



# CEWELD SG 2

**TYPE** ER 70S-6 welding wire for welding un and -low alloyed steels upto 420 MPa yield strength.

**APPLICATIONS** CEWELD® SG2 is a GMAW wire for joining and surfacing unalloyed and low-alloy structural steels. Typical in Shipbuilding, piping, bridges, repair, construction, car-plate welding etc...

**PROPERTIES** CEWELD® SG2 is extreme easy to weld with excellent welding properties. High world wide excepted quality with controlled cast en helix for semi and or semi-automatic applications. Weldable with Co2 and Mix gas.

**CLASSIFICATION**

AWS	A 5.18: ER 70S-6
EN ISO	14341-A: G 42 3 C1 3Si1
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: 12398.00, CE, DB: 42.206.01

**WELDING POSITIONS**

**TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)**

	C	Si	Mn	P	S
	0.07	0.85	1.45	0.015	0.015

**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
				-40°C	
As Welded	440	560	30	90	HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175** M21, C1



# CEWELD SG 2

## SG 2 0,6MM

Packaging	KG/unit	EanCode
D-100	4x1,0	8720663404893
D-200	5	8720663404916
D-300	15	8720663404923

## SG 2 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405029
BS-300 Uncoppered	15	8720663405043
D-100	4x0,8	8720663404954
D-200	5	8720663404992
D-300	15	8720663405005
Drum	250	8720663405012

## SG 2 0,9MM

Packaging	KG/unit	EanCode
D-200	5	8720663405081
Drum	250	8720663405074

## SG 2 1,0MM

Packaging	KG/unit	EanCode
BS-300	1	8720663405135
BS-300 Uncoppered	15	8720663405173
D-200	5	8720663405142
D-300	15	8720663405180
Drum	250	8720663405197

## SG 2 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405425
BS-300 Uncoppered	15	8720663405487
D-200	5	8720663405456
D-300	15	8720663405463
Drum	250	8720663405494
Drum Uncoppered	250	8720663424778