



CEWELD ER 120 S-1 Tig

TYPE	Extreme high tensile strength alloy with excellent impact properties for fine grain steels exceeding 890 MPa yield strength.					
APPLICATIONS	Welding materials such as S960QL – S1100Q and other similar fine grain cold tough steels. Offshore, crane building etc.					
PROPERTIES	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-G				
	EN ISO	16834-A: W 89 5 I1 Mn4Ni2CrMo				
	F-nr	6				
	FM	2				
SUITABLE FOR	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					
APPROVALS	CE					
WELDING POSITIONS	      					
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo
	0.08	0.6	1.8	0.3	2.25	0.55
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V -60°C	
	As Welded /	980	1090	18	50	
REDRYING TEMPERATURE	Not required					
GAS ACCORDING EN 14175	I1					



CEWELD ER 120 S-1 Tig

ER 120 S-1 TIG 1,6 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663417237

ER 120 S-1 TIG 2,0 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663417244

ER 120 S-1 TIG 2,4 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663417268

ER 120 S-1 TIG 3,2 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663417275