production. Plants for the production of phenol from isopropyl benzene. Pyrolysis plants for the production of acetic anhydride										
PROPERTIES	CEWELD® Alloy B3 is a nickel-base alloy with excellent resistance tot hydrochlorid acid at all concentrations and tempertures. It also withstands hydrogen chloride, sulfuric, acetic, hydrofluoric nd phosphoric acids. The alloy has improved thermal stability, fabricability and stress corrosion cracking resistance.										
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.14: ERNiMo-10</td> </tr> <tr> <td>EN ISO</td> <td>18274: S Ni 1067(NiMo30Cr)</td> </tr> <tr> <td>W.Nr.</td> <td>2.4600</td> </tr> <tr> <td>F-nr</td> <td>43</td> </tr> <tr> <td>FM</td> <td>6</td> </tr> </table>	AWS	A 5.14: ERNiMo-10	EN ISO	18274: S Ni 1067(NiMo30Cr)	W.Nr.	2.4600	F-nr	43	FM	6
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EN ISO	18274: S Ni 1067(NiMo30Cr)										
W.Nr.	2.4600										
F-nr	43										
FM	6										
SUITABLE FOR	Hastelloy B2, Hastelloy B3, 17744, 17750, 17751, 17752, 17753 ASTM: B 333, B 335, B 564, B 619, B 622, B 626										

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	Ti	V	Fe	W	Co
0.01	0.08	2	2	68	28	0.1	0.1	2	2	2

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded	544	824	45	195		HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1



CEWELD Alloy B3

ALLOY B3 0,9MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663419873