



# CEWELD NiCrO 601

**TYPE** Nickel-Chromium-Aluminum alloy for Mig welding alloy 601.

**TOEPASSINGEN** CEWELD NiCrO 601 is used for severe applications where the exposure temperature can exceed 1150°C (2100°F).

**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   | Cr   | Ni | Fe    | Al  |
|------|------|------|------|----|-------|-----|
| 0.04 | 0.24 | 0.53 | 22.8 | 61 | 13.35 | 1.4 |

**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                      |  |          |
| As Welded      | 648                     | 700                  | 42                 | 60                      |  | HRC      |

**HERDROGEN** Not required

**GAS ACC. EN ISO 14175** 11



# CEWELD NiCro 601

NICRO 601 1,14MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663418296 |