



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

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