



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.							
TOEPASSINGEN	Welding materials such as S960QL – S1100Q and other similar fine grain cold tough steels. Offshore, crane building etc.							
EIGENSCHAPPEN	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.							
CLASSIFICATIE	AWS	A 5.28: ER 120S-G						
	EN ISO	16834-A: G 89 5 M21 Mn4Ni2,5CrMo						
	F-nr	6						
	FM	2						
GESCHIKT VOOR	Reh ≤ 960 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, S960Q, S960QL, S720MC ASTM A 709 Gr. 100 Type B, E, F, H, Q, HPS 100W N-A-XTRA M 700, PAS 700, alform 700 M, alform 900 x-treme, alform® 960 x-treme, Strenx 700-960, DILLIMAX 700-960							
GOEDKEURINGEN	CE							
LASPOSITIES	      							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo
	0.11	0.6	1.8	0.01	0.01	0.4	2.4	0.4
MECHANISCHE WAARDEN	Heat Treatment	R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness	
					-50°C			
	As Welded	960	1050	17	52		HRc	
HERDROGEN	Not required							
GAS ACC. EN ISO 14175	M21							



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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