



CEWELD SG NiMo1

TYPE	Solid welding wire for fine grain steels and cold-tough steels.						
APPLICATIONS	Offshore drilling equipment, crane building, pipeline, platforms, Vessel etc.						
PROPRIÉTÉS	SG NiMo1 is a 0.9% Ni-alloyed (ER80S-Ni1), copper-coated, solid wire for the GMAW/GTAW of low-temperature, fine-grained steels. The deposit provides good impact toughness down to -50°C and is especially suitable for use in the offshore industry.						
CLASSIFICATION	AWS	A 5.28: ER 80S-Ni1					
	EN ISO	14341-A: G 50 5 M21 Z 3Ni1					
	F-nr	6					
	FM	1					
CONVIENT POUR	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, TSStE 380, S420NL, P460NL1, P420NH, P460NH, TSStE 420, TSStE 460, TSStE 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						
AGRÉMENTS	CE						
POSITIONS DE SOUDAGE							
ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)	C	Si	Mn	P	S	Ni	Mo
	0.1	0.5	1.2	0.015	0.015	0.95	0.18
PROPRIÉTÉS MÉCANIQUES	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
ETUVAGE	Not required						
GAS ACC. EN ISO 14175	M21						



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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