



# 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 <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	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



# CEWELD ER 100 S-G(L)

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

Packaging	KG/unit	EanCode
BS-300	15	8720663417169