



CEWELD ER 100 S-G(L)

TYPE	Solid welding wire for welding high strenght fine grain steels. (Mn3Ni1CrMo, ER 100S)						
APPLICATIONS	CEWELD® ER 100 S-G(L) is a 0.9% Ni-alloyed, low C, copper-coated, solid wire for the GMAW/GTAW of low-temperature, fine-grained steels suitable for NACE requirements. The Application is: Offshore drilling equipment, crane building, pipeline, platforms, Vessel, riser piping etc.						
PROPERTIES	CEWELD® ER 100 S-G(L) is extreme crack resistant alloy with very good deformability properties and excellent welding characteristics. Weldable under CO2 and Mixed gas.						
CLASSIFICATION	AWS	A 5.28: ER 100S-G					
	EN ISO	16834-A: G 62 5 M21 Mn3NiCrMo					
	F-nr	6					
	FM	2					
SUITABLE FOR	ReH ≤ 620 MPa ISO 15608: 1.3 (ReH > 360 MPa < 620 MPa), 2.2 ReH > 460 MPa 1.0531,1.0984, 1.0986, 1.8900, 1.8901, 1.8902, 1.8903, 1.8904, 1.8905, 1.8907, 1.8910, 1.8912, 1.8915, 1.8917, 1.8926, 1.8930, 1.8932, 1.8935, 1.8937, 1.8986, 1.8970, 1.8971, 1.8972, 1.8973, 1.8975 TStE 550 WStE 380, WStE 420, WStE 460, WStE 500, WstE 550, StE 385.7, StE 385.7 TM, StE 415, L485ME ASTM A 203 Gr. D, E; A 350 Gr. LF1, LF2, LF3; A 420 Gr. WPL3, WPL6; A 516 Gr. 60, 65, 70; A 572 Gr. 42, 50, 55, 60, 65; A 633 Gr. A, D, E; A 662 Gr. A, B, C; A 707 Gr. L1, L2, L3; A 738 Gr. A; A 841 A, B, C; API 5 L X52, X60, X65, X52Q, X60Q, X65Q Oceanfit 52, Oceanfit 60, Oceanfit 65, Oceanfit 355, Oceanfit 420, Oceanfit 460, PAS 460-550, alform® 500 M, 550 M, aldur 500 Q, 500 QL, aldur 550 Q, 550 QL						
APPROVALS	CE						
WELDING POSITIONS	 PA  PB  PC  PD  PE  PF						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	V
	0.08	0.7	1.6	0.6	0.6	0.3	0.03
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
					-40°C	-50°C	
	As Welded	650	760	20	80	70	HRc
REDRYING	Not required						
GAS ACC. EN ISO 14175	M21						



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ER 100 S-G(L) 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417169