

## ALUMINUM CABLE IN A TUBULAR CABLE LUG



### ■ The task

A 85 mm<sup>2</sup> aluminum cable is to be securely welded into a tubular cable lug. The cable lug is made of copper with nickel plating and has a wall thickness of 0.8 mm.

### ■ The solution

The task was accomplished using torsional PowerWheel® technology, using a PowerWheel® with drive on both sides and a maximum output of 10 kW.

### ■ The advantages

The special shape of the tubular cable lug and its thick wall mean that a large amount of energy has to be applied in a short space of time in order to make the connection between the aluminum cable and the inside of the tubular cable lug. The task is even more difficult because of the wall thickness of the cable lug.

The process achieved secure high-strength weld connections.



The application was carried out on a PowerWheel® MT8000.

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