



# CEWELD SG Ni2,5 Tig

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                      |        |                         |       |       |          |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|--------|-------------------------|-------|-------|----------|
| TYPE                                                 | Solid welding wire for extra low temperature applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |                      |        |                         |       |       |          |
| APPLICATIONS                                         | Filler metal developed for fine grain steels and cold-tough steels. Typical applications are welding boilers for liquid petrol gas (LPG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |                      |        |                         |       |       |          |
| PROPRIÉTÉS                                           | A copper coated, Ni-alloyed (2,4% Ni), solid wire for low temperature steels in applications such as vessels, pipes and in the offshore industry with a minimum yield strength of 470 MPa. The wire provides excellent impact toughness down to -60°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                      |        |                         |       |       |          |
| CLASSIFICATION                                       | AWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A 5.28: ER 80S-Ni2      |                      |        |                         |       |       |          |
|                                                      | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 636-A: W 42 9 2Ni2      |                      |        |                         |       |       |          |
|                                                      | F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                       |                      |        |                         |       |       |          |
|                                                      | FM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                       |                      |        |                         |       |       |          |
| CONVIENT POUR                                        | <b>ReH ≤ 460 MPa (67 ksi) ISO 15608: 1.2 (275 &lt; ReH &lt; 360 MPa), 1.3 (ReH &gt; 360 MPa &lt; 460 MPa)</b><br>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, 1.1138, 1.5419, 1.8948, 1.8900, 1.8901, 1.8902, 1.8903, 1.8905, 1.8907, 1.8910, 1.8912, 1.8915, 1.8917, 1.8930, 1.8932, 1.8935, 1.8937, 1.8970, 1.8971, 1.8972<br>10Ni14, 12Ni14, 11MnNi5-3, 13MnNi6-3<br>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<br>AH32, AH36, AH40; DH32, DH36, DH40; EH32, EH36, EH40; FH32, FH36, FH40<br>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<br>Oceanfit 52, Oceanfit 60, Oceanfit 65, Oceanfit 355, Oceanfit 420, Oceanfit 460, alform plate 460M; durostat 400, 450, durostat B2 |                         |                      |        |                         |       |       |          |
| AGRÉMENTS                                            | CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                      |        |                         |       |       |          |
| POSITIONS DE SOUDAGE                                 | <div> PA</div> <div> PB</div> <div> PC</div> <div> PD</div> <div> PE</div> <div> PF</div> <div> PG</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |                      |        |                         |       |       |          |
| ANALYSE CHIMIQUE<br>TYPIQUE DU MÉTAL<br>D'APPORT (%) | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Si                      |                      | Mn     |                         | Ni    |       |          |
|                                                      | 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.5                     |                      | 1.05   |                         | 2.45  |       |          |
| PROPRIÉTÉS MÉCANIQUES                                | Heat Treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | R <sub>P0.2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Impact Energy (J) ISO-V |       |       | Hardness |
|                                                      | As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 480                     | 580                  | 28     | -40°C                   | -60°C | -80°C | HRc      |
|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                      |        | 100                     | 60    | 47    |          |
| ETUVAGE                                              | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |                      |        |                         |       |       |          |
| GAS ACC. EN ISO 14175                                | I1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                      |        |                         |       |       |          |



# CEWELD SG Ni2,5 Tig

|                           |           |         |               |
|---------------------------|-----------|---------|---------------|
| SG NI2,5 TIG 1,6 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663405784 |
| SG NI2,5 TIG 2,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663405791 |
| SG NI2,5 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663405807 |
| SG NI2,5 TIG 3,2 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663405814 |