



CEWELD Ultra Clean III

TYPE	Copper free solid wire for welding steels up to 460MPa Yield strength																			
APPLICATIONS	CEWELD® Ultra Clean III can be used universally in tank, boiler and general steel construction as well as in shipbuilding and pipeline construction...																			
PROPERTIES	CEWELD® Ultra Clean III has one of the lowest fume emissions of any welding wire on the market. As a virtually copper-free wire with a maximum of 0.03% copper, it is very environmentally friendly to manufacture and use. But what really sets it apart is the protection of the welder's health, as exposure to copper during welding is virtually eliminated. Arc stability is improved by a special coating which also reduces friction in the torch by approximately 50% compared to copper coated welding wire. The weld is virtually free of silicates, minimising the need for rework. CEWELD® Ultra Clean III offers excellent impact properties down to -60°C due to the pure weld metal analysis.																			
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.18: ER 70S-6</td> </tr> <tr> <td>EN ISO</td> <td>14341-A: G 46 5 M21 4Si1, 14341-A: G 42 4 C1 4Si1</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>1</td> </tr> </table>	AWS	A 5.18: ER 70S-6	EN ISO	14341-A: G 46 5 M21 4Si1, 14341-A: G 42 4 C1 4Si1	F-nr	6	FM	1											
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F-nr	6																			
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SUITABLE FOR	<p>Reh ≤ 460 MPa (67 ksi) ISO 15608: 1.2, 1.3, 2.1 (Mix gas M2, M3) 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, S450JO, S235J2-S355J2, S275N-S460N, S275M-S460M, P235GH-P355GH, P275NL1-P460NL1, P215NL, P265NL, P355N, P285NH-P460NH, P195TR1-P265TR1, P195TR2-P265TR2, P195GH-P265GH, L245NB-L415NB, L450QB, L245MB-L450MB, 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</p>																			
APPROVALS	CE, TÜV: 20200, DB: 42.206.04																			
WELDING POSITIONS																				
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>Cu</th> </tr> </thead> <tbody> <tr> <td>0.08</td> <td>0.88</td> <td>1.7</td> <td>0.01</td> <td>0.01</td> <td>0.01</td> <td>0.025</td> <td>0.01</td> <td>0.01</td> </tr> </tbody> </table>	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	0.08	0.88	1.7	0.01	0.01	0.01	0.025	0.01	0.01	
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		0°C	-50°C	-60°C																
As Welded	490	620	26	130	90	70	HRC													
REDRYING	NA																			
CURRENT TYPE:	DC+																			
GAS ACC. EN ISO 14175	M20, M21, C1																			



CEWELD Ultra Clean III

ULTRA CLEAN III 1,0MM

Packaging	KG/unit	EanCode
BS-300	16	8720682051337
Drum	250	8720682051375

ULTRA CLEAN III 1,2MM

Packaging	KG/unit	EanCode
BS-300	16	8720682051344
Drum	250	8720682051382
D-200	5	8720682051559