



# CEWELD SG 2

**TYPE** ER 70S-6 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. 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
EN ISO	14341-A: G 42 4 M21 3Si1
F-nr	6
FM	1

**SUITABLE FOR**

Base metal	DIN	EN	ASTM
Shipbuilding	A, B, D, AH 32 till EH 36	~~~~~	A 131 / A 106
Un alloyed steel	St 33, St 37-2, St 52-3	P235GH, P265GH,	A 515 / A 715
Boiler steels	HI, HII, 17Mn4, 19Mn5	P295GH	A 283 / A 285
-	20Mn5	-	A 414 / A 662
Pipe steels	St 35.8, St 45.8	P235T1/T2 - P355N	A 372 / A 369
-	StE 210.7TM - StE 380.7TM	L210 - L380	A 210 / A 516
Fine grain steels	StE 255 till StE 420	S255 - S420	A 255 / A 333
API steels	X42	X42	A 350 / A 612

**APPROVALS** TÜV (12398.00) CE DB (42.206.01)

**WELDING POSITIONS**



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

C	Si	Mn	P	Cr	Ni	Mo	V	S	Cu	Al	Ti+Zr
0.07	0.87	1.42	0.011	0.038	0.04	0.004	0.003	0.015	0.07	0.002	0.002

**ALL WELD MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Impact Energy (J) ISO-V	
				-40°C	
As Welded /	443	566	30	82	

**REDRYING TEMPERATURE** Not required

**GAS ACCORDING EN 14175** M21, C1



# CEWELD SG 2

## SG 2 0,6MM

Type	KG/unit	EANCode
D-100	0,9	8720663404893
D-100	0,9	8720663404909
D-200	5	8720663404916
D-300	15	8720663404923

## SG 2 0,8MM

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

## SG 2 0,9MM

Type	KG/unit	EANCode
D-200	5	8720663405081
Drum	250	8720663405074

## SG 2 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663405166
BS-300	1	8720663405135
BS-300	15	8720663405173
D-200	5	8720663405142
D-300	15	8720663405180
Drum	250	8720663405197

## SG 2 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663405470
BS-300	15	8720663405425
BS-300	15	8720663405487
D-200	5	8720663405456
D-300	15	8720663405463
Drum	250	8720663405494
	300	8720663405500

## SG 2 1,6MM

Type	KG/unit	EANCode
BS-300	15	8720663405524
Drum	250	8720663405517