HANDLING & STORAGE INSTRUCTIONS IN SITE

HANDLING

In the handling of individual parts of an electrical busbar , it is important to pay attention to **make sure that the holding and attaching of elements is according to instructions included at the end of this document**.
Use the protection and safety equipment during the handling of the Busbar System: safety helmet, gloves, safety boots, safety belt, etc.
All the materials must be distributed to the place of the installation directly, except if there are different instructions.
We recommend to use textile slings for the suspension or raising jobs of the writing units.
Pay attention to use the slings with carrying capacity appropriate for the weight to lift.
The slings will be located around the conductors of the busducts and never around the exterior aluminium cover.

STORAGE

Graziadio busbar products storage in work place will be **in a clean and dry place, in a covered room and on a plain surface**.
Medium voltage parts can't be stacked in any way.
In case of a long time of storage, it is important to be careful with the rust in the ending plates of the parts in copper as well as aluminium. It is not an electrical problem, since both of them (copper and aluminium oxide) are good conductors. In order to avoid this process, ends of parts must be protected with vaseline, or ask for this treatment to Graziadio before expedition. The materials storage area should fulfil the following requirements:

- It must be stable, safe and not be on a slope.
- It must give guaranteed protections against adverse atmospheric conditions such as damp temperature and water penetration.
- It must give guaranteed protection against dust, water, welding sparks and other agents, which may damage the materials supplied.
- For security reasons, it must not be sited in thoroughfares or assembly areas for other working equipment.

Before setting the line at work check that:

1) The bolts are correctly tightened;
2) The line is assembled keeping every 4 m a maximal deviation of 3 cm from the axis (both vertically and horizontally);
3) Make the isolation test under 500 V at least. The resistance of each circuit towards earth has to be higher than 1000 Ω/V.

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