



ClinchPartner

FAQ

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DATE: Jan 11, 2015

## ClinchMaster MX4 – FAQ

### Weight?

The weight of the tool, including battery and clinching tong is approx 6 lbs, 3 kg, BUT the tool is self equilibrated and there is no need to push as you would have to do when running screws. Additionally there is no twisting recoil like what you get at the end of a screw run.

As just one telling example, the tools have been used for 1 1/2 years for curtain wall assembly by PEAB, a USD 6.5 billion construction company in Sweden.

The site Manager for the Vidar project summarized their experience like this: This job [curtain wall assembly] requires that you push hard on the screwgun at the same time as you hold the tool above your head, and after a few thousand joints you really feel the pain. **Using the ClinchMaster MX4 you can work from below and the shoulders are much less strained. The reputation of this sensational tool is spreading rapidly among the workers themselves and is quickly reserved by the site managers for upcoming jobs,** see Case study with photos attached .

### Battery life?

What is the number of joints you would get out of a fully charged battery.

Depending on gauges and battery capacity, from 1.6 Ah to 3.2 Ah, you will get 250-400 clinch joints from a charged battery. Charging takes only one hour. Most customers buy a second battery for each tool and with one on the tool and one on the charger they can work continuously by simply swapping the batteries between the tool and the charger.

### Switching between gauges?

We offer currently two types of clinching tongs, the 25-series has a depth of bite of 25 mm, 1", and the 45-series has a depth of bite of 45 mm, 1 3/4". For partition and curtain wall assembly, the 45-series is most appropriate.

Each clinching tong should then be equipped with a punch and die set, tuned to the gauges to be joined, and the selection is simply as follows:

T1 is for 2x24-2x22 ga, 2x0.5-2x0.8 mm

T2 is for 2x20-2x18 ga, 2x0.8-2x1.3 mm

T3 is for 2x16 ga, 2x1.3-2x1.6 mm

T4 is for 2x14 ga, 2x1.6-2x2.0 mm

Swapping a clinching tong equipped with its punch and die set is a 5-second operation, releasing a spring loaded locking bolt and engaging again with a new tong.

The sturdy metallic case has room for the drive, 4 additional tongs, plus the rapid charger and an additional battery.

## **If a joint is in the wrong place?**

What generally is done is to drill out the joint, move the stud and clinch again.

We have as an alternative looked into having a special tong equipped, not with a punch and die set for clinching, but with a set for punch-out. This approach removes the need to have a drill at hand, should the joint end up in the wrong spot. If this would be of crucial interest for you, we could envisage taking this project to the next level.

## **Closing comments**

Key advantages:

- No fasteners to buy, sort and handle
- A clinch joint is flush with no screw heads that may crack gypsum boards
- A clinch joint is smooth with no sharp screw tips that may result in hand injuries
- The operator can join both sides of a structure while staying on one side only. This is particularly important and saves a lot of time when the operator has to climb on ladders, step-ladders or scaffolding as you can see from the photos from the PEAB Case study

For additional information contact [info@clinchpartner.com](mailto:info@clinchpartner.com).

See also [www.clinchpartner.com](http://www.clinchpartner.com) or call ++41 76 581 20 90

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