



# CEWELD SG CrMo5 Tig

**TYPE** Tig filler metal for Medium alloyed, high-strength grade 5 steels.

**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 up to 650°C

**CLASSIFICATION**

AWS	A 5.28: ER 80S-B6
EN ISO	21952-A: W CrMo5Si
W.Nr.	1.7373
F-nr	6
FM	3

**SUITABLE FOR** For matching 5%Cr-0.5%Mo creep resisting ferritic steels  
GX12CrMo5 (1.7362), X12CrMo5 (1.7363), Upto 1180 MPa

ASTM: A182/A336 grade F5, A199/A213 grade T5, A217 grade C5, A234 grade WP5, A335 grade P5, A387 grade 5

**APPROVALS** CE

**WELDING POSITIONS**

**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	Cr	Mo
0.08	0.4	0.6	6	0.6

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded	490	570	18	110		HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD SG CrMo5 Tig

SG CRM05 TIG 1,6 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405975

SG CRM05 TIG 2,0 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405982

SG CRM05 TIG 2,4 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405999

SG CRM05 TIG 3,2 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663406002