



CEWELD ER 100 S-G(L)

TYPE Solid welding wire for welding high strenght fine grain steels.

APPLICATIONS Crane building, pulling equipment, heavy construction, pipe welding, drilling equipment etc.

PROPERTIES Extreme crack resistant alloy with very good deformability properties and excellent welding characteristics. Weldable under CO2 and Mixed gas.

CLASSIFICATION

AWS	A 5.28: ER 100S-G
EN ISO	16834-A: G 62 5 M21 Mn3NiCrMo
F-nr	6
FM	2

SUITABLE FOR

Reh ≤ 620 MPa ISO 15608: ~3.1, 2.2
 1.8864, 1.8873, 1.8881, 1.8928, 1.8977, 1.8924, 1.8909, 1.8984, 1.8826, 1.8904, 1.8986
 S500Q-S620Q, S500QL-S620QL, L485MB-L555MB, L485QB-L555QB, 620 M, PAS 460-550
 ASTM A 572 Gr. 65; A 633 Gr. E; A 738 Gr. A; A 852;
 API 5 L X70, X80, X70Q, X80Q
 alform 500 M, 550 M, 600 M, aldur 550 Q, Dillimax 550, Dillimax 500, Domex 500, Domex 550

APPROVALS CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	V
0.08	0.7	1.6	0.6	0.6	0.3	0.03

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
				-40°C	-50°C	
As Welded	650	760	20	80	70	HRc

REDRYING Not required

GAS ACC. EN ISO 14175 M21



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ER 100 S-G(L) 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417169