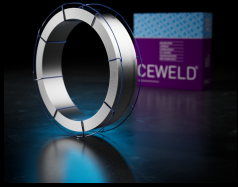


# CEWELD SA Alloy C-276

|                                                   |                                                                                                                                                                                                                                                                                                              |                                    |                      |                    |                         |    |     |    |          |    |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------|--------------------|-------------------------|----|-----|----|----------|----|
| TYPE                                              | Solid wire for nickel-chromium-molybdenum alloys                                                                                                                                                                                                                                                             |                                    |                      |                    |                         |    |     |    |          |    |
| TOEPASSINGEN                                      | CEWELD SA Alloy C-276 is used for welding low carbon nickel-chromium-molybdenum alloys, especially UNS N10276, for welding the clad side in steel clad with low carbon nickel-chromium-molybdenum alloy, and for welding low carbon nickel-chromium-molybdenum alloys to steel and other nickel-base alloys. |                                    |                      |                    |                         |    |     |    |          |    |
| EIGENSCHAPPEN                                     | High Nickel-Chromium alloy with very good mechanical properties down to -196°C. This wire can be welded with our fused flux FL 880 or agglomerated flux FL 838 or FL 839.                                                                                                                                    |                                    |                      |                    |                         |    |     |    |          |    |
| CLASSIFICATIE                                     | AWS                                                                                                                                                                                                                                                                                                          | A 5.14: ERNiCrMo-4                 |                      |                    |                         |    |     |    |          |    |
|                                                   | EN ISO                                                                                                                                                                                                                                                                                                       | 18274: S Ni 6276 (NiCr15Mo16Fe6W4) |                      |                    |                         |    |     |    |          |    |
|                                                   | W.Nr.                                                                                                                                                                                                                                                                                                        | 2.4886                             |                      |                    |                         |    |     |    |          |    |
|                                                   | F-nr                                                                                                                                                                                                                                                                                                         | 45                                 |                      |                    |                         |    |     |    |          |    |
|                                                   | FM                                                                                                                                                                                                                                                                                                           | 6                                  |                      |                    |                         |    |     |    |          |    |
| GESCHIKT VOOR                                     | <b>Alloy 276, Ni 6276 (NiCr15Mo16Fe6W4). 2.4886, 2.4887</b><br><b>M.No:</b> 1.5680, 1.5682, 2.4819, 2.4883<br>NiMo16Cr15W, X12Ni5 / 12Ni19, X8Ni9, G-NiMo16Cr<br>Alloy C4, Hastelloy C276, A494CW-12MW, A743 / A744CW-12M                                                                                    |                                    |                      |                    |                         |    |     |    |          |    |
| GOEDKEURINGEN                                     |                                                                                                                                                                                                                                                                                                              |                                    |                      |                    |                         |    |     |    |          |    |
| LASPOSITIES                                       |                                                                                                                                                                                                                            |                                    |                      |                    |                         |    |     |    |          |    |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | C                                                                                                                                                                                                                                                                                                            | Si                                 | Mn                   | Cr                 | Ni                      | Mo | V   | Fe | W        | Co |
|                                                   | 0.01                                                                                                                                                                                                                                                                                                         | 0.07                               | 0.9                  | 15.5               | 62                      | 16 | 0.2 | 6  | 4        | 2  |
| 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                                                                                                                                                                                                                                                                                                    | 410                                | 710                  | 35                 | 80                      |    |     |    | HRc      |    |
| HERDROGEN                                         | Not required                                                                                                                                                                                                                                                                                                 |                                    |                      |                    |                         |    |     |    |          |    |
| GAS ACC. EN ISO 14175                             |                                                                                                                                                                                                                                                                                                              |                                    |                      |                    |                         |    |     |    |          |    |



# CEWELD SA Alloy C-276

SA ALLOY C-276 2,4MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| K-415     | 25      | 8720663420169 |