



CEWELD SG CrMo5

TYPE	Medium alloyed, high-strength 5% Chromium Alloy.(CrMo5, B6)					
APPLICATIONS	CEWELD® SG-CrMo5 is mainly used in pipeline, apparatus and boiler applications. This alloy is specially intended for high-integrity structural service at elevated temperatures.					
PROPERTIES	CEWELD® SG CrMo5 is designed for welding heat-resistant steels and can sustain working temperatures of up to 650°C.					
CLASSIFICATION	AWS	A 5.28: ER 80S-B6				
	EN ISO	21952-A: G CrMo5Si				
	W.Nr.	1.7373				
	F-nr	6				
	FM	4				
SUITABLE FOR	5%Cr-0.5% Mo ISO 15608: ~5,3 (C<0,35, 3,5 % < Cr ≤ 7,0 % and 0,4 % < Mo ≤ 0,7 %) 1.7259, 1.7273, 1.7276, 1.7281, 1.7362, 1.7363, 1.7365, 1.7366, 1.7375, 1.7379, 1.7380, 1.8075 GX12CrMo5, X12CrMo5, 10CrMo9-10, 12CrMo9-10, 26CrMo7, 24CrMo10, 10CrMo11, 16CrMo9-3, 10CrSiMoV7 ASTM A 182 Gr. F5; A 193 Gr. B5; A 213 Gr. T5; A217 Gr. C5; A 234 Gr. WP5; A 314 Gr. 501; A335 Gr. P5 u. P5c; A 369 Gr. FB 5; A 387 Gr. 5; A 426 Gr. CP5					
APPROVALS	CE					
WELDING POSITIONS	 PA  PB  PC  PD  PE  PF  PG					
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Mo	
	0.08	0.45	0.5	5.7	0.6	
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V	Hardness
	720°C±15°C 2h	480	590	18	RT	
					110	HRc
REDRYING	Not required					
GAS ACC. EN ISO 14175	M21					



CEWELD SG CrMo5

SG CRM05 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720682050040
D-100	1	8720663406026

SG CRM05 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405968
D-100	1	8720663406019

SG CRM05 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663406033

SG CRM05 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663406040