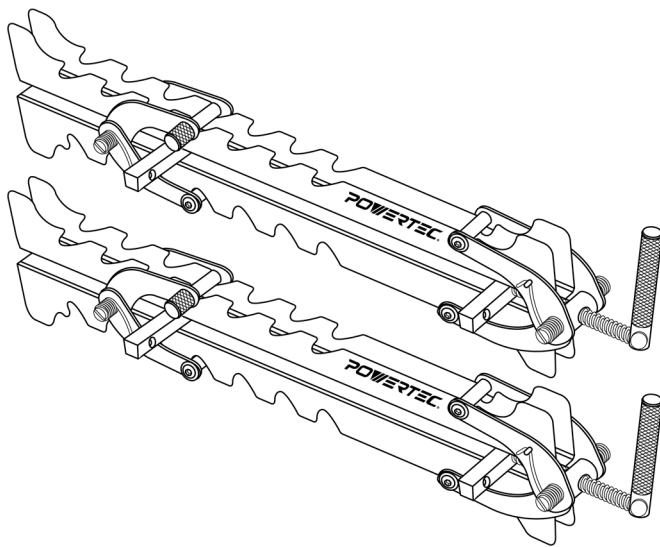


POWERTEC®

Woodworking 4-way Pressure Panel Clamps



The **POWERTEC** 72436 Woodworking 4-way Pressure Panel Clamps are designed for woodworking projects such as, gluing panels and creating cutting boards to name a few. Use to join panels from 1/2" to 1-1/2" thick and up to 16" wide.

WARNING

Risk of personal injury. For your own safety, read all of the rules and precautions before operating tool.

FOLLOW ALL STANDARD SAFETY PRECAUTIONS, INCLUDING:

- Keep children and visitors at a safe distance from work area.
- Wear proper apparel.
- Wear protective hair covering to contain long hair.
- Wear safety shoes with non-slip soles.
- Be alert and think clearly. Never operate power tools when tired, intoxicated or when taking medications that cause drowsiness.
- Use the right tool for the job. Do not force the tool to do a job for which it was not designed.

CAUTION

Think safety! Safety is a combination of operator common sense and alertness at all times when tools are being used.

SPECIFIC SAFETY WARNINGS

WARNING

Risk of personal injury. Read and understand this entire operating manual and the operating manual of any tool being used with the Woodworking 4-way Pressure Panel Clamps.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

CLAMPING CAPACITY

Maximum panel width: 16 inch

Minimum panel width: 5-1/2 inch

Maximum panel Thickness: 1-1/2 inch

Minimum panel Thickness: 1/2 inch

NOTE: These clamps apply even four-way pressure to keep boards flat and seams flush during glue-ups.

- *Board preparation:* Make sure the boards are accurately cut and that glue is evenly applied to the joining edges.
- *For long panels,* use one clamp every 18 inches or less for better clamping efficiency.
- *Curing:* Let the glue fully cure according to the glue manufacturer's instructions before removing the clamps.

UNPACKING CONTENTS

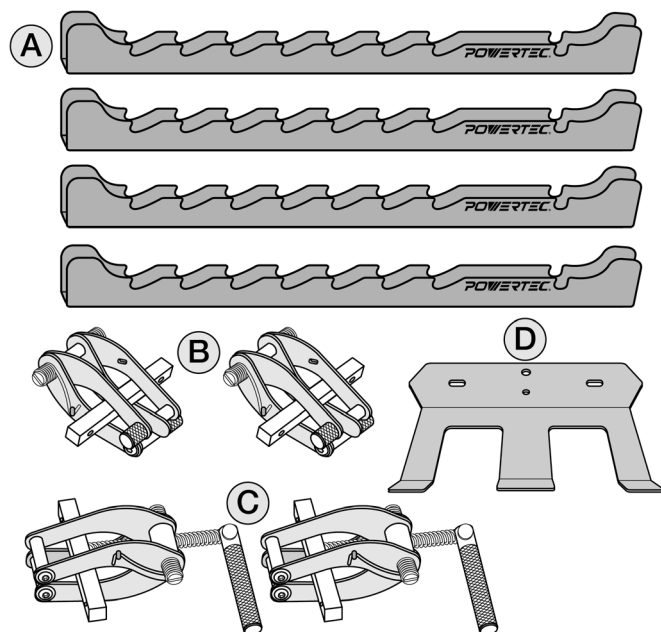
The **POWERTEC 72436 Woodworking 4-way Pressure Panel Clamp** is shipped complete in one carton.

NOTE: Check immediately whether all parts and accessories are included. If anything is missing, or broken, contact your retailer or call 1-847-780-6120.

- Examine shipping carton for freight damage before opening. If shipping carton is damaged file a claim with the carrier immediately.
- Carefully remove all contents from shipping carton. The shipping carton contains:

ITEM	DESCRIPTION	QTY
A	Rails	4
B	Tailstock Assembly	2
C	Headstock Assembly with Handle	2
D	Hanging Storage Bracket	1

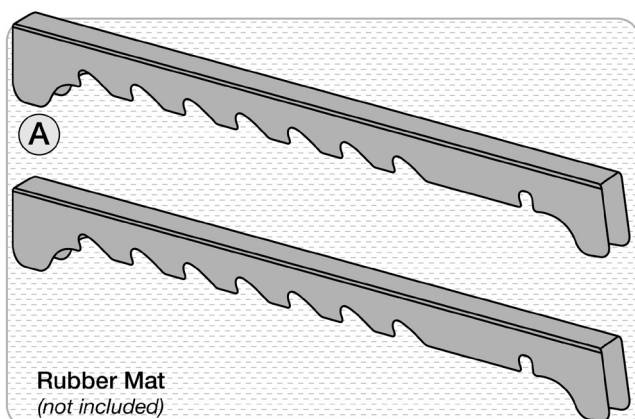
Figure 1



RAIL SETUP

- Place two Rails (A) onto a non-slick surface, such as a rubber mat (not included), with teeth facing down and pointing toward you.

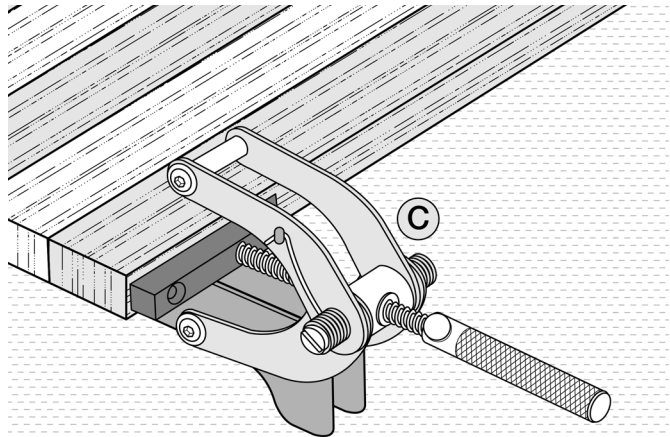
Figure 2



ATTACH HEADSTOCK ASSEMBLY

- Fit a Headstock Assembly (C) on the opposite side of Rail. Place pin of lower arm of Headstock Assembly into the first available U-shaped notch in Rail. Turn adjustable handle on each Headstock Assembly to fully retract clamping bar.

Figure 3



ATTACH TAILSTOCK ASSEMBLY

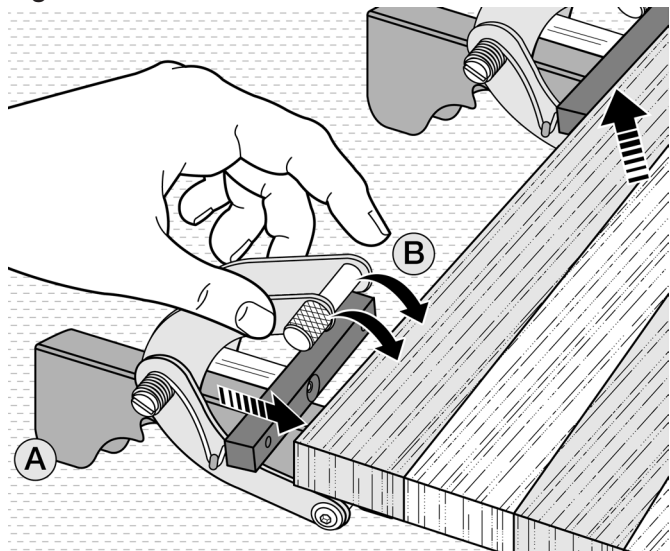
Fit a Tailstock Assembly (B) onto each bottom Rail. Set the pin one or two notches larger than the final panel width.

⚠ WARNING



Risk of personal injury. Pinch hazard: Always keep hands and fingers outside the clamping area when tightening Clamps. Be careful to keep hands and fingers from getting caught between notches and other parts of Clamp when adjusting Clamp capacity.

Figure 4



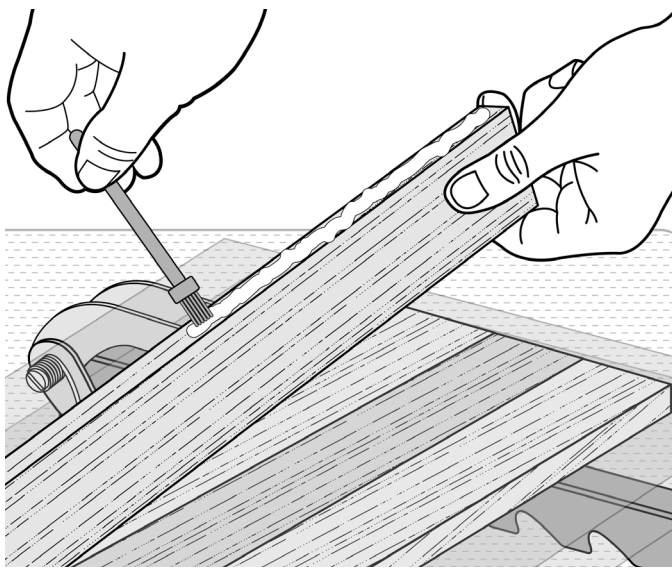
CREATE PANEL LAYOUT

- Layout prepared (cut to length and sanded) wood planks in an appealing pattern. Once pattern has been decided, transfer planks onto inverted Rails.
- Place planks onto bottom Rails (A). The width of the project should fit in between the Headstock Assemblies (C) and Tailstock Assemblies (B). Adjust Tailstock Assemblies in or out as needed to fit the planks within the Panel Clamp's range.
- Apply glue to edges of each board. Position for clamping.

NOTE: Small discrepancies at joined edges are normal; Gently tap the boards with a dead-blow mallet to bring joints flush.

NOTE: Use wax paper on both sides of panel layout to prevent glue from getting on the clamps and sticking to the workpieces.

Figure 5

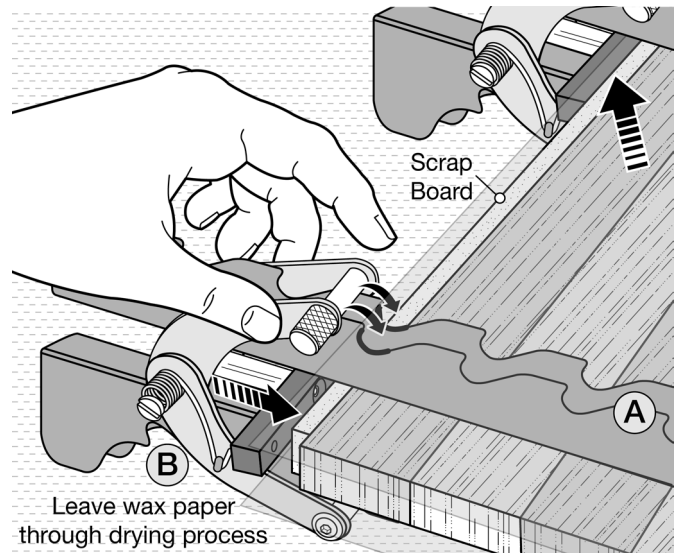


ATTACH TOP RAILS

- Working on one clamp at a time, place top Rail (A) with notches facing up and teeth toward user.
- Lift top arm of each Headstock Assembly (C) and begin sliding the Rail through the Headstock toward the Tailstock Assembly (B). Lift top arm of Tailstock Assembly and slide Rail until Headstock Assembly locks into U-shaped notch. Allow pin of top arm of the Tailstock Assembly to fit into corresponding notch of bottom Rail.

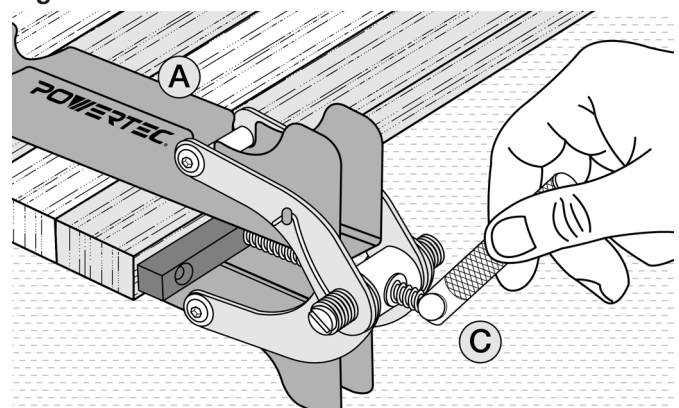
NOTE: The clamping blocks on Headstock Assemblies and Tailstock Assemblies are steel, which may leave minimal markings on boards. To eliminate markings, use scrap boards between the clamps and actual panel boards.

Figure 6



- Verify that all Headstock Assemblies (C) and Tailstock Assemblies (B) are locked in corresponding slots in the top and bottom Rails (A).
- Make sure the front clamping block is straight. Turn adjustable handle on each Headstock Assembly (C) to apply 4-way clamping pressure to planks. Ensure joints remain flush as pressure is increased.

Figure 7



IMPORTANT:

For best results, it is crucial for top and bottom pins of Tailstock jaw assembly be positioned in corresponding notches of top and bottom rails. For example—if top Tailstock pins are in the third slot from back of Clamp on the top rail—then bottom pins must be in the third slot from back of Clamp in bottom rail—thus keeping rails aligned and ensuring pressure is equally delivered vertically and horizontally at right angles.

- Once glue has dried— loosen the adjustable handle on Headstock Assembly (C) to remove the panel.

MOUNT STORAGE WALL BRACKET

⚠ WARNING

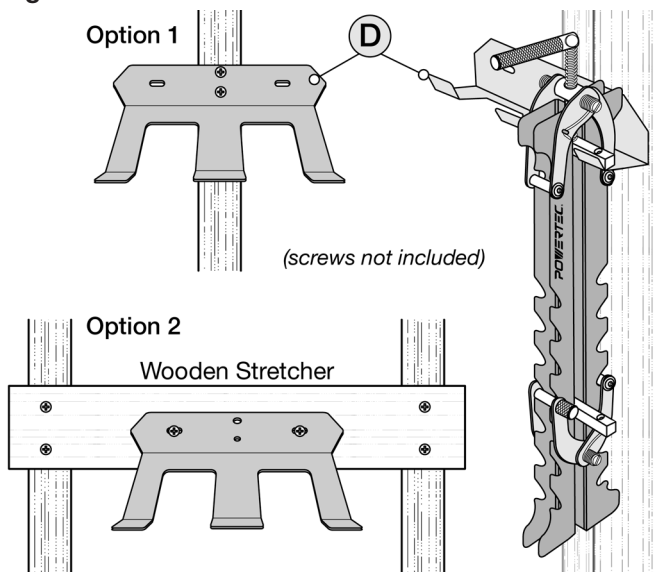
If being mounted to a wall, the Woodworking 4-way Pressure Panel Clamp **MUST** be secured with at least two screws (not included)—at least one of these must be a #10 x 2-1/2" screw driven into a structurally sound solid wood stud. If the second screw will not go into a stud, make sure to use a wall anchor or toggle bolt rated to hold at least 25 lbs.

- Use a stud finder to locate a wooden wall stud. Mark center of stud.
- **OPTION 1:** If mounting using the center set of holes on the Storage Bracket (D), use a level to ensure center line is plumb. Hold Storage Bracket to the line—mark drilling locations for pilot holes on that vertical line. Drill 1/8" diameter pilot holes.
- **OPTION 2:** Mounting using the outside slots may require a wooden stretcher board from stud to stud. First mark pilot hole location at the center of the stud or center of stretcher board—use a level to extend a horizontal line. Hold Storage Bracket to the line—mark drilling locations for pilot holes on that horizontal line. Drill 1/8" diameter pilot holes.

NOTE: Stretcher should span the standard 16" stud spacing. Minimum width is 3.5" (standard 2x4).

- Attach Storage Bracket (D) with at least two screws (not included).

Figure 8



GENERAL MAINTENANCE

⚠ WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

⚠ WARNING

Keep the Woodworking 4-way Pressure Panel Clamp dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products or any strong solvent to clean the Woodworking 4-way Pressure Panel Clamp. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Visit us on the web at www.powertecproducts.com



Put these instructions and the original sales invoice in a safe, dry place for future reference.

Southern Technologies, LLC • Chicago, IL 60606