

CEWELD ER 120 S-1

TYPE Extreme high tensile strength alloy with excellent impact properties for fine grain steels exceeding 890 N/mm² yield strength.

APPLICATIONS Welding materials such as S960QL – S1100Q and other similar fine grain cold tough steels. Offshore, crane building etc.

PROPRIÉTÉS Extreme high tensile strength alloy with very good mechanical properties and perfect welding characteristics. High impact strength at very low temperatures with exceptional plasticity of the weld deposit. Weldable with Co₂ and Mix gas.

CLASSIFICATION

AWS	A 5.28: ER 120S-1
F-nr	6
FM	2

CONVIENT POUR **Reh ≤ 730 MPa ISO 15608: ~3.1, 3.2 (Reh > 690 MPa)**
 1.8796, 1.8925, 1.8940, 1.8983, 1.8797, 1.8933, 1.8934, 1.8941, 1.8997
 S690Q-S890Q, S690QL-S890QL, S690QLN-S890QLN
 ASTM A 709 Gr. 100 Type B, E, F, H, Q, HPS 100W
 N-A-XTRA M 620-700, PAS 700, alform 700 M, alform 900 x-treme, Strenx 700-890, DILLIMAX 700-890

AGRÉMENTS CE

POSITIONS DE SOUDAGE

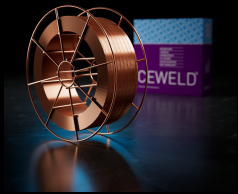


ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)	C	Si	Mn	P	S	Cr	Ni	Mo
	0.09	0.6	1.8	0.01	0.01	0.4	2.5	0.5

PROPRIÉTÉS MÉCANIQUES	Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V	Hardness
					-50°C	
	As Welded	800	880	19	90	HRc

ETUVAGE Not required

GAS ACC. EN ISO 14175 M21, M13, M20



CEWELD ER 120 S-1

ER 120 S-1 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417299

ER 120 S-1 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417305

ER 120 S-1 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417312

ER 120 S-1 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417329