



CEWELD SG 2.0

TYPE	ER 70S-6 welding wire for welding un and -low alloyed steels upto 420 MPa yield strength.					
APPLICATIONS	CEWELD® SG 2.0 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 SG 2.0 is extremely easy to weld with, providing a very stable and soft arc. It is copper-coated and has excellent welding properties. Spatter formation is low. It is of a high quality with a controlled cast and helix, making it excellent for semi- and fully automatic welding applications.					
CLASSIFICATION	AWS	A 5.18: ER 70S-6				
	EN ISO	14341-A: G 42 4 M21 3Si1, 14341-A: G 42 3 C1 3Si1				
	W.Nr.	1.5125				
	F-nr	6				
	FM	1				
SUITABLE FOR	Rp< 420 MPa (60ksi) ISO 15608: 1.1(ReH < 275 MPa), 1.2 (275 < ReH < 360 MPa), 1.3 (ReH > 360 MPa < 420 MPa) 1.0035, 1.0038, 1.0039, 1.0044, 1.0112, 1.0116, 1.0130, 1.0145, 1.0253, 1.0254, 1.0255, 1.0258, 1.0259, 1.0319, 1.0345, 1.0345, 1.0345, 1.0348, 1.0352, 1.0418, 1.0420, 1.0425, 1.0425, 1.0425, 1.0451, 1.0452, 1.0453, 1.0457, 1.0459, 1.0460, 1.0461, 1.0486, 1.0490, 1.0491, 1.0619, 1.1100, 1.0409, 1.0421, 1.0426, 1.0429, 1.0430, 1.0436, 1.0473, 1.0481, 1.0482, 1.0484, 1.0505, 1.0545, 1.0546, 1.0562, 1.0566, 1.0570, 1.0578, 1.0581, 1.0582, 1.8902, 1.8912, 1.8932 10Ni14, 12Ni14, 13MnNi6-3, 15NiMn6, S235JR-S355JR, S235JO-S355JO, P195TR1-P265TR1, P195GH-P265GH, L245NB-L360NB, L245MB-L360MB, L415NB, L415MB, WStE 380, WStE 420, S420NL A, B, D, E, A 32-E 36 ASTM A 105, A 106, Gr. A, B; A 283 Gr. A, C; A 285 Gr. A, B, C; A 501, Gr. B; A 573, Gr. 58, 65, 70; A 633, Gr. A, C; A 711 Gr. 1013; API 5 L Gr. B, X42, X52, X60 Domex 315-420MC,MC Plus, ML					
APPROVALS	CE, TÜV: (20180)					
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 _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V	Hardness
	As Welded	450	550	30	-40°C	
					80	HRc
REDRYING	Not required					
GAS ACC. EN ISO 14175	M21, C1					



CEWELD SG 2.0

SG 2.0 0,8MM

Packaging	KG/unit	EanCode
BS-300	16	8720682051245
Drum	250	8720682051252

SG 2.0 1,0MM

Packaging	KG/unit	EanCode
BS-300	16	8720663424655
Drum	250	8720663424662

SG 2.0 1,2MM

Packaging	KG/unit	EanCode
BS-300	16	8720663424679
Drum	250	8720663424686