



CEWELD Alloy 740H

TYPE	Solid Nickel based (GMAW) welding wire with precipitation hardening weld deposit.											
APPLICATIONS	A Superalloy Specifically Designed For Advanced Ultra Supercritical Power Generation. Potential applications include advanced power production boiler tubes and diesel engine exhaust valves.											
PROPRIÉTÉS	Alloy 740H is a nickel-base, precipitation hardenable superalloy that offers a unique combination of high strength and creep resistance at elevated temperatures along with resistance to coal ash corrosion. The alloy was originally targeted for use as A-USC boiler tubes in the superheater sections of these plants but was then adapted for application as a material for the steam headers to which the boiler tubes are connected.											
CLASSIFICATION	AWS A 5.14: ~ ER NiCrCo-1											
CONVIENT POUR	Inconel alloy 740H UNS N 07740											
AGRÉMENTS												
POSITIONS DE SOUDAGE	PA PB PC PD PE											
ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)	C	Si	Mn	Cr	Ni	Mo	Nb	Fe	Co			
	0.08	0.9	0.8	24	40	1.5	2	2.5	21			
PROPRIÉTÉS MÉCANIQUES	Heat Treatment			R _{P0,2} (MPa)	Rm (MPa)	A5 (%)	Hardness					
	As Welded			760	1150	30	HRc					
ETUVAGE	Not required											
GAS ACC. EN ISO 14175	I1											