



# CEWELD L-Ag45Sn

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                                |                              |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|------------------------------|
| TYPE                                           | High silver containing Cadmium free brazing alloy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |                                |                              |
| ANWENDUNGEN                                    | Brazing a weight range of different metals in maintenance and repair with excellent strength, Boiler making, Tubing, Cooling equipment etc. Do not use this alloy above working temperatures of 200 °C                                                                                                                                                                                                                                                                                                                                                                                        |                                |                                |                              |
| EIGENSCHAFTEN                                  | Most universal silver brazing alloy without Cadmium with extreme low operating temperature and high mechanical properties. Due to the addition of Sn. this alloy will show a bright looking joint and is more capillary then the standard silver brazing Alloys.<br>Flux/Paste: CEWELD Super-Flux                                                                                                                                                                                                                                                                                             |                                |                                |                              |
| KLASSIFIKATION                                 | AWS<br>EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A 5.8: BAg-36<br>17672: Ag 145 |                                |                              |
| GEEIGNET FÜR                                   | Steels, Copper, Copper alloys, Stainless steel, Cast Iron, Nickel and Nickel alloys. Also suitable for dissimilar joints between these metals.                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |                                |                              |
| ZULASSUNGEN                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                                |                              |
| SCHWEISSPOSITIONEN                             |        |                                |                                |                              |
| TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%) | Cu<br>27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Zn<br>25                       | Sn<br>2.8                      | Ag<br>45                     |
| MECHANISCHE GÜTEWERTE                          | Heat Treatment<br>As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R <sub>P0,2</sub><br>(MPa)     | R <sub>m</sub><br>(MPa)<br>400 | A5<br>(%)<br>Hardness<br>HRc |
| RÜCKTROCKNUNG                                  | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |                                |                              |
| MELTING RANGE                                  | 640 - 680°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                                |                              |
| GAS ACC. EN ISO 14175                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                                |                              |