



CEWELD 16.8.2-17

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® 16.8.2-17 gives a very high resistance to thermal embrittlement. Creep ductility is enhanced at temperatures above 650 °C.								
CLASSIFICATION	AWS	A 5.4: ~E 16.8.2-17							
	EN ISO	3581-A: ~E 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									
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	Cu
	0.05	0.45	1.25	0.015	0.01	15.5	8.25	1.25	0.3
MECHANICAL PROPERTIES	Heat Treatment		R _{P0,2} (MPa)		R _m (MPa)		A ₅ (%)	Hardness	
	As Welded		400		620		38	HRc	
REDRYING	140°C / 2 hr								
CURRENT TYPE	AC / DC+								
GAS ACC. EN ISO 14175									



CEWELD 16.8.2-17

16.8.2-17 2,5 X 350MM

Packaging	KG/unit	EanCode
Can	2,5	8720663412942

16.8.2-17 3,2 X 350MM

Packaging	KG/unit	EanCode
Can	2,6	8720663412959

16.8.2-17 4,0 X 350MM

Packaging	KG/unit	EanCode
Can	2,8	8720663412966