CEWELD ER 110 Ti

certilas® THE FILLER METAL SPECIALIST

TYPE	Solid welding wire with high yield strength for fine grain steels.
APPLICATIONS	Crane building, jack ups, lifting, rigs, piping, platforms etc.
PROPERTIES	Extreme crack resistant alloy with high mechanical properties and excellent welding characteristics. High impact strength at sub zero temperatures down to -60 °C. Weldable with Co2 and Mixed gas.

CLASSIFICATION

AWS	A 5.28: ER 110S-G
EN ISO	16834-A: G 69 6 M21 Mn4Ni1,5CrMo
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: TÜV CE Lloyds DNV

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo	Ti
0.09	0.6	1.65	0.01	0.01	0.25	1.4	0.45	0.07

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)	Impact Energy (J) ISO-V -40°C	-60°C
As Welded /	710	790	18	70	55

REDRYING TEMPERATURE: Not required

GAS ACCORDING EN 14175: M21

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ER 110 TI 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663417213

ER 110 TI 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663417282