



# CEWELD NiCrBSi 4 Tig (Colmony 4)

TYPE	Nickel based Tig filler metal for hardfacing and overlay applications.					
TOEPASSINGEN	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.					
EIGENSCHAPPEN	This nickel based alloy offers superior wear protection, retaining its hardness up to 600°C (1000°F) with significant resistance to oxidation.					
CLASSIFICATIE	AWS	A 5.21: ERNiCr-A				
GESCHIKT VOOR	<b>UNS N99644, DELORO 40 Alloy, Colmony 4</b> 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.					
GOEDKEURINGEN						
LASPOSITIES						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Ni	Cr	B	Si	Fe
	0.4	Rem.	10	2.4	2.1	2.8
MECHANISCHE WAARDEN	Heat Treatment		R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A5 (%)	Hardness
	As Welded					40 HRc
HERDROGEN	Not required					
GAS ACC. EN ISO 14175	I1					