



CEWELD SG CrMo5

TYPE Medium alloyed, high-strength 5% Chromium Alloy.

APPLICATIONS Mainly used in pipeline, apparatus and boiler application. This alloy is specially intended for high integrity structural service at elevated temperature.

PROPERTIES Designed for welding heat resistant steels to sustain working temperatures upto 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 (< 1180 MPa)
 1.7259, 1.7273, 1.7276, 1.7281, 1.7362, 1.7363, 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

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
				RT		
720°C±15°C 2h	480	590	18	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