



CEWELD Alloy B3

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 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.

KLASSIFIKATION

AWS	A 5.14: ERNiMo-10
EN ISO	18274: S Ni 1067(NiMo30Cr)
W.Nr.	2.4600
F-nr	43
FM	6

GEEIGNET FÜR **Hastelloy B2, Hastelloy B3,**
17744, 17750, 17751, 17752, 17753
ASTM: B 333, B 335, B 564, B 619, B 622, B 626

ZULASSUNGEN

SCHWEISSPOSITIONEN



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

MECHANISCHE GÜTEWERTE

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

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175 I1



CEWELD Alloy B3

ALLOY B3 0,9MM

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