



# 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 <sub>p0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded      |                         |                      |                    | 49 HRc   |

**REDRYING** 140°C / 24 hr

**GAS ACC. EN ISO 14175** M21