CEWELD SG CrMo5 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Tig filler metal for Medium alloyed, high-strength grade 5 steels. (CrMo5, B6)

APPLICATIONS

CEWELD® SG-CrMo5 Tig 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 Tig 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: W 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

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	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V	Hardness
				RT	
As Welded	490	570	18	110	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

I1

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SG CRMO5 TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405975

SG CRMO5 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405982

SG CRMO5 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405999

SG CRMO5 TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663406002