



CEWELD AA 2209M

TYPE Metal cored wire for welding duplex stainless steels. (Type 2209, 22 9 3, 1.4462)

APPLICATIONS Duplex stainless steels in chemical industry such as offshore, tubing, vessel, boilers etc..

PROPERTIES Smooth drop transfer and more stable arc compare to solid wires. High productivity and weldability, better wetting properties compared to solid wires. Ductile weld metal quality and X-ray soundness and ferrite level between 30 and 50 (FN). Excellent for use in down hand welding. Excellent against pitting and stress corrosion. The PREN above 35 weldmetal offers outstanding resistance against pitting.

CLASSIFICATION

AWS	A 5.22: EC2209
EN ISO	17633-A: T 22 9 3 N L M M21 1
W.Nr.	1.4462
F-nr	6
FM	5

SUITABLE FOR

ISO 15608: 10.1-10.2 Austenitic > 24 % Cr ≤ 4% Ni, DUPLEX 2209, 22%Cr 9%Ni 3%Mo
 1.4417, 1.4462, 1.4362, 1.4162, 1.4463, 1.4460, 1.4583
 X 2 CrNiMoSi 19 5, X 2 CrNiN 23 4, X 2 CrNiMoN 22 5 3, X10CrNiMoNb18-12
 316LN, 318LN
 UNS S31803, S32205, S32304
 SAF 2205 Fafer 4462, NKCr22, SM22Cr, Falc 223 UR 45N & UR 45N+, 2101, 2205, UR 35 N SAF 2304
 mix 1.4462 X2CrNiMoN22-5-3 mit P235GH/ P265GH, S255N, P295GH, S355N, 16Mo3

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	P	Cr	Ni	Mo	N	S
0.03	0.6	1.4	0.02	23	8.5	3	1.4	0.015

MECHANICAL PROPERTIES

Heat Treatment	R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V	Hardness
				-60°C	
As Welded	500	750	26	35	HRc

REDRYING 140°C / 24 hr

GAS ACC. EN ISO 14175 M21



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AA 2209M 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663414779