

Power Distribution System for Electric Vehicles

Busbar and Flexible connections

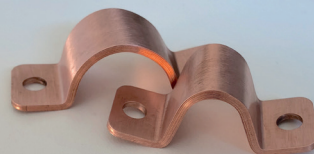
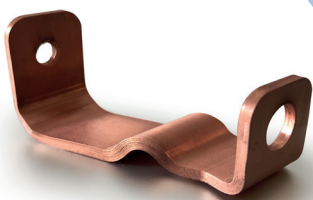
Since 1974 the BRAR Group has been one of the biggest manufacturers in the world of integrated high current solutions.



Recharge station

Electric motor

Power Battery pack





Flexible connection

Laminated Flexible Connections are electrical conductors made of **copper foils stacked together** to reach the copper section required and manufactured according to the design requirements.

The copper foils are **press-welded together** in some area, typically at the sides.

- >> Minimize the **vibration transmission.**
- >> Allow **thermal expansion.**

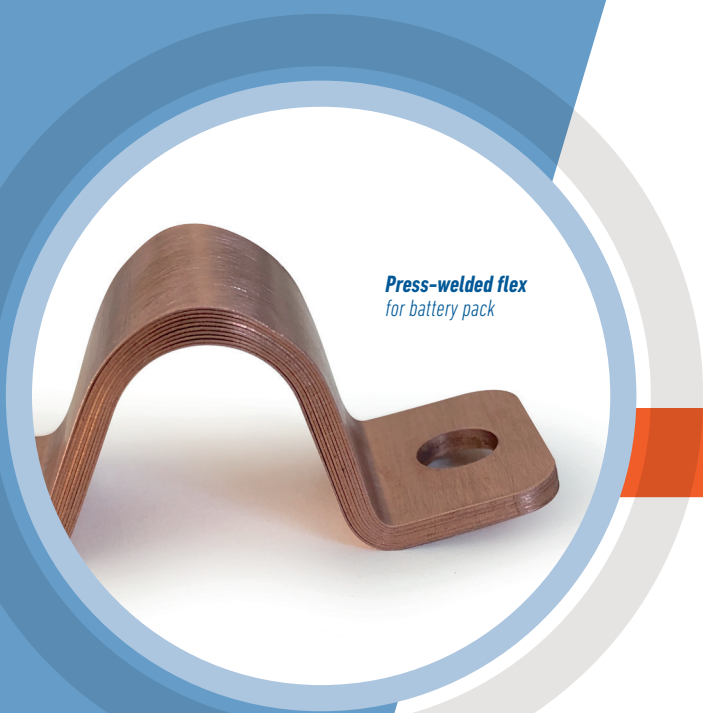
Laminated Flexible Connections can be equipped with inserts and other components.



*Press-welded flex
for electric motor*



*Press-welded flex
for electric motor*



*Press-welded flex
for battery pack*

- >> **EN13599 compliant copper foils, thickness 0,1-0,3mm, material Cu-HCP conductivity Min 98% IACS.**
- >> **Dimensional gauges control**
- >> **Voltage drop test** to check the correct conductivity of press-welding process
- >> **Metallographic inspection** to evaluate the correct joining of copper foils where press-welded
- >> Different treatments according to **Customer specification.**
- >> Contamination acceptability limits.
- >> Shrink tube **protections.**
- >> **Brazing of contacts.**

We offer assistance in product development as per Customer design.

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