



CEWELD AA CrCoMo 50

TYPE High-alloyed tubular wire on a C-Cr-Co basis for wear protection in several applications where metal to metal wear at high temperatures is needed. Weldable with shielding gas according EN 439: M11, M12 and M21

APPLICATIONS Hot working tools such as: Dies and Continuous casting rollers.

PROPERTIES Very good corrosion resistance and high hardness due to the amount of „Cobalt“ even at higher temperatures. Excellent weldability and often used as economical alternative for „stellite“ .

CLASSIFICATION EN ISO 14700: T Fe3

SUITABLE FOR 48-50 HRc hardfacing alloy containing Cobalt for excelent metal to metal wear, hot working tools, dies and continuous casting rollers.

APPROVALS

WELDING POSITIONS



| TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%) | C | Si | Mn | Cr | Mo | Co |
|---------------------------------------------|-----|-----|-----|----|-----|----|
| | 0.1 | 0.7 | 0.4 | 15 | 3.2 | 14 |

| MECHANICAL PROPERTIES | Heat Treatment | R _{p0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness |
|-----------------------|----------------|-------------------------|----------------------|--------------------|----------|
| | As Welded | | | | 49 HRc |

REDRYING 140°C / 24 hr

GAS ACC. EN ISO 14175 M21