



# CEWELD SG Mo Tig

**TYPE** Medium alloyed, high-strength 9% Chromium Alloy.

**TOEPASSINGEN** Low Alloyed copper-coated solid wire with 9% Cr and 1% Mo to be used for welding creep resistant steel. It finds applications in power plants, chemical or petro-chemical industry and in the ammonia synthesis process. It is also used for heat exchangers, boilers, piping and pressure vessels for temperature service up to 600 °C.

**EIGENSCHAPPEN** Corrosion resistance is higher than 5Cr-0.5Mo steels requirements. To be used with shielding gas Ar+O<sub>2</sub>.

**CLASSIFICATIE** W.Nr. 6

**GESCHIKT VOOR** **Typ 0,5Mo ≤ 460 MPa, ISO 15608: 1.2, 1.3**  
 1.5415, 1.0481, 1.0482  
**15 Mo3, 16Mo3**, 20MnMoNi4-5, 15NiCuMoNb5, S235JR-S355JR, S235JO-S355JO, S450JO, S235J2-S355J2, S275N-S460N, S275M-S460M, P235GH-P355GH, P355N, P285NH-P460NH, P195TR1-P265TR1, P195TR2-P265TR2, P195GH-P265GH, L245NB-L415NB, L450QB, L245MB-L450MB, GE200-GE300  
 ASTM: A 29 Gr. 1013, 1016; A 106 Gr. C; A, B; A 182 Gr. F1; A 234 Gr. WP1; A 283 Gr. B, C, D; A 335 Gr. P1; A 501 Gr. B; A 533 Gr. B, C; A 510 Gr. 1013; A 512 Gr. 1021, 1026; A 513 Gr. 1021, 1026; A 516 Gr. 70; A 633 Gr. C; A 678 Gr. B; A 709 Gr. 36, 50; A 711 Gr. 1013;  
 API 5 L B, X42, X52, X60, X65

**GOEDKEURINGEN** CE



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

| C    | Si   | Mn  | Cr  | Mo  |
|------|------|-----|-----|-----|
| 0.08 | 0.45 | 0.5 | 8.8 | 0.9 |

**MECHANISCHE WAARDEN**

| Heat Treatment  | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Impact Energy (J) ISO-V |  | Hardness |
|-----------------|-------------------------|----------------------|--------------------|-------------------------|--|----------|
|                 |                         |                      |                    | RT                      |  |          |
| 730°C- 760°C 1h | 500                     | 600                  | 23                 | 60                      |  | HRc      |

**HERDROGEN** Not required

**GAS ACC. EN ISO 14175** 11



# CEWELD SG Mo Tig

SG MO TIG 1,6 X 1000MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 5       | 8720663416797 |

SG MO TIG 2,0 X 1000MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 5       | 8720663416810 |

SG MO TIG 2,4 X 1000MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 5       | 8720663416834 |