



# CEWELD SG 2 Tig

**TYPE** Copper coated welding wire for welding un and -low alloyed steels upto 420 MPa yield strength.

**APPLICATIONS** Shipbuilding, piping, bridges, repair, construction, car-plate welding etc.

**PROPERTIES** Extreme easy to weld with excellent welding properties and low fume, extreme subzero impact properties due to the TIG process.

**CLASSIFICATION**

AWS	A 5.18: ER 70S-6
EN ISO	636-A: W 46 5 W3Si1
W.Nr.	1.5125
F-nr	6
FM	1

**SUITABLE FOR** **Reh ≤ 420 MPa (67 ksi) ISO 15608: 1.2, 1.3, 2.1**  
 1.5637, 1.6217, 1.6228, 1.0044-1.09821.0035 - 1.0570, 1.0345, 1.0425, 1.0481, 1.0308 - 1.0581, 1.0307 - 1.0582, 1.0440, 1.0472, 1.0475, 1.0416 to 1.0551  
 10Ni14, 12Ni14, 13MnNi6-3, 15NiMn6,  
 S235JR-S355JR, S235JO-S355JO, S420JO, S235J2-S355J2, S275N-S460N, S275M-S420M, P235GH-P355GH, P275NL1-P420NL1, P215NL, P265NL, P355N, P285NH-P460NH, P195TR1-P265TR1, P195TR2-P265TR2, P195GH-P265GH, L245NB-L415NB, L450QB, L245MB-L420MB, GE200-GE240,  
 A, B, D, E, A 32-E 36  
 ASTM A 106 Gr. A, B, C; A 181 Gr. 60, 70; A 283 Gr. A, C; A 285 Gr. A, B, C; A 350 Gr. LF1; A 414 Gr. A, B, C, D, E, F, G; A 501 Gr. B; A 513 Gr. 1018; A 516 Gr. 55, 60, 65, 70; A 573 Gr. 58, 65, 70; A 588 Gr. A, B; A 633 Gr. C, E; A 662 Gr. B; A 711 Gr. 1013; A 841 Gr. A; API 5 L Gr. B, X42, X52, X56, X60, X65  
 Domex 315-460MC,MC Plus, ML

**APPROVALS** TÜV: 19806.00, CE

**WELDING POSITIONS**

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

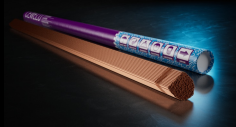
C	Si	Mn
0.08	0.85	1.45

**MECHANICAL PROPERTIES**

Heat Treatment	Rp0,2 (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V			Hardness
				RT	-40°C	-50°C	
As Welded	450	560	24	200	150	60	HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD SG 2 Tig

SG 2 TIG 0,8 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411235
SG 2 TIG 1,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411242
SG 2 TIG 1,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411259
SG 2 TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411266
SG 2 TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411280
SG 2 TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411297
SG 2 TIG 3,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411303
SG 2 TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411310
SG 2 TIG 4,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411327
SG 2 TIG 5,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663411334