



# 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**



**TYPISCHE CHEMISCHE  
ANALYSE DES  
FÜLLMETALLS (%)**

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

**MECHANISCHE GÜTEWERTE**

| Heat Treatment | R <sub>P0.2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|----------------|-------------------------|----------------------|--------|----------|
| As Welded      |                         |                      |        | 55.5 HRc |

**RÜCKTROCKNUNG** Not required

**GAS ACC. EN ISO 14175** I1