



CEWELD AA NiFe36

TYPE	Flux cored welding wire developed for welding cast iron with excellent weldability.			
APPLICATIONS	Joining and rebuilding Cast Iron with globular graphite, tempered Cast Iron and for joining Cast Iron with steel. Used for standards of length, measuring devices, laser components, bi-metal thermostat strip, thermostat rods, and tanks and piping for storing and transporting liquefied gases.			
PROPRIÉTÉS	Very good welding and wetting characteristics and high resistance to cracks and fissures. Extreme good deposition rate compare to MMA. High strength and good bonding weld metal. NiFe36 has a composition that matches "NiLo" and offer the lowest shrinkage possible to avoid cracks during heating and the cooling period. The weld deposit also retains good strength and toughness at cryogenic temperatures and has a low coefficient of expansion from cryogenic temperatures to about 500°F (260°C).			
CLASSIFICATION	AWS EN ISO W.Nr.	A 5.15: E NiFe-CI 1071: T C NiFe-1 1.3912		
CONVIENT POUR	Spheroidal Cast Iron, Diluted Cast Iron, old Cast Iron, Steel to Cast Iron etc. EN 1561: EN-GJL-100, EN-GJL-150, EN-GJL-200, EN-GJL-250, EN-GJL-300, EN-GJL-350, GG10, GG15; GG20, GG25; GG30; GG35; GG40 EN 1562: EN-GJMB-350, EN-GJMB-550 , EN- GJMW-350, EN- GJMW-550 , GTS 35, GTS 55, GTW 35, GTW 55 EN1563: EN-GJS-400-15, EN-GJS-400-18, EN-GJS-450-10, EN-GJS-500-7, EN-GJS-600-3, EN-GJS-700-2. GGG40, GGG45, GGG50, GGG60; GGG70, GGG80			
AGRÉMENTS				
POSITIONS DE SOUDAGE	 PA  PB  PC			
ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)	C 0.1	Si 0.5	Mn 2.4	Ni 36 Fe Rem.
PROPRIÉTÉS MÉCANIQUES	Heat Treatment As Welded	R _{p0,2} (MPa)	R _m (MPa)	A5 (%) Hardness 150 HV
ETUVAGE	Not required			
GAS ACC. EN ISO 14175	I1, M13			