



CEWELD NiCrBSi 4 Tig (Colmonoy 4)

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	Ni	Cr	B	Si	Fe
0.4	Rem.	10	2.4	2.1	2.8

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A5 (%)	Hardness
As Welded				40 HRc

ETUVAGE Not required

GAS ACC. EN ISO 14175 I1