




CEWELD SACW Mo

TYPE	Seamless copper coated wire Type P1					
APPLICATIONS	SA CW Mo is a cored wire for 0.5%Mo steels, i.e. P1. These steels are commonly used at service temperatures up to 500 °C and for some sub-zero structural applications.					
PROPERTIES	The 0.5% alloying improves creep performance compared to CMn steels and sees the alloy being used for boiler, pressure vessel and piping construction. Typical with FL 155 Flux or FL 160					
CLASSIFICATION	AWS	A 5.23: F8A4-ECA1				
	EN ISO	24598-A: S T Mo FB				
	F-nr	6				
	FM	4				
SUITABLE FOR	S355J0, E335, P285NH, P310GH, S355J0Cu, 16Mo3, P315N - S420N, P315NH - P420NH fine grain structural steels up to S460N/P460N, large-diameter pipes up to L485MB					
APPROVALS	No Approvals Found					
WELDING POSITIONS						
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	P	S	Mo
	0.1	0.2	0.09	0.02	0.02	0.5
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V	
	675°C- 705°C /1h	490	570	24	-20°C 120	-40°C 80
REDRYING TEMPERATURE	Not required					
GAS ACCORDING EN 14175						