




CEWELD AA CrCoMo 46

TYPE	High-alloyed tubular wire on a 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. 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“												
CLASSIFICATION	EN ISO 14700: T Fe3												
SUITABLE FOR	Hot rolling parts for continuous casting, hotpress tools, pump parts, sleeves, mandrels, forging hammers, chemical and glass industry.												
APPROVALS	No Approvals Found												
WELDING POSITIONS													
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)													
ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Heat Treatment</th> <th style="width: 10%;">R_{p0,2} MPa</th> <th style="width: 10%;">R_m MPa</th> <th style="width: 10%;">A₅ (%)</th> <th style="width: 10%;"></th> <th style="width: 30%;">Hardness Rockwell C</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">As Welded /</td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">Avg. 47</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)		Hardness Rockwell C	As Welded /					Avg. 47
Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)		Hardness Rockwell C								
As Welded /					Avg. 47								
REDRYING TEMPERATURE	140°C / 24 hr												
GAS ACCORDING EN 14175	M21												