



# CEWELD NiCro 601 Tig

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |                         |      |                      |    |        |          |     |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|-------------------------|------|----------------------|----|--------|----------|-----|
| TYPE                                              | Nickel-Chromium-Aluminum alloy for TIG welding Alloy 601.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |     |                         |      |                      |    |        |          |     |
| TOEPASSINGEN                                      | CEWELD® 601 Tig is used for severe applications where the exposure temperature can exceed 2100°F [1150°C].                                                                                                                                                                                                                                                                                                                                                                                                  |                                |     |                         |      |                      |    |        |          |     |
| EIGENSCHAPPEN                                     | Excellent resistance against corrosion and oxidation and suitable for applications when exposed to hydrogen sulfide or sulfur dioxide.                                                                                                                                                                                                                                                                                                                                                                      |                                |     |                         |      |                      |    |        |          |     |
| CLASSIFICATIE                                     | AWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A 5.14: ER NiCrFe-11           |     |                         |      |                      |    |        |          |     |
|                                                   | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 18274: S Ni 6601(NiCr23Fe15Al) |     |                         |      |                      |    |        |          |     |
|                                                   | F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 43                             |     |                         |      |                      |    |        |          |     |
|                                                   | FM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                              |     |                         |      |                      |    |        |          |     |
| GESCHIKT VOOR                                     | The nominal composition (wt.-%) of filler metal of this classification is 61 Ni, 23 Cr, 14 Fe, and 1.4 Al. Filler metal of this classification is used for welding nickel-chromium-iron-aluminum alloy (ASTM B 166, B 167, and B 168 having UNS number N06601) to itself and to other high-temperature compositions.                                                                                                                                                                                        |                                |     |                         |      |                      |    |        |          |     |
| GOEDKEURINGEN                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |                         |      |                      |    |        |          |     |
| LASPOSITIES                                       |       |                                |     |                         |      |                      |    |        |          |     |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Si                             | Mn  | P                       | S    | Cr                   | Ni | Fe     | Cu       | Al  |
|                                                   | 0.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.27                           | 0.9 | 0.01                    | 0.01 | 23                   | 61 | 15     | 0.1      | 1.5 |
| MECHANISCHE WAARDEN                               | Heat Treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |     | R <sub>P0,2</sub> (MPa) |      | R <sub>m</sub> (MPa) |    | A5 (%) | Hardness |     |
|                                                   | As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |     |                         |      | 660                  |    | 48     | HRc      |     |
| HERDROGEN                                         | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |     |                         |      |                      |    |        |          |     |
| GAS ACC. EN ISO 14175                             | I1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |     |                         |      |                      |    |        |          |     |



# CEWELD NiCro 601 Tig

NICRO 601 TIG 1,6 X  
1000MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 5       | 8720663418302 |

NICRO 601 TIG 2,0 X 914MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 4,54    | 8720663418319 |

NICRO 601 TIG 2,4 X 914MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Tube      | 4,54    | 8720663418326 |