



CEWELD Alloy B3 Tig

TYPE	Nickel based wire or rod for welding Hastelloy B2 and B3										
ANWENDUNGEN	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										
EIGENSCHAFTEN	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.										
KLASSIFIKATION	AWS	A 5.14: ERNiMo-10									
	EN ISO	18274: S Ni 1067(NiMo30Cr)									
	W.Nr.	2.4695									
	F-nr	43									
	FM	6									
GEEIGNET FÜR	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										
ZULASSUNGEN											
SCHWEISSPOSITIONEN	      										
TYPISCHE CHEMISCHE ANALYSE DES SCHWEISSMETALLS (%)	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
MECHANISCHE GÜTEWERTE	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		
RÜCKTROCKNUNG	Not required										
GAS ACC. EN ISO 14175	I1										