



CEWELD Alloy B3 Tig

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 Tig 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	AWS	A 5.14: ERNiMo-10									
	EN ISO	18274: S Ni 1067(NiMo30Cr)									
	W.Nr.	2.4695									
	F-nr	43									
	FM	6									
SUITABLE FOR	Hastelloy B2, Hastelloy B3 oder B4, Nicrofer® 6629 NiMo29Cr, NiMo28 2.4600, 2.4617 UNS N 10629, N 10629, N10665 ASTM: B 333, B 335, B 564, B 619, B 622, B 626										
APPROVALS											
WELDING POSITIONS	      										
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	Cr	Ni	Mo	Ti	V	Fe	W	Co
	0.001	0.08	0.59	1.54	67.2	28.6	0.05	0.008	1.44	0.5	0.3
MECHANICAL PROPERTIES	Heat Treatment		R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V				Hardness	
	As Welded		540	820	45	RT				195	
										HRc	
REDRYING	Not required										
GAS ACC. EN ISO 14175	I1										