



# 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**

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 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 <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	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