Drilling holes in the copper busbar of the distribution box

TL;DR: Use new cobalt drill bits from Lowe"s to drill copper bus bars and fasten the lugs with #10 or #8 hardware. The equipment being fed is (2) 20 A breakers, each feeding a 20 A duplex GFCI.

If you need to drill holes in copper, this article will provide you with the best techniques and tips to ensure a clean and precise outcome.

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I have had sphincter clenching "sort of" success with Rapidtap and very short peck increments like 0.0005" or 0.00075", but I was drilling a few holes, not a hundred thousand holes.

Removing busbar material can result in higher operating temperatures, and additional holes can potentially weaken the busbar, which adversely affects the short circuit rating of the equipment ...

These guidelines govern the busbar processing and installation procedures for all low-voltage switchgear and power distribution enclosures manufactured by our facility. The principles ...

Generally speaking, the CW 120 product series is capable of punching round holes with a diameter of 6.6-21.5 mm and slots up to a maximum length of 21 mm and a width of 18 mm.

This video shows the drilling process in copper busbar fabrication. We use high-precision drilling to ensure clean, burr-free holes with tight tolerances.

In this video, I"ll guide you step by step on the tools, techniques, and safety precautions needed to make clean and accurate holes in copper/aluminum busbars for electrical...

If you drill a hole in the buss bar and do not use it, it reduces the cross sectional area which lowers the current capacity linearly.

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