



CEWELD NiCrBSi 4 Tig (Colmonoy 4)

certilas® THE FILLER METAL SPECIALIST

TYPE	Nickel based Tig filler metal for hardfacing and overlay applications.							
APPLICATIONS	NiCrBSi 4 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-A							
CONVIENT POUR	UNS N99644, DELORO 40 Alloy, Colmonoy 4 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 TYPIQUE DU MÉTAL D'APPORT (%)	C 0.4	Ni Rem.	Cr 10	B 2.4	Si 2.1	Fe 2.8		
PROPRIÉTÉS MÉCANIQUES	Heat Treatment As Welded	$R_{P0.2}$ (MPa)	R_m (MPa)	A5 (%)	Hardness 40 HRc			
ETUVAGE	Not required							
GAS ACC. EN ISO 14175	I1							