



CEWELD 16.8.2 Tig

TYPE	A specially designed hybrid alloy between 308H and 316H for high temperature applications.								
APPLICATIONS	Used mainly in power generation and chemical process industries on applications such as, steam turbines, catalytic crackers, transfer piping and furnace accessories.								
PROPERTIES	A specially designed composition where Molybdenum % is reduced to form a hybrid alloy between 308H and 316H, operates in temperatures up to 800 °C. CEWELD® 16.8.2 Tig gives a very high resistance to thermal embrittlement. Creep ductility is enhanced at temperatures above 650 °C.								
CLASSIFICATION	AWS	A 5.9: ER16-8-2							
	EN ISO	14343-A: W 16 8 2							
	F-nr	4							
	FM	5							
SUITABLE FOR	1.4948, 1.4941, 1.4961, 1.4919, X6CrNi18-10, X8CrNiTi18-10, X8CrNiNb16-13, X6CrNiMoB17-12-2, 304H, 321H , 347H, 316H, UNS 30409, S32109,S34709, S31609, 304S51, 321S51, 347S51, 316S51, 316S53								
APPROVALS	CE								
WELDING POSITIONS	 PA  PB  PC  PD  PE  PF								
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	Cu
	0.05	0.4	1.3	0.01	0.003	15.3	8.4	1.2	0.02
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V			Hardness	
					-196°C				
	As Welded	420	850	>35	90			HRc	
REDRYING	Not required								
GAS ACC. EN ISO 14175	I1, I3								



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16.8.2 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413253