CEWELD[®]

2209 Duplex Tig

CATEGORY	GMAW-GTAW Solid wires					
ТҮРЕ	Solid drawn filler metal for welding Duplex stainless steels.					
APPLICATIONS	Used for pipe work and general fabrication in the offshore oil and gas and chemical process industries. Also suitable for cladding steels to obtain corrosion resistant layers.					
PROPERTIES	A continuous, solid, corrosion-resistant, duplex wire for welding austenitic-ferritic stainless alloys of the 22% Cr, 5% Ni, 3% Mo types. 2209 has high general corrosion resistance. In media containing chloride and hydrogen sulphide, the alloy has a high resistance to intergranular corrosion, pitting and especially to stress corrosion. The alloy is used in a variety of applications across all industrial segments.					
CLASSIFICATION	AWS A 5.9: ER 2209 EN ISO 14343-A: W 22 9 3 N L DIN: W.Nr. 1.4462 DIN 8556: SG X2CrNiMo 22 9 3					
SUITABLE FOR	Welding wrought, forged or cast duplex stainless steels in the as welded condition. Also suitable for dissimilar welding of low alloyed steels and common stainless steels, UNS S31803, S32205, UR 45N & UR 45N+, 2205, SAF 2205 Fafer 4462, NKCr22, SM22Cr, Falc 223 UNS S32304 : UR 35 N SAF 2304 W.Nr: 1.4462, X2CrNiMoN 22 5 3, 1.4362, X2CrNiN 23 4, 1.4463, 1.4460, 1.4583					
APPROVALS	TUV (12396.00), CE approved.					
Welding Positions:						

TYPICAL ALL WELD METAL ANALYSIS

С	Mn	Si	Cr	Ni	Мо	Ν
0,025	1,60	0,5	23.0	9.0	3.0	0,14

MECHANICAL PROPERTIES

Heat treatment	RP0,2	Rm	A5	Impact energy (J) ISO-V			Hardness
	(N/mm2)	(N/mm2)	(%)	+20C	-40°C	-60C	HRc / HV
AW	>570	>740	27	>100		>37	

AW: as welded

WELDING PARAMETERS / PACKING

V	Packing (kg)		
D (mm)	Current (A) DC-	single	master
1,6 × 1000	50-80	5	25
2.0 x 1000	70-110	5	25
2.4 x 1000	110-180	5	25

REDRYING TEMPERATURE not required

GAS ACC. EN ISO 14175: I1, N2 (Ar+1-2%N2)