



CEWELD E Alloy B3

TYPE	Nickel based stick electrode. (Type Alloy B3, Ni1067, E NiMo-10)										
APPLICATIONS	CEWELD® E Alloy B3 is for welding Hastelloy B2, Hastelloy B3, dissimilar welding Hastelloy to nickel-iron-based corrosion alloys, for weld overlay cladding. It is used in numerous chemical process industry (CPI) applications, especially in the construction of reaction vessels for pure, reducing acid service.										
PROPERTIES	CEWELD® E Alloy B3 is a nickel-base alloy with excellent resistance to hydrochloric acid at all concentrations and temperatures. It also withstands hydrogen chloride, sulfuric, acetic, hydrofluoric and phosphoric acids. The alloy has improved thermal stability, fabricability and stress corrosion cracking resistance.										
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.11: E NiMo-10</td> </tr> <tr> <td>EN ISO</td> <td>14172: Ni1067 (NiMo30Cr)</td> </tr> <tr> <td>F-nr</td> <td>43</td> </tr> <tr> <td>W.Nr.</td> <td>2.4695</td> </tr> <tr> <td>W.Nr.</td> <td>2.4696</td> </tr> </table>	AWS	A 5.11: E NiMo-10	EN ISO	14172: Ni1067 (NiMo30Cr)	F-nr	43	W.Nr.	2.4695	W.Nr.	2.4696
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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 No Approvals Found

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	Cr	Ni	Mo	Fe	W	Co
0.01	0.1	1.5	2.5	68	27	1.2	1	1

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} MPa	R _m MPa	A5 (%)	Impact Energy (J) ISO-V RT
As Welded /	400	700	40	120

REDRYING TEMPERATURE Not required

GAS ACCORDING EN 14175



CEWELD E Alloy B3

E ALLOY B3 3,2 X 355MM

Type	KG/unit	EANCode
Can	2,27	8720663419897

E ALLOY B3 4,0 X 355MM

Type	KG/unit	EANCode
Can	2,27	8720663419927