



CEWELD AA M960

TYPE Seamless metal cored wire without slag for M21 with extreme yield strength.

ANWENDUNGEN Crane, steel, lifting, vessel and apparatus construction.

EIGENSCHAFTEN Good arc restriking, suitable for robot applications. Usable in the field short arc and spray arc. Excellent gap bridging for root welding. High-efficiency type for economic production of high-strength fine-grain structural steels up to 1100 MPa Yield Strength. Stable mechanical property values up to heat input of 10 kJ/cm. Due to the seamless production process the hydrogen content is below 3ml/100gr weld metal even after long storage in unconditioned condition.

KLASSIFIKATION

| | |
|--------|---------------------------------------|
| AWS | A 5.28: E110C-K4 H4 |
| EN ISO | 18276-A: T 89 4 ZMn2NiCrMo M M21 1 H5 |
| F-nr | 6 |
| FM | 2 |

GEEIGNET FÜR **Reh ≤ 960 MPa ISO 15608: ~3.1, 3.2 (Reh > 690 MPa)**
 1.8796, 1.8925, 1.8940, 1.8983, 1.8797, 1.8933, 1.8934, 1.8941, 1.8997
 S690Q-S890Q, S690QL-S890QL, S960Q, S960QL, S720MC
 ASTM A 709 Gr. 100 Type B, E, F, H, Q, HPS 100W
 N-A-XTRA M 700, PAS 700, alform 700 M, alform 900 x-treme, alform® 960 x-treme, Strenx 700-960, DILLIMAX 700-960

ZULASSUNGEN CE

SCHWEISSPOSITIONEN



| TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%) | C | Si | Mn | P | S | Cr | Ni | Mo |
|---|------|-----|-----|-------|-------|-----|-----|-----|
| | 0.05 | 0.4 | 1.6 | 0.015 | 0.015 | 0.5 | 2.6 | 0.6 |

| MECHANISCHE GÜTEWERTE | Heat Treatment | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Impact Energy (J) ISO-V | Hardness |
|-----------------------|----------------|-------------------------|----------------------|--------------------|-------------------------|----------|
| | | | | | -40°C | |
| | As Welded | 960 | 1050 | 17 | 55 | HRc |

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175 M21



CEWELD AA M960

AA M960 1,2MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| K-300 | 16 | 8720663423481 |