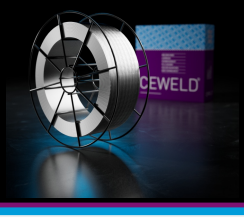


CEWELD Alloy 33

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

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

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

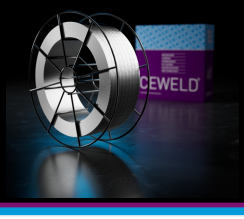
Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)	Impact Energy (J) ISO-V RT	Impact Energy (J) ISO-V -196°C
As Welded /	450	920	42	100	32

REDRYING TEMPERATURE

Not required

GAS ACCORDING EN 14175

I1



CEWELD Alloy 33

ALLOY 33 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663419767