








# 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									
	F-nr	43									
	FM	6									
	W.Nr.	2.4600									
SUITABLE FOR	Hastelloy B2, Hastelloy B3, dissimilar welding Hastelloy to nickel- of iron-based corrosion alloys, for weld overlay cladding										
APPROVALS	No Approvals Found										
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
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R <sub>P0,2</sub> MPa	R <sub>m</sub> MPa	A5 (%)	Impact Energy (J) ISO-V						
	As Welded /	544	824	45	RT						
					195						
REDRYING TEMPERATURE	Not required										
GAS ACCORDING EN 14175	I1										



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ALLOY B3 0,9MM

Type	KG/unit	EANCode
BS-300	13,6	8720663419873