



# CEWELD AL 4Ni0,2Ti Tig

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|----------------------|--------------------|----------|-----------|------|----|----|--------|------|-----|---|-----|------|----|------|------|
| TYPE                                              | Special aluminium alloy for TIG welding with high Nickel content..                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| APPLICATIONS                                      | Filler metal for welding Aluminium alloys with maximum 4% Nickel. This Nickel alloyed Aluminium filler metal is originatly developed for welding power conductors that require higher strength.                                                                                                                                                                                                                                                                                                                               |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| PROPERTIES                                        | Excellent weldability and improved mechanical strength due to its high Nickel content. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. Thicker sections should be preheated (150°C) prior to welding.                                                                                                                                                                                                                                                        |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| CLASSIFICATION                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| SUITABLE FOR                                      | Filler metal for welding Aluminium alloys with maximum 4% Nickel                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| APPROVALS                                         | CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| WELDING POSITIONS                                 | <div>PAPBPCPDPEPF</div> |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | <table><tr><td>Be</td><td>Mn</td><td>Si</td><td>Ni</td><td>Fe</td><td>Cu</td><td>Al</td><td>Zn</td><td>Ti</td></tr><tr><td>0.0001</td><td>0.01</td><td>0.1</td><td>4</td><td>0.1</td><td>0.01</td><td>96</td><td>0.01</td><td>0.15</td></tr></table>                                                                                                                                                                                                                                                                          | Be                   | Mn                      | Si                   | Ni                 | Fe       | Cu        | Al   | Zn | Ti | 0.0001 | 0.01 | 0.1 | 4 | 0.1 | 0.01 | 96 | 0.01 | 0.15 |
| Be                                                | Mn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Si                   | Ni                      | Fe                   | Cu                 | Al       | Zn        | Ti   |    |    |        |      |     |   |     |      |    |      |      |
| 0.0001                                            | 0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.1                  | 4                       | 0.1                  | 0.01               | 96       | 0.01      | 0.15 |    |    |        |      |     |   |     |      |    |      |      |
| MECHANICAL PROPERTIES                             | <table><tr><td>Heat Treatment</td><td>R<sub>P0,2</sub> (MPa)</td><td>R<sub>m</sub> (MPa)</td><td>A<sub>5</sub> (%)</td><td>Hardness</td></tr><tr><td>As Welded</td><td>20</td><td>65</td><td>35</td><td>HRc</td></tr></table>                                                                                                                                                                                                                                                                                                 | Heat Treatment       | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Hardness | As Welded | 20   | 65 | 35 | HRc    |      |     |   |     |      |    |      |      |
| Heat Treatment                                    | R <sub>P0,2</sub> (MPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | R <sub>m</sub> (MPa) | A <sub>5</sub> (%)      | Hardness             |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| As Welded                                         | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 65                   | 35                      | HRc                  |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| REDRYING                                          | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |
| GAS ACC. EN ISO 14175                             | I1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                         |                      |                    |          |           |      |    |    |        |      |     |   |     |      |    |      |      |



# CEWELD AL 4Ni0,2Ti Tig

AL 4Ni0,2Ti Tig 2,0 X  
1000MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 5       | 8720663424525 |

AL 4Ni0,2Ti Tig 2,4 X  
1000MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 5       | 8720663408006 |

AL 4Ni0,2Ti Tig 3,2 X  
1000MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 5       | 8720663424549 |