



CEWELD ER 120 S-1 Tig

TYPE	Extremely high-strength Tig-rod with excellent notched impact strength properties for fine-grain steels with a yield strength up to (890) 960 MPa. (ER 120 S-1)					
APPLICATIONS	CEWELD ER 120-S1 Tig is designed for welding S890QL - S960Q and other similar fine-grained cold-working steels. Offshore, crane construction etc.					
PROPERTIES	CEWELD ER 120-S1 Tig have a 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.					
CLASSIFICATION	AWS	A 5.28: ER 120S-1				
	EN ISO	16834-A: W 89 5 I1 Mn4Ni2CrMo				
	F-nr	6				
	FM	2				
SUITABLE FOR	Reh ≤ (890) 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 620-700, 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
MECHANICAL PROPERTIES	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V -60°C	Hardness
	As Welded	980	1090	18	50	HRc
REDRYING	Not required					
GAS ACC. EN ISO 14175	I1					



CEWELD ER 120 S-1 Tig

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

Packaging	KG/unit	EanCode
Tube	5	8720663417237

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

Packaging	KG/unit	EanCode
Tube	5	8720663417244

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

Packaging	KG/unit	EanCode
Tube	5	8720663417268

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

Packaging	KG/unit	EanCode
Tube	5	8720663417275