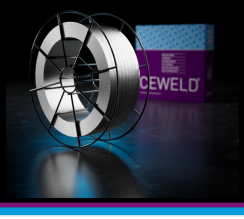


CEWELD Alloy 33

certilas® THE FILLER METAL SPECIALIST

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

PROPRIÉTÉS

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
W.Nr.	1.4591
F-nr	6
FM	6

CONVIENT POUR

1.4591, 1.4583
X 1CrNiMoCuN 33 32, X 1CrNiMoCuN 33 32 1, X 2 CrNiMo 18 10
Alloy 33, 1.4591

AGRÉMENTS

POSITIONS DE SOUDAGE

ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)

C	Si	Mn	Cr	Ni	Mo	N	Cu	Fe
0.01	0.3	1.5	33	32	1.5	0.5	1	Rem.

PROPRIÉTÉS MÉCANIQUES

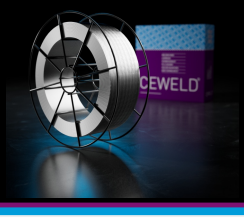
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-196°C	
As Welded	450	920	42	100	32	HRc

ETUVAGE

Not required

GAS ACC. EN ISO 14175

I1



CEWELD Alloy 33

ALLOY 33 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663419767