



CEWELD AA 90S-B9

ТҮРЕ	Metal core wire for heat and creep resistant applications.(Typ CrMo 91)								
APPLICATIONS	CEWELD AA 90S-B9 is for welding 9-12% Cr Steel like P91/T91. Headers, main steam piping and turbine casings, in fossil fuelled power generating plants. Oil refineries and coal liquefaction and gasification plants.								
PROPERTIES	AA 90S-B9 is designed to weld equivalent 'type 91' P91 9CrMo steels modified with small additions of niobium, vanadium and nitrogen to give improved long term creep properties. These consumables are specifically intended for high integrity structural service at elevated temperature so the minor alloy additions responsible for its creep strength are kept above the minimum considered necessary to ensure satisfactory performance. In this case, weldments will be weakest in the softened (intercritical) HAZ region of parent material, as indicated by so-called 'type IV' failure in transverse weld creep tests.								
CLASSIFICATION	AWSA 5.28: ~ER 90S-B9EN ISO17634-B: 9C1MVF-nr6FM4								
SUITABLE FOR	1.4903 X10CrMoVNb9-1, GX12CrMoVNbN9-1 ASTM A 335 Gr. P91, A 336 Gr. F91, A 369 Gr. FP91, A 387 Gr. 91, A 213 Gr. T91, A 182 AFNOR NF A-49213/A-49219 Gr TU Z 10, CDVNb 09-01								
APPROVALS	CE								
WELDING POSITIONS									
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	С	Si		Mn		Cr	Ni	Мо	V
	0.1	0.3		1		9	0.3	1	0.2
MECHANICAL PROPERTIES	Heat Treatment		R _{P0,2} Rm (MPa) (MPa)		A5 (%)				Hardness
	760°C±15°C 2h		650	780	17		27		260 HB
REDRYING	Not required								
GAS ACC. EN ISO 14175	M21								





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AA 90S-B9 1,2MM	Packaging	KG/unit	EanCode			
	BS-300	15	8720663401984			