



CEWELD NiCrBSi 6 Tig (Colmonoy 6)

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



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Ni	Cr	B	Si	Fe
0.7	Rem.	14	3	4.25	4

MECHANISCHE GÜTEWERTE

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded				55.5 HRc

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175 11