



# CEWELD CuNi10Zn42

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                |                                 |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------|---------------------------------|
| TYPE                                              | CuZnNi alloyed brazing alloy with excellent strength                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |                                |                                 |
| TOEPASSINGEN                                      | Joining: Steels, Galvanized steel, Tempered Cast Iron, Cast iron, Nickel alloys etc. This alloy is mainly used in the furniture and the bicycle industry for high strength joining of steels, also is this alloy recommended for rebuilding cock wheels due to the good sliding properties.                                                                                                                                                                                                                                                                                                   |                                                  |                                |                                 |
| EIGENSCHAPPEN                                     | Good flowing high strength Ni-brass alloy containing Nickel for more strength and bridging capability during brazing with excellent rebuilding properties.<br>Flux/Paste: CEWELD Universal-Flux                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                |                                 |
| CLASSIFICATIE                                     | AWS<br>EN ISO<br>W.Nr.<br>F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A 5.8: RBCuZn-D<br>17672: Cu 773<br>2.0711<br>35 |                                |                                 |
| GESCHIKT VOOR                                     | Steels, Galvanized steel, Tempered Cast Iron, Cast iron, Nickel alloys                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |                                |                                 |
| GOEDKEURINGEN                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                |                                 |
| LASPOSITIES                                       |        |                                                  |                                |                                 |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | Si<br>0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ni<br>10                                         | Cu<br>48                       | Zn<br>Rem.                      |
| MECHANISCHE WAARDEN                               | Heat Treatment<br>As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R <sub>P0,2</sub><br>(MPa)                       | R <sub>m</sub><br>(MPa)<br>785 | A5<br>(%)<br>Hardness<br>180 HB |
| HERDROGEN                                         | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |                                |                                 |
| MELTING RANGE                                     | 890 - 920°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |                                |                                 |
| GAS ACC. EN ISO 14175                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                |                                 |