



CEWELD NiCrBSi 6 Tig (Colmonoy 6)

certilas® THE FILLER METAL SPECIALIST

TYPE	Nickel based Tig filler metal for hardfacing and overlay applications.							
ANWENDUNGEN	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.							
EIGENSCHAFTEN	This nickel based alloy offers superior wear protection, retaining its hardness up to 600°C (1000°F) with significant resistance to oxidation.							
KLASSIFIKATION	AWS	A 5.21: ERNiCr-C						
GEEIGNET FÜR	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.							
ZULASSUNGEN								
SCHWEISSPOSITIONEN								
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	C 0.7	Ni Rem.	Cr 14	B 3	Si 4.25	Fe 4		
MECHANISCHE GÜTEWERTE	Heat Treatment As Welded	$R_{P0.2}$ (MPa)	R_m (MPa)	A5 (%)	Hardness 55.5 HRc			
RÜCKTROCKNUNG	Not required							
GAS ACC. EN ISO 14175	I1							