

CEWELD AA M550SR

| ТҮРЕ | Seamless metal cored wire without slag for M21 | | | | | | | |
|-----------------------------------|--|-----|-----|-----|-------|-------------------------|-----|------|
| APPLICATIONS | Crane, steel, vessel and apparatus construction, offshore, lifting, drilling platforms etc. | | | | | | | |
| PROPERTIES | Seamless metal cored wire with remarkable stable arc and no spatters. Excellent for use in automated welding applications such as orbital Mag or robotic welding. This wire offers a unique welding deposit with less than 1% nickel to full fill NACE requirements and cover more procedures up to 500 MPa yield strength steels. CEWELD AA M500 can also be used for constructions that needs post weld heat treatment after welding and still offers mechanical properties confirming 5Y46 class. Due to the seamless production process the hydrogen content is below 3ml/100gr weld metal even after long storage in unconditioned condition. | | | | | | | |
| CLASSIFICATION | | | | | | | | |
| SUITABLE FOR | Reh ≤ 550 MPa ISO 15608: 1.3, ~3.1, ~2.2, 2.1, 1.0580 to 1.0070, 1.8900 to 1.8905, 1.8930 to 1.8935, 1.8910 to 1.8915, 1.6217, 1.6210, 1.0481, 1.0482, 1.0551, 1.0553. S275N-S460N, S275NL-S460NL, S275M-S460M, S275ML-S460ML, P355N, P355NH, P460N, P460NH, P275NL1-P460NL1, P275NL2- P460NL2, L360NB, L415NB, L360MB-L450MB, L360QB- L450QB 20MnMoNi4-5, 15NiCuMoNb5-6-4 ASTM A 203 Gr. D, E; A 350 Gr. LF1, LF2, LF3; A 420 Gr. WPL3, WPL6; A 516 Gr. 60, 65, 70; A 572 Gr. 42, 50, 55, 60, 65; A 633 Gr. A, D, E; A 662 Gr. A, B, C; A 707 Gr. L1, L2, L3; A 738 Gr. A; A 841 A, B, C; API 5 L X52, X60, X65, X52Q, X60Q, X65Q Oceanfit 52, Oceanfit 60, Oceanfit 65, Oceanfit 355, Oceanfit 420, Oceanfit 460, PAS 460-550, alform [®] 500 M, 550 M, aldur 500 Q, 500 QL, aldur 550 Q, 550 QL | | | | | | | |
| APPROVALS | CE | | | | | | | |
| WELDING POSITIONS | PA PB PC PD PE PF PG | | | | | | | |
| TYPICAL CHEMICAL | с | Si | М | n | Р | S | Ni | Мо |
| ANALYSIS OF WELD METAL (%) | 0.05 | 0.5 | 1. | 3 | 0.015 | 0.015 | 0.9 | 0.35 |
| ALL WELD MECHANICAL PROPERTIES | Heat R _{P0,2} | | Rm | A5 | | Impact Energy (J) ISO-V | | |
| | Treatment MP | | MPa | (%) | | -60°C | | |
| | As Welded / | 600 | 740 | 20 | | 60 | | |
| | 580°C±15°C /2h | 580 | 640 | 25 | | 50 | | |
| REDRYING TEMPERATURE | Not required | | | | | | | |

GAS ACCORDING EN 14175 M21