



CEWELD SA 80S-B8

TYPE	Medium alloyed, high-strength 9% Cromium alloy SAW wire.							
APPLICATIONS	Low alloyed copper-coated SAW wire with 9% Cr and 1% Mo to be used for welding creep resistant steel. It finds applications in power plants, chemical or petrol-chemical industry and in the ammonia synthesis process. It is also used for heat exchangers, boilers, piping and pressure vessels for temperature service up to ~600°C.							
PROPERTIES	The 9%Cr-1%Mo creep resistant alloy is used for service up to ~600°C particularly in environments involving hot hydrogen gas. Flux CEWELD® FL 880							
CLASSIFICATION	AWS	A 5.23: EB8						
	EN ISO	24598-A: S CrMo9						
	F-nr	6						
	FM	4						
SUITABLE FOR	ASTM: A 182 Gr F9, A 199 Gr T9, A 213 Gr T9, A 217 Gr C12, A 234 Gr WP9, A 335 Gr 9, A 336 Gr F9, A 387 Gr 9, EN (BS 3100 Gr B6), (BS 3604 Gr CFS 629-470, HFS 629-470), (BS 3604 Gr HFS 629-590, CFS 629-590), (DIN GS-12CrCrMo 10-1), (DIN X12CrMo 9-1), (DIN X7CrMo 9-1) W.Nr: 1.7386, 1.7388, 1.7389							
APPROVALS	CE							
WELDING POSITIONS	  							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo
	0.08	0.4	0.6	0.01	0.01	8.7	0.18	1
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness	
					RT			
	730°C- 760°C 1h	540	660	19	55		HRc	
REDRYING	Not required							
GAS ACC. EN ISO 14175								



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Packaging	KG/unit	EanCode
B-450	25	8720663416995