## CEWELD® Alloy 33



CATEGORY	GMAW Solid wires							
ТҮРЕ	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	Alloy 33, 1.4591							
APPROVALS	No Approvals Found							
WELDING POSITIONS:	PA PB PC TPE							

## TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

С	Si	Mn	Cr	Ni	Мо	N	Cu	
0.01	0.3	1.5	33	32	1.5	0.5	1	

## ALL WELD MECHANICAL PROPERTIES

Heat	$R_{P0,2}$	Rm	A5	
Treatment	MPa	MPa	(%)	
As Welded /	720	920	40	

## WELDING PARAMETERS / PACKING

WELDING PARAMETERS	WELDING PARAMETERS	WELDING PARAMETERS	PACKING	PACKING	PACKING
D (MM)	VOLTAGE (V)	CURRENT (A)	SPOOL TYPE	KG / SPOOL	KG / PALLET
1,2	28-32	180-220	S-300	15	1080
REDRYING TEMPERATURE	Not required				
	'				
GAS ACCORDING EN 14175	l1				