



# CEWELD AA CrCoMo 46

|   |   |                         |          |        |          |      |      |  |  |  |
|---|---|-------------------------|----------|--------|----------|------|------|--|--|--|
| TYPE  | High-alloyed tubular wire on a Fe-Cr-Co-Mo basis for high temperature applications.   |                         |          |        |          |      |      |  |  |  |
| APPLICATIONS                                | The characteristics of the deposit are comparable with cobalt-base alloys in terms of thermal shock and corrosion resistance that makes this alloy applicable for overlaying parts that are subject to high temperatures combined with corrosion attack, wear and thermal shock combinations. CEWELD AA CrCoMo 46 can be used as intermediate layer against metal to metal wear at high pressure loads. |                         |          |        |          |      |      |  |  |  |
| PROPERTIES                                  | Very good corrosion resistance combined with excellent hardness properties at temperatures up to 650°C. Scale resistant till 900°C and excellent strength at high working temperatures. Excellent weldability and often used as economical alternative for „stellite“<br>Best results with I1 (100%Ar) shielding gasses with 2,5-18% CO <sub>2</sub> (M12-M20-M21) also possible.                       |                         |          |        |          |      |      |  |  |  |
| CLASSIFICATION                              | EN ISO 14700: T Fe3<br>DIN 8555: MF-3-45-CKTZ   |                         |          |        |          |      |      |  |  |  |
| SUITABLE FOR                                | Hot rolling parts for continuous casting, hotpress tools, pump parts, sleeves, mandrels, forging hammers, chemical and glass industry.  |                         |          |        |          |      |      |  |  |  |
| APPROVALS                                   |   |                         |          |        |          |      |      |  |  |  |
| WELDING POSITIONS                           |   |                         |          |        |          |      |      |  |  |  |
| TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%) | C   | Mn                      | Cr       | Ni     | Mo       | Co   | Si   |  |  |  |
|   | 0.2   | 1.25                    | 14.7     | 1.45   | 3.1      | 12.5 | 0.75 |  |  |  |
| MECHANICAL PROPERTIES                       | Heat Treatment  | R <sub>P0,2</sub> (MPa) | Rm (MPa) | A5 (%) | Hardness |      |      |  |  |  |
|   | As Welded   |                         |          |        | 50 HRc   |      |      |  |  |  |
| REDRYING                                    | 140°C / 24 hr   |                         |          |        |          |      |      |  |  |  |
| GAS ACC. EN ISO 14175                       | M12, M21, I1, M20   |                         |          |        |          |      |      |  |  |  |



# CEWELD AA CrCoMo 46

AA CRCOMO 46 1,2MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720682051993 |

AA CRCOMO 46 1,6MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663403957 |