



CEWELD ER 110 S-1 Tig

TYPE	Tig-rod for high tensile fine grain steels.							
APPLICATIONS	CEWELD® ER 110 S-1 Tig 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 Tig is a Tig-rod with excellent welding properties under gas I1 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: W 79 4 I1 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								
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo
	0.08	0.5	1.6	0.01	0.01	0.3	1.4	0.3
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Impact Energy (J) ISO-V			Hardness
					-50°C			
	As Welded	810	920	18	65			HRc
REDRYING	Not required							
GAS ACC. EN ISO 14175	I1							



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ER 110 S-1 TIG 2,4 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663417251