



CEWELD NiCrBSi 6 Tig (Colmonoy 6)

certilas® THE FILLER METAL SPECIALIST

TYPE	Nickel based Tig filler metal for hardfacing and overlay applications.						
APPLICATIONS	NiCrBSi 6 TIG offers outstanding metallurgical and physical properties making them ideally suited to solving wear mechanisms such as abrasion, erosion, corrosion and high-temperatures encountered in service.						
PROPRIÉTÉS	This nickel based alloy offers superior wear protection, retaining its hardness up to 600°C (1000°F) with significant resistance to oxidation.						
CLASSIFICATION	AWS	A 5.21: ERNiCr-C					
CONVIENT POUR	Aircraft gas turbines, steam turbine powerplants, turbochargers and valves in reciprocating engines, prosthetic devices, heat treating equipment, pollution control equipment, coal gasification and liquefaction systems, and components in pulp and paper mills.						
AGRÉMENTS							
POSITIONS DE SOUDAGE							
ANALYSE CHIMIQUE TIPIQUE DU MÉTAL D'APPORT (%)	C 0.7	Ni Rem.	Cr 14	B 3	Si 4.25	Fe 4	
PROPRIÉTÉS MÉCANIQUES	Heat Treatment As Welded	$R_{P0.2}$ (MPa)	R_m (MPa)	A5 (%)	Hardness 55.5 HRc		
ETUVAGE	Not required						
GAS ACC. EN ISO 14175	I1						