



CEWELD ER 110 S-1 Tig

TYPE Solid filler metal for GTAW welding high tensile fine grain steels.

APPLICATIONS Crane building, heavy constructions, lifting, offshore platforms, transport etc.

PROPRIÉTÉS Solid filler metal with excellent flowing properties under pure Argon 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

CONVIENT POUR

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

AGRÉMENTS CE

POSITIONS DE SOUDAGE



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

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
				-50°C		
As Welded	810	920	18	65		HRC

ETUVAGE Not required

GAS ACC. EN ISO 14175 I1



CEWELD ER 110 S-1 Tig

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

Packaging	KG/unit	EanCode
Tube	5	8720663417251