

## CLAMPING KIT SET OF 58PCS



- All parts of the T-slot clamp kit are heat-treated, black-oxidized and housed in a wall-mounted steel frame.
- CONTENTS : SPECIFICATION: The T-slot clamp kit include:6 T-nuts,6 Flange nuts,4 Coupling nuts,24 Studs 4 of each- 3",4",5",6",7",8",6 Step clamps 2 each based on stud sets,12 Step blocks,24 Double end bolts
- T-Slot clamp kit are used in various mechanical worktables, designed for fixed use of molds, jigs, etc,and used for clamping of workpieces of machine tools, molds, lathes, CNC and various metal cutting machine tools
- All Clamps are Grounded and Machined
- The Complete set is Supplied in a Tin Stand stand which can also be hung on wall

T O O L S

Cat No.	ITEM NAME	Desc	Size
GCK-096	Clamping Kit	58Pcs Set	M12

## How to Use

Using a clamping kit is essential when securing workpieces on a milling machine, drill press, or other machining equipment. Here's a step-by-step guide on how to use a clamping kit effectively:

### Materials Needed:

- Clamping kit
- Workpiece
- Milling machine or drill press
- Appropriate tools (hex keys, wrenches, etc.)

### Steps:

#### 1. Select the Proper Components:

- Depending on the size and shape of your workpiece, choose the appropriate T-slot nuts, step blocks, step clamps, and other kit components.

#### 2. Position Your Workpiece:

- Place your workpiece on the machine's table in the desired location for machining.

#### 3. Insert T-Slot Nuts:

- Insert T-slot nuts into the T-slots of the machine table. Make sure they are positioned to align with the holes in your workpiece and are loosely tightened.

#### 4. Place Step Blocks:

- Slide the step blocks into the T-slots above the T-slot nuts. Position them so they contact your workpiece's surface. These blocks will provide support and height adjustment.

#### 5. Install Step Clamps:

- Use step clamps to secure the workpiece to the step blocks. Position the clamps over the workpiece and thread the clamping screw through the hole in the step clamp into the T-slot nut. Hand-tighten the clamps initially.

#### 6. Adjust and Align:

- Adjust the position of the workpiece as needed, ensuring it's aligned properly for the machining operation you intend to perform. Use a square or other measuring tools for precise alignment.

#### 7. Tighten Step Clamps:

- Using the appropriate tools (typically a hex key or wrench), tighten the step clamps securely. Ensure that the workpiece is held firmly in place and doesn't move during machining.

#### 8. Double-Check Alignment:

- Before starting the machining process, double-check that the workpiece is still properly aligned, and the clamps are tightened securely.

#### 9. Perform Machining Operation:

- With your workpiece securely clamped in place, you can now perform your milling or drilling operation. Be cautious and follow safety procedures while operating the machine.

#### 10. After Machining:

- After completing the machining operation, loosen and remove the step clamps, freeing your workpiece. Ensure that the T-slot nuts and step blocks are clear for your next setup.

#### 11. Clean and Store Components:

- Clean any metal shavings or debris from the kit components and the machine table. Store your clamping kit in a dry, secure place for future use. Using a clamping kit correctly is crucial for safe and precise machining. Always follow the manufacturer's instructions for your specific kit and exercise caution while working with machinery. Proper setup and alignment are essential for accurate results and operator safety.

