



CEWELD SG CrMo2

TYPE	GMAW wire for welding creep and hydrogen –resistant P21 and P22 steels.(CrMo2, B3)					
APPLICATIONS	CEWELD® SG CrMo2 exhibits a bainitic microstructure in the tempered and tempered condition. It is used for processing high-temperature steels in High pressure boiler steels, offshore, repair, construction, pipelines, tubing etc.					
PROPERTIES	CEWELD® SG CrMo2 is an extremely easy-to-weld wire with excellent welding properties. It typically contains 2.25 % chromium and 1.0 % molybdenum. Weldable with Co2 and mixed gas. Suitable for heat-resistant applications at working temperatures up to 600 °C..					
CLASSIFICATION	AWS	A 5.28: ER 90S-G, A 5.28: ~ER 90S-B3				
	EN ISO	21952-A: G CrMo2Si				
	W.Nr.	1.7384				
	F-nr	6				
	FM	3				
SUITABLE FOR	2,25% Cr, 1% Mo ISO 15608: ~5,2 (1,5 % < Cr < 3,5 % und 0,7% 1.7015, 1.7131, 1.7147, 1.7276, 1.7281,1.7380, 1.7337, 1.7262, 1.7258, 1.7350, 1.7357, 1.7375, 1.7379, 1.7380, 1.7383, 1.7385, 1.7707, 1.8075 10CrMo9-10, 10CrMo11, 12CrMo9-10, 10CrSiMoV7, 12CrSiMo8, 30CrMoV9, GS-18CrMo9.10, 15CrMoV5-10, 16CrMo4-4, 15CrMo5, 24CrMo5, 22CrMo4-4, GS-17CrMo5-5, 15Cr3, 16MnCr5, 20MnCr5, 10CrSiV7, ASTM: A 387 Gr. 22, A217 Grade WC9, A335 Gr. P22, A217 Gr. WC9, A182 F22, A182 T22, A1031 Gr.5015, A1031 Gr.5115, A1031 Gr.4820					
APPROVALS	CE					
WELDING POSITIONS						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Mo	
	0.08	0.6	0.9	2.5	1	
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V	Hardness
	720°C±15°C 2h	420	520	23	RT	HRc
REDRYING	Not required					
GAS ACC. EN ISO 14175	M21					



CEWELD SG CrMo2

SG CRM02 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405913

SG CRM02 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405944
D-100	1	8720663405920

SG CRM02 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405951