



# Things you should know about Cage Clamp Terminal Blocks

It's a breakthrough. The increased expense of service calls, as well as a company's goal to supply more dependable products, have altered people's perceptions of terminal blocks.

Unless you were in field service, terminal blocks were once regarded to be a minor component of the overall system. Field service professionals claim that terminal blocks have always been important since "checking the connections" is one of their initial troubleshooting tasks. They also show that connector failures account for nearly half of all system failures.



Until the advent of the "Cage Clamp," the only preventive solution to this problem was to check connections as part of a regular maintenance programme. Cage Clamp saves time and money by eliminating routine maintenance and ensuring consistent contact.

Elmex Controls Pvt. Ltd. offers the top-quality [Spring clamp terminal block in Vadodara.](#)

## 1. What is the difference between Cage Clamp and other screwless systems?

Cage Clamp is a revolutionary stainless steel clamping mechanism that connects solid or stranded wire automatically. Cage Clamps come in a variety of sizes to fit wire diameters AWG 28-12. Other than stripping the wire, no other wire preparation is required, such as ferrules, crimps, or tinning.

The leaf-spring principle is used in the majority of screwless systems produced by various vendors. Many electrical outlets have this style of the connector in the back. Because it has no edges to retain the strands and because the wire is contacted at a severe angle, leaf-spring is only suited for larger, solid wire.

Elmex Controls Pvt. Ltd. is the most distinct and excellent **Terminal blocks manufacturer in Vadodara**.

## **2. When compared to screw-clam blocks, how efficient is the wiring time for Cage Clamp?**

When comparing hand wiring of screw-type terminals to Cage Clamp terminals, public wiring competitions and significant customer time studies have shown a 75 per cent reduction in wiring time.

Even when powerful screwdrivers are used to tighten the clamping screws, Cage Clamp offers a time-saving advantage.

There are additional savings when wire preparation such as crimps, ferrules, or tinning can be avoided.

Elmex Controls Pvt. Ltd. is one of the prominent suppliers of [Cage Clamp type terminal blocks](#) in Gujarat, India.

## **3. How does the Cage Clamp differ from screw clamp blocks in terms of operation?**

"Operator-dependent" screw connections, In other words, necessitate the installer's judgement on the screw's tightness. In a factory context, this can be managed to some extent using trained employees or special torque screwdrivers. Proper screw connections are more difficult to achieve with field wiring.

The automatic clamping feature of Cage Clamp allows less-skilled workers to establish quality connections. Cage Clamp is operated with a normal straight-bladed screwdriver and requires no extra tools. There are two types of terminal blocks: side-entry and front-entry.

If you are looking for an excellent and best-in-class **Shorting type Terminal block** in Vadodara, Elmex Controls Pvt. Ltd. is the right place for you.

#### **4. Why, even after thousands of actuations, does the Cage Clamp not wear out?**

The Cage Clamp is a computer with a high level of dependability. Automobile and industrial springs, which are subjected to constant dynamic stress, work reliably and complete millions of actions over their lifetime. The Cage Clamp, on the other hand, is often only used a few times but is constructed using the same principles as springs under dynamic load.