



CEWELD ER 110 S-1

TYPE	Solid wire for GMAW welding high tensile fine grain steels.										
APPLICATIONS	CEWELD® ER 110 S-1 is extreme crack resistant with high mechanical properties and excellent welding characteristics. High impact strength at sub zero temperatures down to -60 °C.										
PROPERTIES	CEWELD® ER 110 S-1 is a solid welding wire with excellent welding properties under mixed gas M21 suitable for high strength fine grain steels in combination with excellent impact toughness at sub zero temperatures.										
CLASSIFICATION	AWS	A 5.28: ER 110S-1									
	EN ISO	16834-A: G 69 5 M Mn3Ni1,5Mo									
	F-nr	6									
	FM	2									
SUITABLE FOR	Reh < 690 MPa Iso 15608: 3.2 (460 < Reh ≤ 690 MPa) 1.8914, 1.8927, 1.8931, 1.8928, 1.7147, 1.7149, 1.8734 S620Q, S620QL, S690Q, S690QL, S620QL1-S690QL1, 20MnCr65, 28CrMn4-3 L480 - L550, X65, X80, X90, X100 ASTM A 514 Gr. F, H, Q; A 709 Gr. 100 Type B, E, F, H, Q; A 709 Gr. HPS 100W Weldox 700, Dillimax 690, Hardox, Naxtra 63, Naxtra 70, Optim 700 mc plus, Weldox 500, Hardox, Domex 460 MC, Domex 500 MC, Domex 550 MC, Domex 600 MC, Domex 650 MC, Domex 700 MC, Hardox 400, XAR 400, Dillidur 400, Oceanfit 100, Oceanfit 690, alform plate 620 M, 700 M, aldur 620 Q, 620 QL, 620 QL1, aldur 700 Q, 700 QL, 700 QL1										
APPROVALS	CE										
WELDING POSITIONS	 PA  PB  PC  PD  PE  PF										
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Other
	0.07	0.65	1.65	0.009	0.005	0.24	1.9	0.35	0.01	0.005	0.15
MECHANICAL PROPERTIES	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V					Hardness	
	As Welded	690	800	18	-50°C					55	
										HRc	
REDRYING	Not required										
GAS ACC. EN ISO 14175	M21										



CEWELD ER 110 S-1

ER 110 S-1 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417206

ER 110 S-1 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417220