

ABSOLUTE EMC Bar Clamp



The **ABSOLUTE EMC Bar Clamp** is specifically designed for the **EMC market**, providing a **low-cost, easy-to-use** solution with **no metallic parts**. It is highly adjustable, reliable, and ideal for various EMC testing applications. The EMC Bar Clamp is made from **low permittivity materials**, making it suitable for holding **tables together** or securing the **DUT/EUT** in position during testing.

Key Features

- **Low-Cost, Easy Assembly:** The EMC Bar Clamp is simple to assemble and use, designed with user convenience in mind.
- **Fully Adjustable Length:** Compatible with any **1-inch diameter wooden dowel**, making it fully adjustable to fit different application needs. Dowels are available in **standard lengths of 12", 14", 16", 18", 24", and 36"**, or can be customized to your requirements.
- **Low Permittivity:** All components are made from materials with **low permittivity**, ensuring suitability for a wide range of EMC applications without affecting test results.

Material and Construction

- The **EMC Bar Clamp** components are **3D printed** using **PLA plastic** for durability.
- The structure uses **1-inch hardwood dowels** for adjustable support.

The kit includes:

- **1x Bar Clamp Slide**
- **1x Bar Clamp Tightener**
- **1x Bar Clamp Crank**
- **1x Screw Wrench**
- **1x 1-inch Hardwood Dowel (18 inches standard length, customizable)**
- Customers can also opt to purchase individual pieces and assemble the system themselves, utilizing any **1-inch wooden dowel** available from local hardware stores.

Versatile Kit Options

- **Full Kit:** Includes all components listed above, with **18-inch dowels** as standard. Lengths can be customized up to **3 feet** based on specific needs.
- **Build-Your-Own Option:** Purchase individual pieces and use readily available **1-inch dowels** for a custom solution.
- Dowels can be easily sourced from most **lumberyards** and can be cut down to suit different application requirements.

Lifetime Warranty

All **Absolute EMC 3D-printed accessories** come with a **lifetime warranty**. If any plastic component is damaged, it will be replaced **free of charge**. We encourage customers to provide feedback on any failures so we can continually improve our future designs.

Applications

- Ideal for **holding tables together** during testing.
- Effective for securing **DUT/EUT** in position on a table or a surface for testing.
- Designed for **EMC testing environments** where **non-metallic** solutions are required.

Benefits

- **Non-Metallic Construction:** Ensures no interference with EMC testing.
- **Customizable and Flexible:** Fully adjustable, allowing it to be tailored to the specific needs of each application.
- **Durable and Sustainable:** Built from **3D printed PLA plastic** and **hardwood**, ensuring strength while maintaining a lightweight, easy-to-handle structure.


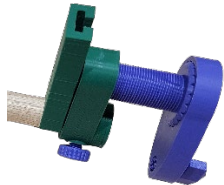




Specifications:

Material: Plastic PLA (Polylactic acid)
Hardwood Dowels
Color: Green and purple
Other colors are available on request

Relative Permittivity: $\epsilon_r = \sim 2.0 - 3$

*Use good engineering judgment for weight loading. It is not a metal clamp. Please do not expect the same strengths.

Individual Items:

Bar Clamp Slide	The slide that can be moved to position up close to the clamp item	
Bar Clamp Tightener	The tightener is made up of 3 pieces: Screw Slide, Screw, and Screw Slide Holder.	
Bar Clamp Crank	Wrench for Large screw allows for fast movement of the tensioning screw. All give more leverage to increase tension. This is made to be removable just in case it is in the way of the surroundings.	
Screw Wrench	The screw wrench allows getting more torque on the TP-Screw to allow for a tighter fit when needed. This item is free to all users of the Absolute EMC tripod and clamps. Please call/email if you more.	
TP-Screew	The same size screw is used for many of Absolute EMC products. This can be used with the EMC Tripod, EMC Monopole, antenna adaptors, and many other accessories.	
Wood-Dowel	1" hardwood dowel available in lengths up to 4 ft	
Other?	If you have an idea for an accessory to make the EMC Bar Clamp more versatile, please let us know.	

For more information or to request a quote, don't hesitate to get in touch with us.

ABSOLUTE EMC - Simplifying Your EMC Testing Needs