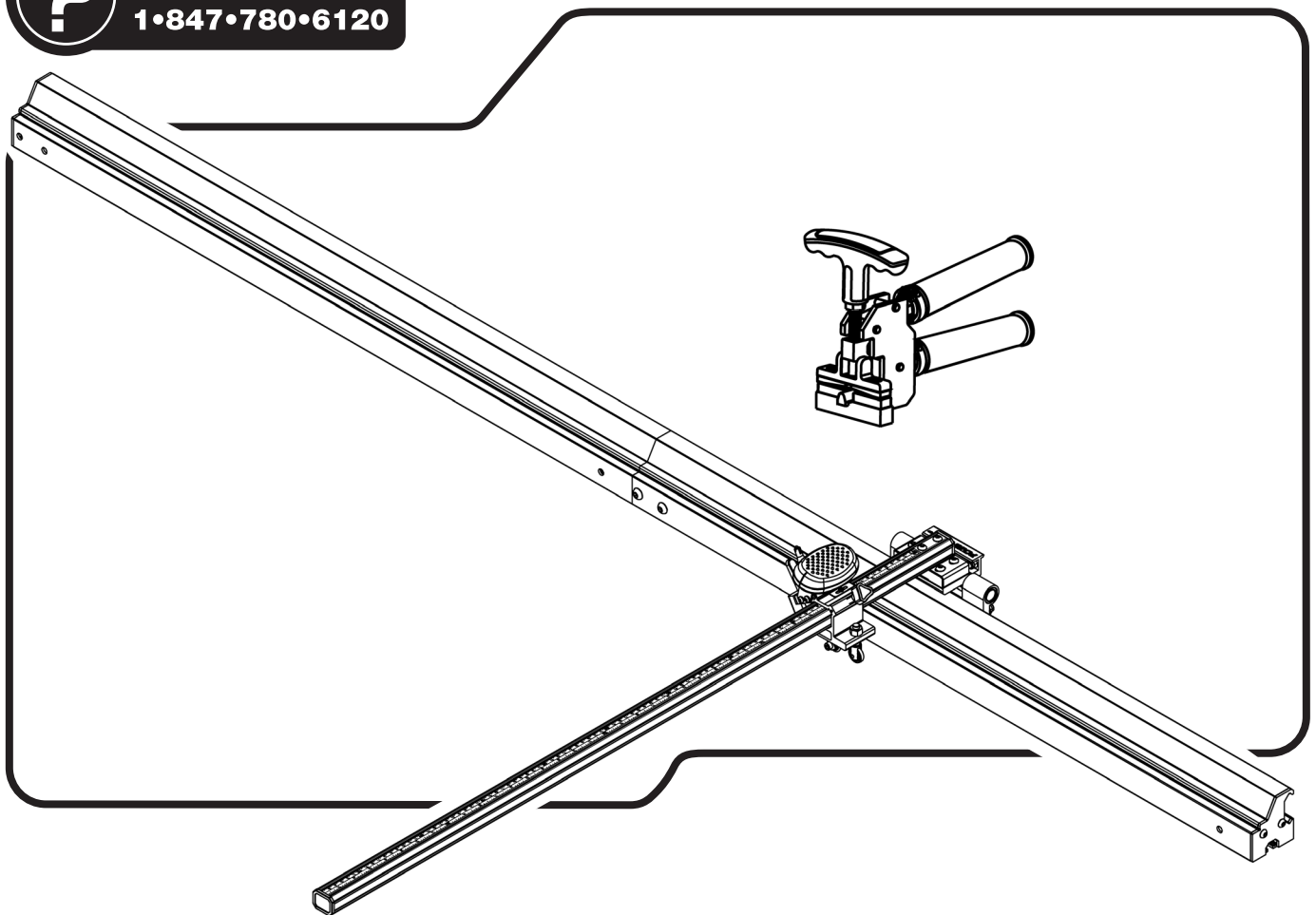


Owner's Manual

POWERTEC PRO™

Manual Cutter Kit for Large Format Tile



Visit us on the web at www.powertecproducts.com



You will need this manual for safety instructions, operating procedures, and warranty. Put it and the original sales invoice in a safe, dry place for future reference.

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MAINTENANCE

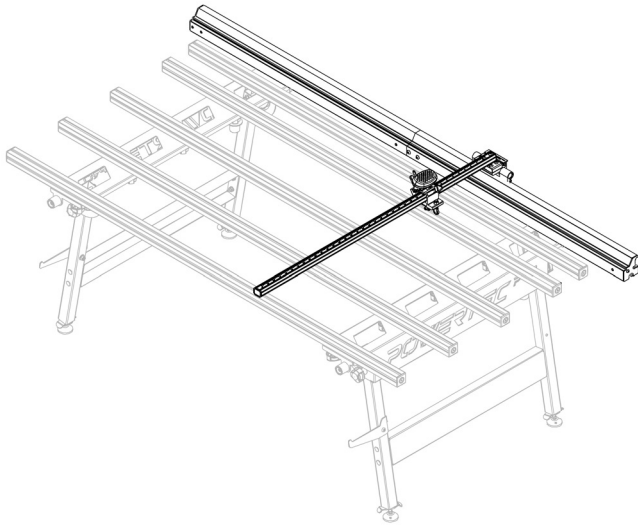
7



WARRANTY

8

This product is designed to be used with the **POWERTEC PRO 71984 Worktable** (sold separately).

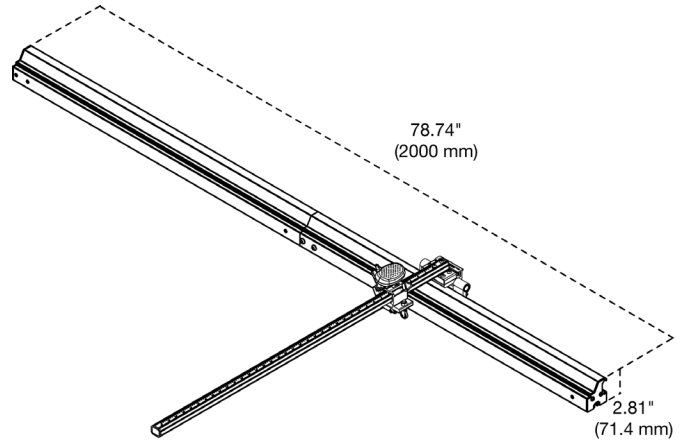


PRODUCT SPECIFICATIONS

Length (two rails)..... 78.74" (2000 mm)

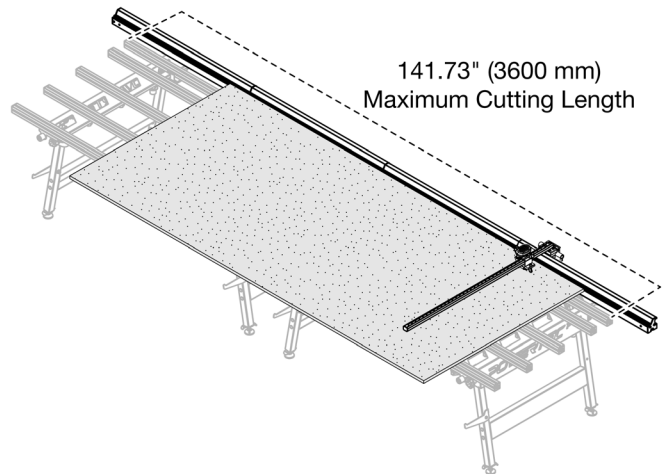
Height..... .2.81" (71.4 mm)

Length and Height Dimensions

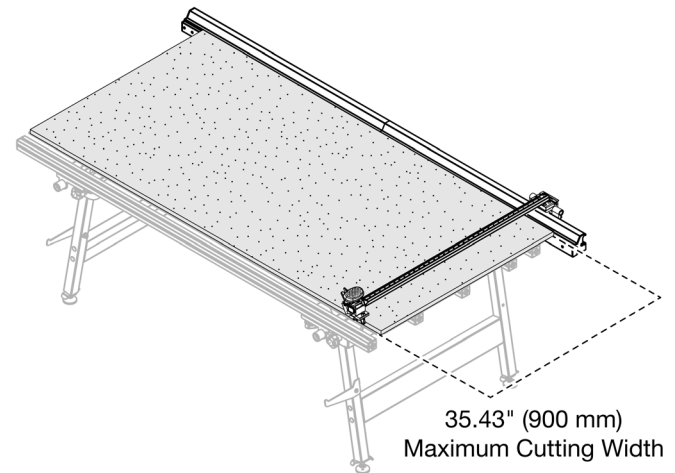


Maximum Cutting Length

(Extended Workspace with 2 worktables assembled)



Maximum Cutting Width





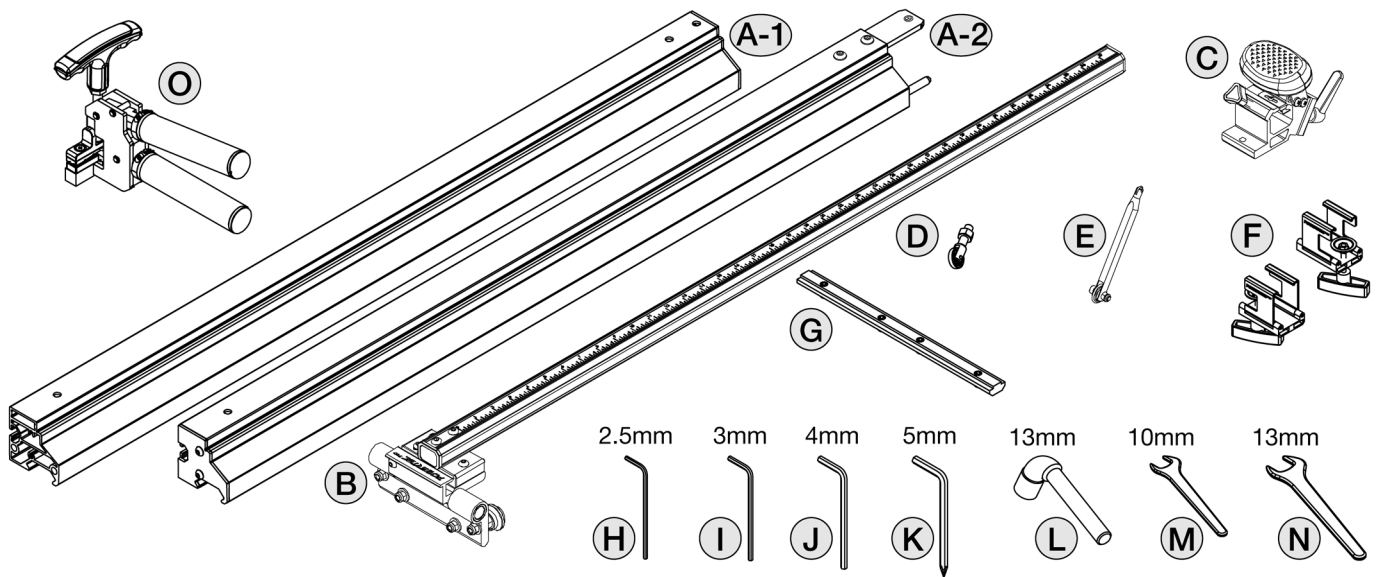
UNPACKING Refer to Figure 1

The Large Format Tile Cutter is shipped in one carton. Contact the customer service center (1-847-780-6120) if any parts are missing. Carefully unpack all loose items from shipping carton and make sure all parts are accounted for.

ITEM	DESCRIPTION	QTY
A-1	Slide Rail	1
A-2	Slide Rail (with inserts)	1
B	Guide Ruler	1
C	Carriage Assembly	1
D	Auxiliary Wheel	1
E	Scoring Wheel Assembly (10mm & 22mm)	1

ITEM	DESCRIPTION	QTY
F	Hooking Clamp	2
G	T-connector	1
H	2.5mm Hex Wrench	1
I	3mm Hex Wrench	1
J	4mm Hex Wrench	1
K	5mm Hex Wrench/Cross Screwdriver	1
L	13mm L-type Socket Wrench	1
M	10mm Open Wrench	1
N	13mm Open Wrench	1
O	Tile Breaker	1
P	Carry Bag (not shown)	1

Figure 1



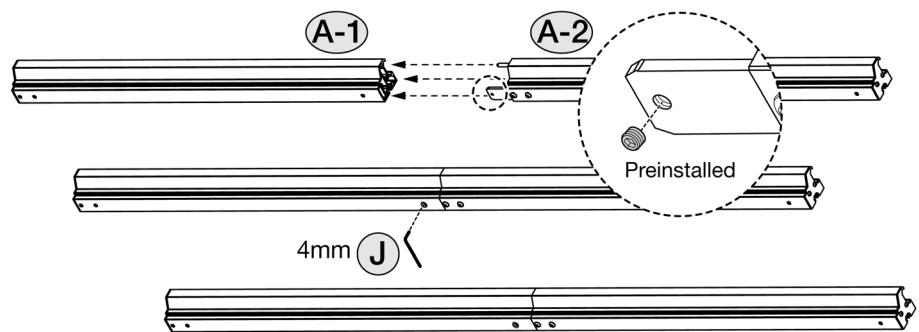
ASSEMBLY



Slide Rail Assembly:

- Align Slide Rails (A-2) to (A-1). Slide the inserts pre-assembled on (A-2) into the slots of (A-1).
- When the two Slide Rails are tightly joined, use 4mm Hex Wrench (J) and turn the 3rd set screw (preinstalled) clockwise to secure the connection of the 2 Slide Rails.

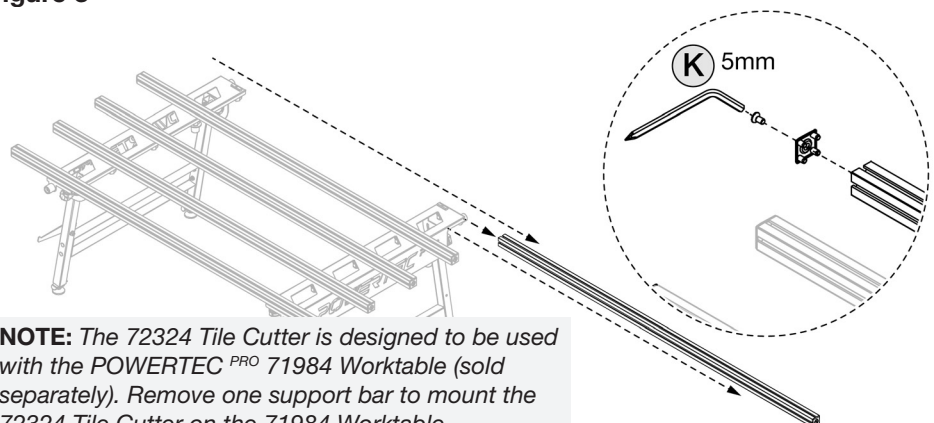
Figure 2



Remove One Support Bar:

- Use 5mm Spud Hex Wrench (K) to remove bolt and end cap located at one end of the outermost support bar on the worktable.
- From the bottom of worktable, loosen (but not remove) two locking knobs, then carefully extract support bar.
- Replace the end cap on the 5th support bar, and secure with the bolt using the 5mm Hex Wrench (K).

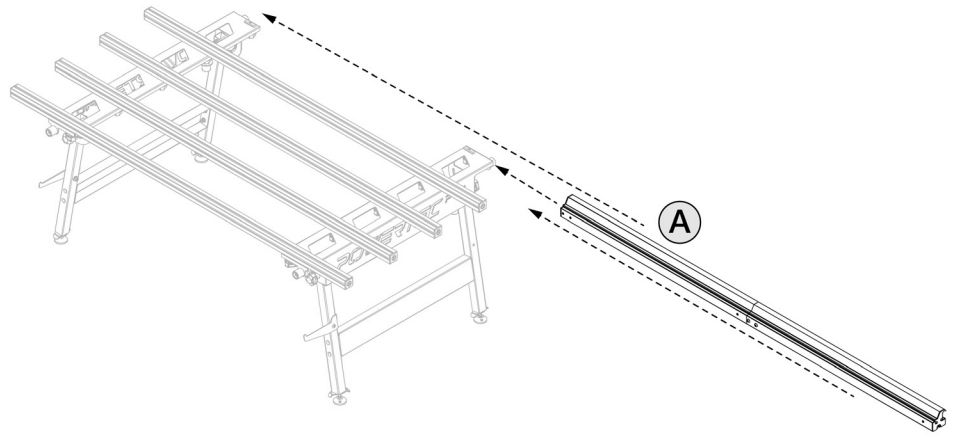
Figure 3



NOTE: The 72324 Tile Cutter is designed to be used with the POWERTEC PRO 71984 Worktable (sold separately). Remove one support bar to mount the 72324 Tile Cutter on the 71984 Worktable.

Insert Slide Rail Assembly:

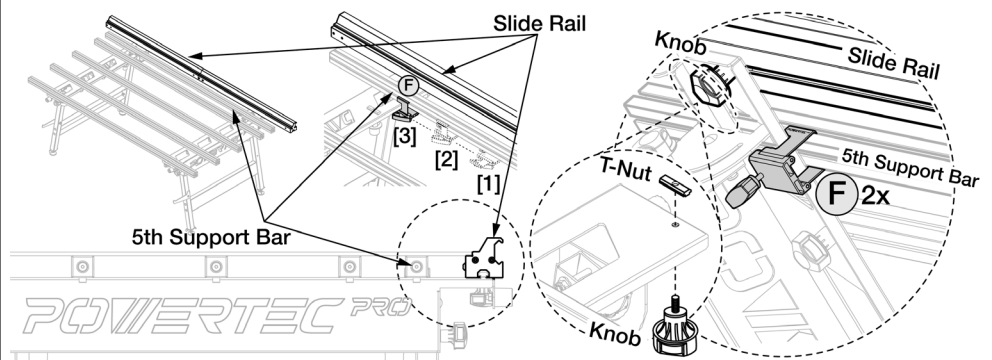
- Slide the rail assembly through the T-nuts at the end of the locking knobs which are through the leg assembly cross plates, and center the rail assembly on the worktable.
- Securely tighten two locking knobs under the leg assembly cross plates.
- The slide rail assembly will be about 3.9" (10 cm) longer than the support bars on each side.

Figure 4

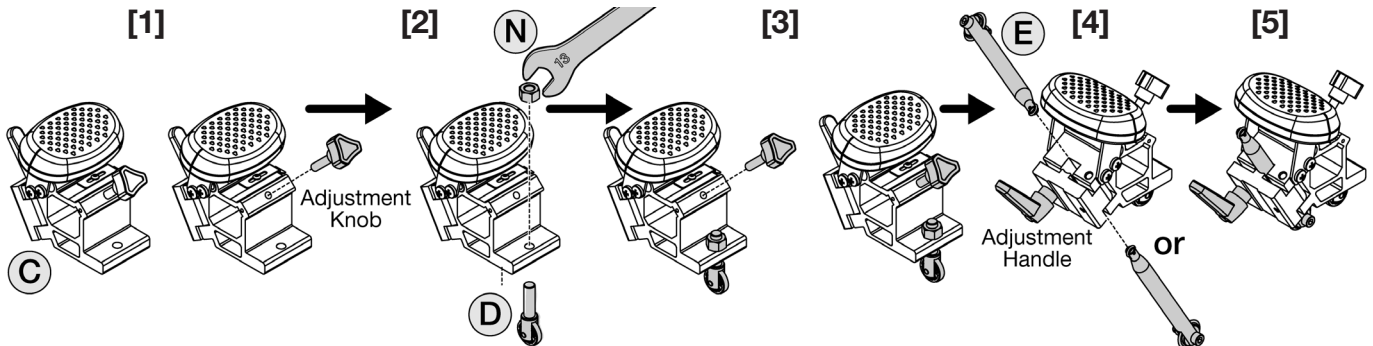
NOTE: To support a large format tile while scoring, reinstall the 5th support bar.

- Place the 5th support bar on the worktable, positioned underneath the scoring path.
- Extend Hooking Clamps (F), and hang on the slots on both sides of 5th support bar. Move Hooking Clamp outward and hook onto leg assembly cross plate.
- Repeat on other side.

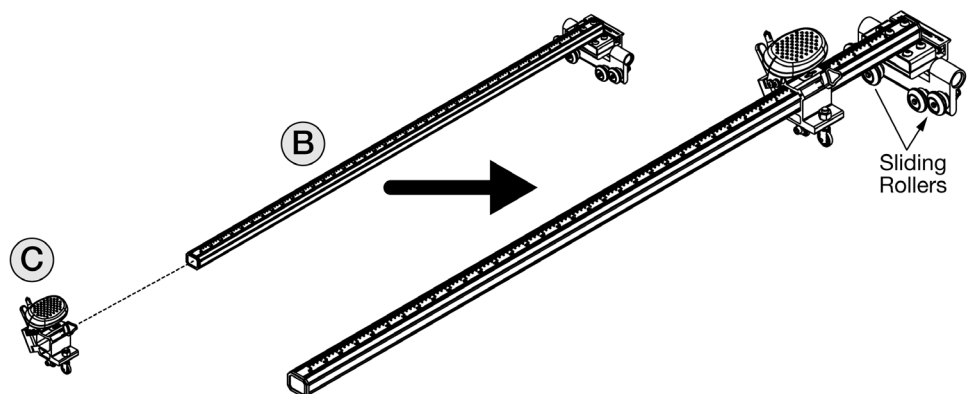
NOTE: Hooking Clamps (F) should face opposite of each other.

Figure 5**Carriage Assembly:**

- [1] Remove Adjustment Knob
- [2] Attach Auxiliary Wheel (D) using 13mm Wrench (N)
- [3] Reinsert Adjustment Knob (do not tighten)
- [4] Rotate Carriage Assembly—turn Adjustment Handle counterclockwise to loosen—insert Scoring Wheel Assembly (E) in one of two positions
- [5] Turn Adjustment Handle clockwise to secure Scoring Wheel Assembly

Figure 6**Mount Carriage Assembly (C) onto Guide Ruler (B):**

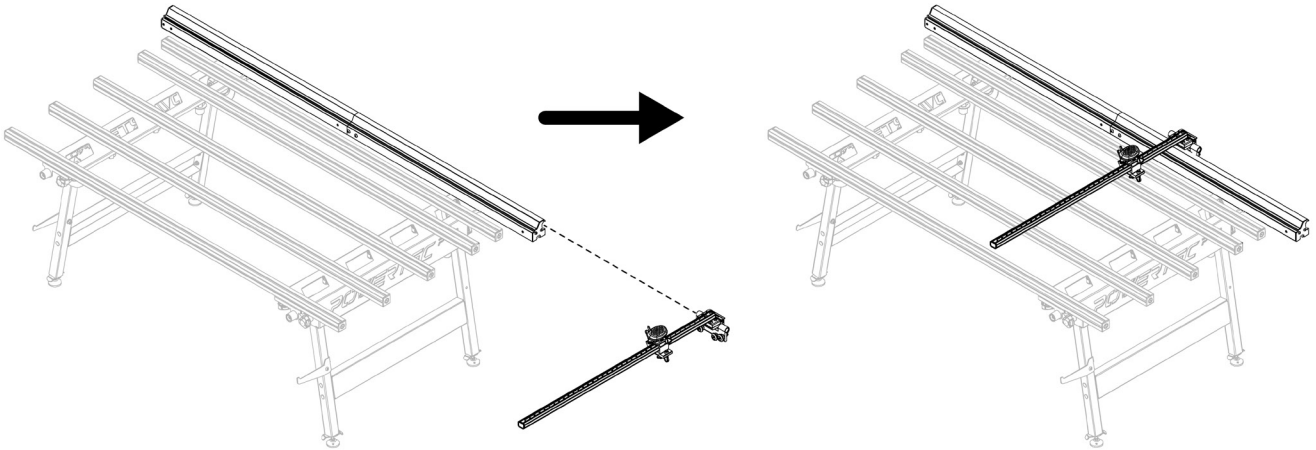
- Slide Carriage Assembly (C) onto Guide Ruler (B). Tighten the Adjustment knob to securely fasten the Carriage Assembly in place.
- Ensure the pointer is oriented toward the sliding rollers.

Figure 7

Mount Guide Ruler with Carriage Assembly on Slide Rail Assembly:

Slide the rollers of Guide Ruler in the slot of slide rail assembly. Ensure the Guide Ruler with Carriage Assembly moves freely.

Figure 8



5

OPERATION

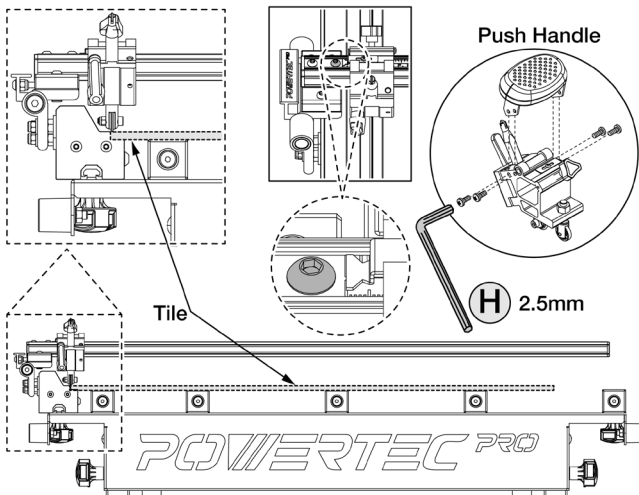


5

CALIBRATE THE SCORE LINE (Figure 9)

- Place tile tightly against Slide Rail.
- Use 2.5mm Hex Wrench (H) to remove the Push Handle.
- Move the Carriage Assembly and align the tip of scoring wheel to the edge of the tile against the slide rail.
- Loosen pointer screw using the cross screwdriver end of 5mm Wrench (K). Align pointer to zero mark on Guide Ruler, and tighten the screw.
- Replace the Push Handle and secure with the bolts using 2.5mm Hex Wrench (H).

Figure 9

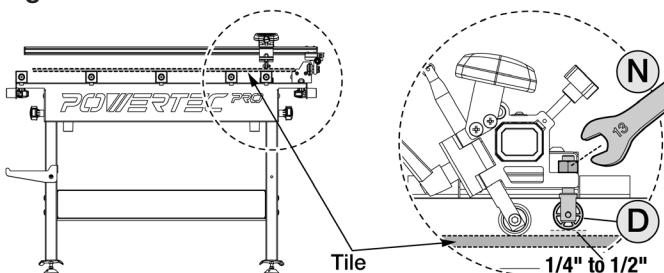


SET AUXILIARY WHEEL HEIGHT

Before operating, set Auxiliary Wheel height 1/4" to 1/2" from tile surface.

- Loosen nut of Auxiliary Wheel (D) using 13mm Wrench (N).
- Adjust Auxiliary Wheel height 1/4" to 1/2" from tile surface.
- Tighten nut of Auxiliary Wheel to set height.

Figure 10

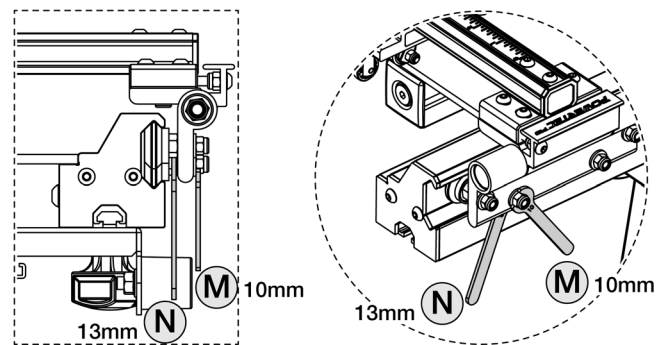


ADJUST ROLLER TENSION

Use 10mm (M) and 13mm (N) wrenches to adjust the tension of the rollers, for smooth and straight sliding.

Note: Roller tension is set at the factory. Adjust the roller tension if necessary.

Figure 11

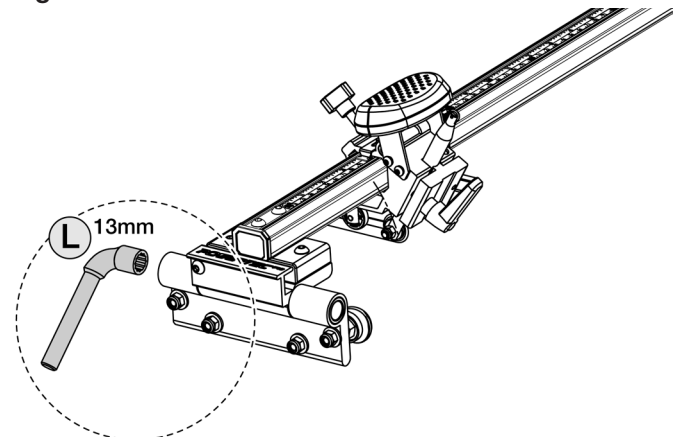


ADJUST GUIDE RULER TENSION

- Remove end cap.
- Use 13mm L-type Socket Wrench (L) to adjust guide ruler tension.
- Replace end cap.

Note: Guide Ruler tension is set at the factory. Adjust as needed.

Figure 12



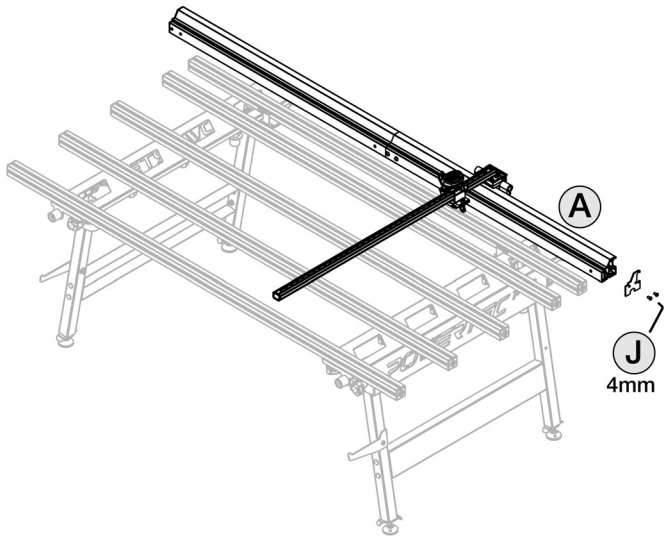
5

EXTENDING THE WORKSPACE

NOTE: To extend the workspace or support longer materials, combine two worktables. Ensure the connection is secure and the working surface is level.

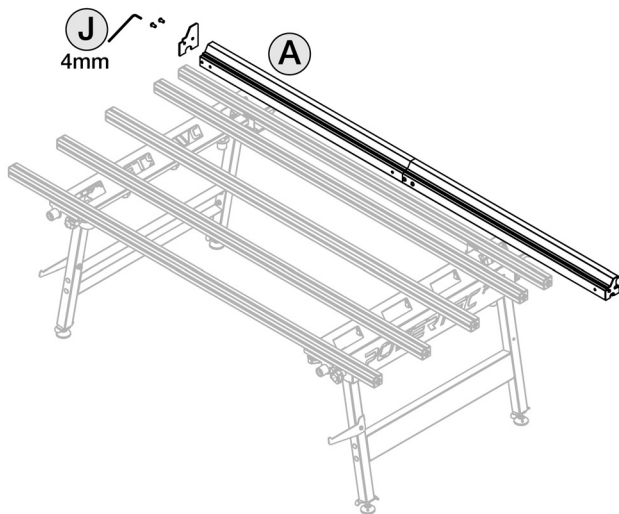
- From 1st worktable, use 4mm Hex Wrench (J) to remove rail end cap from right side (joint side) of Rail (A).

Figure 13



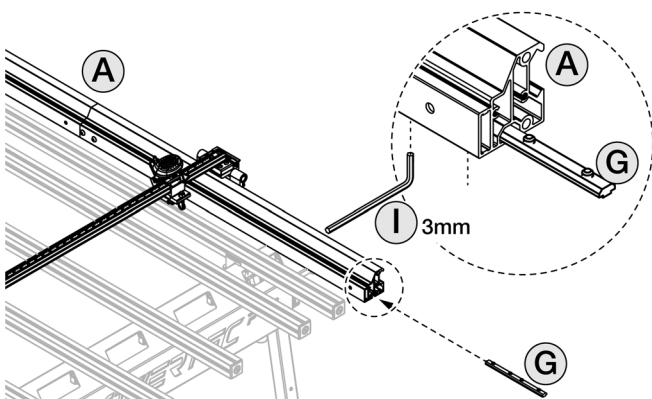
- From 2nd worktable, use 4mm Hex Wrench (J) to remove rail end cap from left side (joint side) of Rail (A).

Figure 14



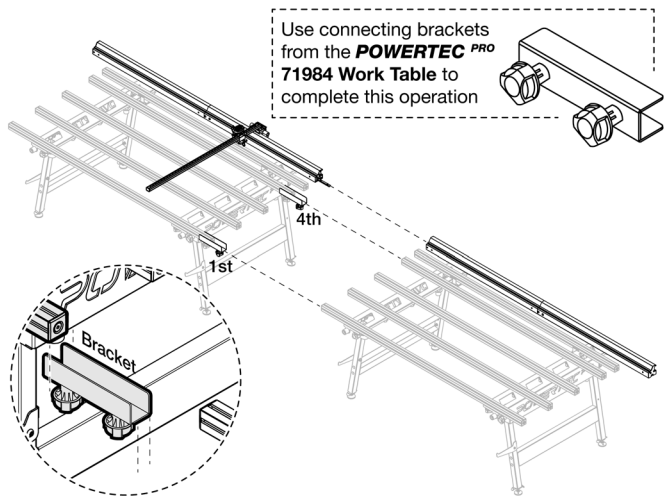
- Insert T-connector (G) into groove on bottom of Rail (A) pushing it in half the length of the T-Connector.
- Slightly tighten set screws of T-connector (G), at the side inserted, with 3mm Hex Wrench (I). Leave slack to allow for adjustment.

Figure 15



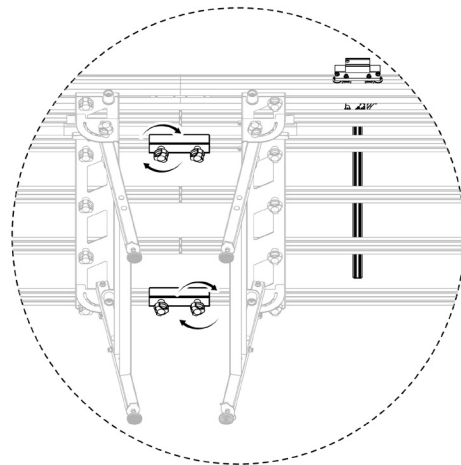
- Adjust both worktables to the same height.
- Install two connecting brackets from the **POWERTEC PRO 71984 Worktable** (sold separately) to the 1st and 4th support bars of the worktable. Do not tighten at this time.
- Align the rails. Once properly aligned, use 3mm Hex Wrench (I) to tighten set screws of T-connector (G) and secure the connection.

Figure 16



- Tighten both connecting brackets from beneath the support bar assemblies.
- Ensure all connections and components are firmly secured and stable before use.

Figure 17



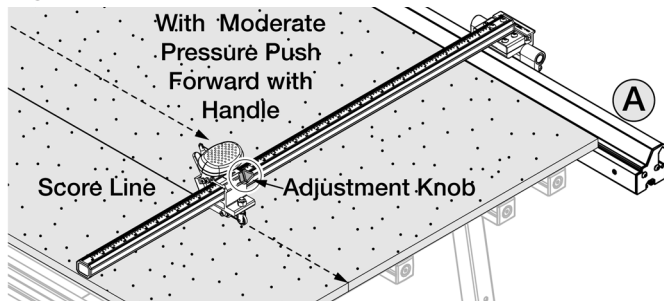
SCORING THE TILE (See Figure 18)

- Place tile on workbench tightly against Slide Rail (A).

NOTE: Make sure the tile is properly supported. Improper bottom support will affect the score line consistency and cause excessive tile breakage when using the tile breaker.

- For best results, and to verify the dimension:** determine width of cut—measure and mark the tile.
- Loosen Adjustment Knob. Move Carriage Assembly and align tip of scoring wheel with the mark. Verify scale on Guide Ruler ensuring pointer is aligned with desired width of cut. Calibrate the pointer if needed.
- When verified—tighten Adjustment Knob.
- Pull Carriage Assembly with Guide Ruler backward and gently score a short line as a starting point with the Scoring Wheel.
- Using moderate and consistent pressure, move Carriage Assembly and Guide Ruler forward at the same pace while scoring a continuous straight line on the surface of the tile. If the movement is not continuous, it will not score properly for the tile to snap.

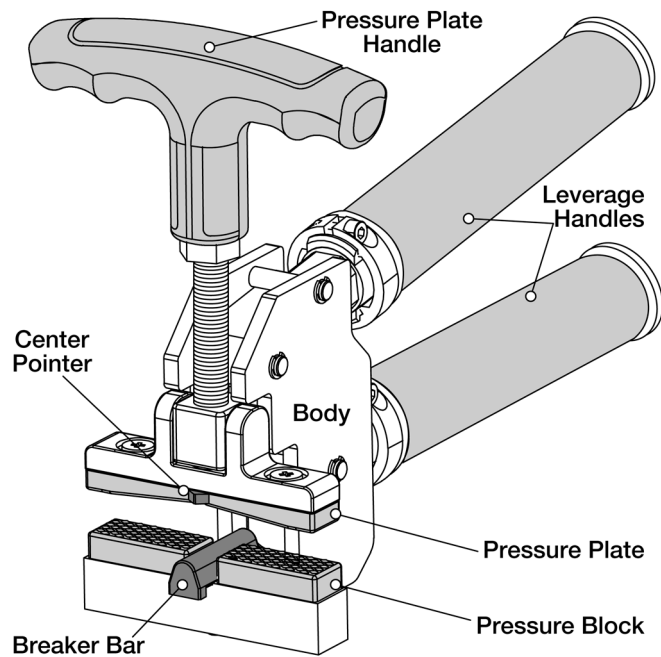
Figure 18



TILE BREAKER (O)

The 72324 Tile Cutter Kit includes **POWERTEC^{PRO} 71987** Tile Breaker, which snaps tile up to 1/2" (12.7mm) thick.

Figure 19 OPERATIONAL FEATURES

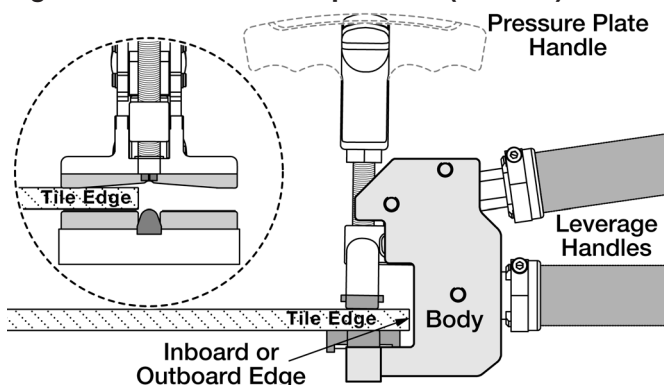


SET WORKING DISTANCE OF TILE BREAKER

IMPORTANT: Set Pressure Plate and Pressure Block at the tile's edge. **DO NOT** place the Breaker Bar under the tile when setting working distance according to tile thickness.

- Fully squeeze the Leverage Handles and turn Pressure Plate Handle counterclockwise until jaws open, allowing tile to be placed between the Pressure Plate and Pressure Block.
- While continuing to squeeze the Leverage Handles—turn Pressure Plate Handle clockwise until Pressure Plate and Pressure Block touch the tile.
- Release Leverage Handles—remove Tile Breaker from tile—Working distance is now set to tile thickness.

Figure 20 For Tiles up to 1/2" (12.7mm) Thick

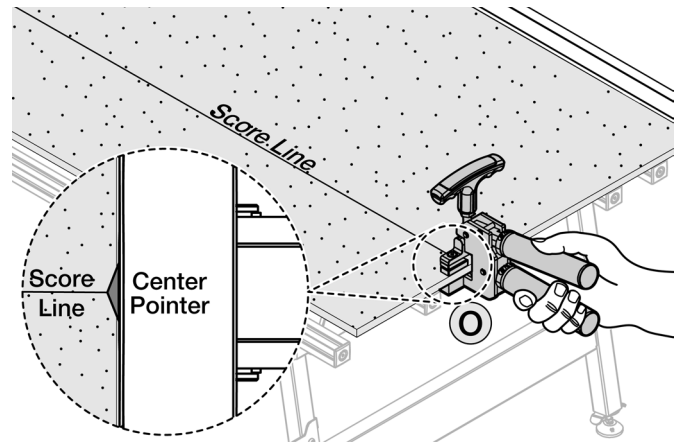


SNAP THE TILE WITH THE TILE BREAKER

IMPORTANT: Before snapping the tile with the Tile Breaker, remove Guide Ruler with Carriage Assembly from the Slide Rail Assembly.

- Position Tile Breaker onto tile with Pressure Plate placed above and Pressure Block placed below the tile.
- Align Center Pointer on Tile Breaker with the score line—firmly squeeze Leverage Handles together to snap the tile.
- If the break does not continue to the other end of the tile, repeat the process at each end of the tile until the break is complete.

Figure 21



NOTE: Make sure the Center Pointer is aligned with the score line. This ensures pressure is applied evenly and directly over the score line, for a clean and precise snap.

For hard to cut tile, it is important to work the Tile Breaker at both ends of the score line. **DO NOT** try to force the break from one end of the tile or uneven breakage may occur.



7

MAINTENANCE



7

WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

WARNING

Keep the Tile Cutter Kit 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 Tile Cutter Kit. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.



7



WARRANTY

Thank you for investing in a **POWERTEC PRO™** power tool. This product has been designed and manufactured to meet high quality standards and is guaranteed for domestic use against defects in workmanship or material for a period of 12 months from the date of purchase. This guarantee does not affect your statutory rights.

SOUTHERN TECHNOLOGIES LLC. BENCH TOP AND STATIONARY POWER TOOL LIMITED 1 YEAR WARRANTY AND 30-DAY SATISFACTION GUARANTEE POLICY

POWERTEC PRO products are designed and manufactured by **Southern Technologies LLC**. All warranty communications should be directed to **Southern Technologies LLC** by calling 847-780-6120 (toll free), 9 AM to 5 PM, Monday through Friday, US Pacific Time.

30- DAY SATISFACTION GUARANTEE POLICY

During the first 30 days after the date of purchase, if you are dissatisfied with the performance of this **POWERTEC PRO** tool for any reason, you may return the tool to the retailer from which it was purchased for a full refund or exchange. You must present proof of purchase and return all original equipment packaged with the original product. The replacement tool will be covered by the limited warranty for the balance of the one year warranty period.

LIMITED ONE YEAR WARRANTY

This warranty covers all defects in workmanship or materials in this **POWERTEC PRO** tool for a one year period from the date of purchase. This warranty is specific to this tool. **Southern Technologies, LLC** reserves the right to repair or replace the defective tool, at its discretion.

HOW TO OBTAIN SERVICE

To obtain service for this **POWERTEC PRO** tool you must return it, freight prepaid, to **POWERTEC PRO**. You may call (toll free) 847-780-6120 for more information. When requesting warranty service, you must present the proof of purchase documentation, which includes a date of purchase. **POWERTEC PRO** will either repair or replace any defective part, at our option at no charge to you. The repaired or replacement unit will be covered by the same limited warranty for the balance of one year warranty period.

WHAT IS NOT COVERED

This warranty applies to the original purchaser at retailer and may not be transferred.

This warranty does not cover consumable items such as saw blades, knives, belts, discs, cooling blocks, and sleeves. This warranty does not cover required service and part replacement resulting from normal wear and tear, including accessory wear.

This warranty does not cover any malfunction, failure or defect resulting from:

- 1) Misuse, abuse, neglect and mishandling not in accordance with the owner's manual.
- 2) Damage due to accidents, natural disasters, power outage, or power overload.
- 3) Commercial or rental use.
- 4) Alteration, modification or repair performed by persons not recommended by **POWERTEC PRO**.

DISCLAIMER

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, that cannot be disclaimed under state law are limited to one year from the date of purchase. **Southern Technologies LLC**. is not responsible for direct, indirect, incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Southern Technologies LLC., makes no warranties, representations, or promises as to the quality or performance of its power tools other than those specifically stated in this warranty.

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