CEWELD ER 120 S-G

certilas® THE FILLER METAL SPECIALIST

TYPE

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

ANWENDUNGEN

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

EIGENSCHAFTEN

Extreme crack resistant alloy with high mechanical properties and excellent welding characteristics. High Impact strength at sub zero temperatures down to -60 °C. Applications include structural, oil and gas and offshore steelwork.

KLASSIFIKATION

AWS	A 5.28: ER 120S-G
EN ISO	16834-A: G 89 4 M21 Mn4Ni2,5CrMo
F-nr	6
FM	2

GEEIGNET FÜR

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

ZULASSUNGEN

CE

SCHWEISSPOSITIONEN

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.1	0.6	1.8	0.01	0.01	0.3	2.2	0.6

MECHANISCHE GÜTEWERTE

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V -40°C	Hardness
As Welded	900	960	15	100	HRc

RÜCKTROCKNUNG

Not required

GAS ACC. EN ISO 14175

M21

CEWELD ER 120 S-G

ER 120 S-G 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417190