



CEWELD SG NiMo1

TYPE	Solid welding wire for fine grain steels and cold-tough steels.(SG Z Ni1, 80S-Ni1)						
APPLICATIONS	CEWELD® SG NiMo1 is a 0.9% Ni-alloyed (ER80S-Ni1), copper-coated, solid wire for the GMAW/GTAW of low-temperature, fine-grained steels. Offshore drilling equipment, crane building, pipeline, platforms, Vessel etc.						
PROPERTIES	CEWELD® SG NiMo1 deposit provides good impact toughness down to -50°C and yield strenght above 500 MPa with less than 1% Ni.						
CLASSIFICATION	AWS	A 5.28: ER 80S-Ni1					
	EN ISO	14341-A: G 50 5 M21 Z 3Ni1					
	F-nr	6					
	FM	1					
SUITABLE FOR	ReH ≤ 500 MPa ISO 15608: 1.2 (275 < ReH < 360 MPa), 1.3 (ReH > 360 MPa < 500 MPa) 1.8900, 1.8901, 1.8902, 1.8903, 1.8905, 1.8907, 1.8910, 1.8912, 1.8915, 1.8917, 1.8930, 1.8932, 1.8935, 1.8937, 1.8970, 1.8971, 1.8972, 1.8973, 1.8975 S460N, S420N, S460NL, P460N, StE 420, StE 460, StE 500, TStE 380, S420NL, P460NL1, P420NH, P460NH, TStE 420, TStE 460, TStE 500, WStE 380, WStE 420, WStE 460, WStE 500, StE 385.7, StE 385.7 TM, StE 415, L485ME, 11MnNi5-3, 13MnNi6-3 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						
APPROVALS	CE						
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Ni	Mo
	0.1	0.5	1.2	0.015	0.015	0.95	0.18
MECHANICAL PROPERTIES	Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
					RT	-50°C	
	As Welded	500	620	25	150	100	HRc
REDRYING	Not required						
GAS ACC. EN ISO 14175	M21						



CEWELD SG NiMo1

SG NIM01 0,8MM

Packaging	KG/unit	EanCode
D-200	5	8720663405654

SG NIM01 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663416759

SG NIM01 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663416780