



CEWELD SG CrMo1

TYPE	Copper coated welding wire for welding creep and hydrogen-resistant steels.(Type CrMo1, B2)						
APPLICATIONS	CEWELD® SG CRMo1 is suitable for boiler and pipe construction steels with 1.25% Cr and 0.5% Mo as well as for welding heat-treatable and case-hardening steels. The main areas of application are: High pressure boiler steels, offshore, repair, construction, pipelines, tubing etc.						
PROPERTIES	CEWELD® SG CRMo1 is Extreme easy to weld with excellent welding properties. Suitable to offer creep resistance for working temperatures up to 550 °C. The wire has low levels of tramp elements (eg. Sn, As, Sb and P) providing a low Bruscato Factor (X< 10 ppm) for temper embrittlement resistant application						
CLASSIFICATION	AWS	A 5.28: ER 80S-G					
	EN ISO	21952-A: G CrMo1Si					
	W.Nr.	1.7339					
	F-nr	6					
	FM	3					
SUITABLE FOR	Typ 1Cr0,5Mo, ISO 15608: ~5,1 1.7205, 1.7218, 1.7225, 1.7228, 1.7254, 1.7258, 1.7262, 1.7335, 1.7337, 1.7350, 1.7354, 1.7357, 1.7728 13CrMoV42, 13CrMo4-4, 13CrMo4-5, 15CrMo3, 15CrMo5, 13CrMoV42, 15Cr3, 16MnCr5, 20MnCr5, 15CrMo5, 24CrMo5, 25CrMo4, GS-22CrMo5, GS-22CrMo54, GS 17CrMo5-5, 16CrMoV4, 42CrMo4, 42CrMo4V, 41CrMo4V, ASTM A 182 Gr. F11 / F12; A 193 Gr. B7; A 213 Gr. T12; A 217 Gr. WC6; A 234 Gr. WP11; A335 Gr. P11, P12; A 336 Gr. F11, F12; A 426 Gr. CP12 ; A 199; A200; A 387 Gr A11 / 12						
APPROVALS	CE						
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Mo
	0.09	0.6	0.99	0.006	0.011	1.18	0.49
MECHANICAL PROPERTIES	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
					RT	-20°C	
	620°C±15°C 1h	400	560	22	90	55	HRc
REDRYING	Not required						
GAS ACC. EN ISO 14175	M21						



CEWELD SG CrMo1

SG CRM01 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405821
D-100	1	8720663405852
D-200	5	8720663405838
D-200	3	8720663405845

SG CRM01 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405869

SG CRM01 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405876
Drum	250	8720663405890

SG CRM01 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405883

SG CRM01 4,0MM

Packaging	KG/unit	EanCode
Drum	250	8720663405937