






CEWELD Alloy 33

TYPE	High-chromium austenitic alloy								
APPLICATIONS	Typical applications of Alloy 33 include heat exchangers, condenser tubes and other equipment for the Refinery Industry and the Chemical Process Industry as well as light weight structures in the Offshore Industry. Especially the multi-purpose character of Alloy 33 with respect to its corrosion resistance as well to acidic and alkaline media as to chloride bearing cooling waters opens a wide variety of applications								
PROPERTIES	CEWELD Alloy 33 is a high-chromium austenitic Alloy. This alloy combines ease of fabrication with outstanding resistance to highly oxidizing media								
CLASSIFICATION	AWS	A 5.9: ER33-31							
	EN ISO	14343-B: S Z 33 32 1 Cu N L							
	F-nr	6							
	FM	6							
	W.Nr.	1.4591							
SUITABLE FOR	1.4591, 1.4583 X 1CrNiMoCuN 33 32, X 1CrNiMoCuN 33 32 1, X 2 CrNiMo 18 10 Alloy 33, 1.4591								
APPROVALS	No Approvals Found								
WELDING POSITIONS	<div> PA</div> <div> PB</div> <div> PC</div> <div> PD</div> <div> PE</div>								
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	N	Cu	Fe
	0.01	0.3	1.5	33	32	1.5	0.5	1	Rem.
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	RT	Impact Energy (J) ISO-V -196°C			
	As Welded /	450	920	42	100	32			
REDRYING TEMPERATURE	Not required								
GAS ACCORDING EN 14175	I1								



CEWELD Alloy 33

ALLOY 33 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663419767