




# 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“ Best results with I1 (100%Ar) shielding gasses with 2,5-18% CO2 (M12-M20-M21) also possible.												
CLASSIFICATION	EN ISO                      14700: T Z Fe3 DIN                            8555: MF-3-45-CKTZ												
SUITABLE FOR	Hot rolling parts for continuous casting, hotpress tools, pump parts, sleeves, mandrels, forging hammers, chemical and gas industry.												
APPROVALS	No Approvals Found												
WELDING POSITIONS													
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 16.6%;">C</td> <td style="width: 16.6%;">Mn</td> <td style="width: 16.6%;">Cr</td> <td style="width: 16.6%;">Mo</td> <td style="width: 16.6%;">Co</td> <td style="width: 16.6%;">Si</td> </tr> <tr> <td>0.1</td> <td>0.4</td> <td>15</td> <td>3.1</td> <td>14</td> <td>0.75</td> </tr> </table>	C	Mn	Cr	Mo	Co	Si	0.1	0.4	15	3.1	14	0.75
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ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 25%;">Heat Treatment</td> <td style="width: 12.5%;">R<sub>p0,2</sub> MPa</td> <td style="width: 12.5%;">R<sub>m</sub> MPa</td> <td style="width: 12.5%;">A<sub>5</sub> (%)</td> <td style="width: 12.5%;"></td> <td style="width: 25%;">Hardness Rockwell C</td> </tr> <tr> <td>As Welded /</td> <td></td> <td></td> <td></td> <td></td> <td>Avg. 50</td> </tr> </table>	Heat Treatment	R <sub>p0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)		Hardness Rockwell C	As Welded /					Avg. 50
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REDRYING TEMPERATURE	140°C / 24 hr												
GAS ACCORDING EN 14175	M12, M21, I1, M20												



# CEWELD AA CrCoMo 46

AA CRCOMO 46 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720682051993

AA CRCOMO 46 1,6MM

Type	KG/unit	EANCode
BS-300	15	8720663403957