

POWERTEC 71118

POWERTEC 71118 24-Inch Universal Double-Cut Profile T-Track Instruction Manual

Model: 71118

1. INTRODUCTION

The POWERTEC 71118 Universal Double-Cut Profile T-Tracks are designed to enhance your woodworking projects by providing versatile worktable configurations. These T-tracks are suitable for jigs, fixtures, drill press tables, router tables, and workbenches. Constructed from high-quality extruded anodized 6463 aluminum, they offer durability, corrosion resistance, and a lightweight design.

2. KEY FEATURES

- **Double-Cut Profile:** Features a unique double-cut profile with an inside groove that accepts standard 1/4-inch hex bolts, 1/4-inch T-bolts, and 5/16-inch T-bolts, ensuring hardware versatility.
- **Durable Construction:** Made from extruded anodized 6463 aluminum for impressive strength-to-weight ratio, corrosion resistance, and superior resilience.
- **Pre-drilled Mounting Holes:** Each track is equipped with pre-drilled mounting holes for straightforward installation.
- **Dimensions:** Individual T-track measures 3/4-inch x 3/8-inch x 24-inch, allowing for easy and solid embedding without compromising surface integrity.
- **Versatile Application:** Ideal for building or tailoring machine tables, jigs, and fixtures.

3. SPECIFICATIONS

Attribute	Detail
Manufacturer	POWERTEC
Part Number	71118
Item Weight	10.9 ounces
Product Dimensions	24 x 1 x 0.5 inches
Item Model Number	71118
Size	24" T track (2PK)
Color	Anodized Blue
Material	Aluminum
Installation Method	Screw-In
Number Of Pieces	2

4. SETUP AND INSTALLATION

The POWERTEC Universal T-Tracks are designed for easy integration into your woodworking setup. They can be embedded into a workstation board or attached directly onto a tabletop.

4.1. Preparing the Mounting Surface

Ensure your workstation board or tabletop has a flat, stable surface. If embedding the T-track, route a groove that matches the dimensions of the T-track (3/4-inch wide by 3/8-inch deep). For optimal stability, a minimum table thickness of 1 inch is recommended to provide sufficient material for screw engagement.

4.2. Cutting the T-Track (If Necessary)

The aluminum T-track can be cut to your desired length using a standard carbide blade on a miter saw. Measure carefully before cutting to ensure an accurate fit for your application.

4.3. Mounting the T-Track

1. Position the T-track in the routed groove or on the surface where it will be installed.
2. Align the pre-drilled mounting holes with the surface.
3. Secure the T-track using #6 wood screws (not included). Ensure the screws are appropriate length for your material thickness to prevent damage.

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Holes : 6

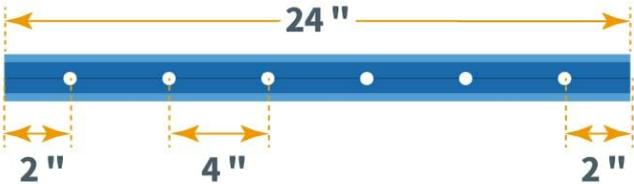
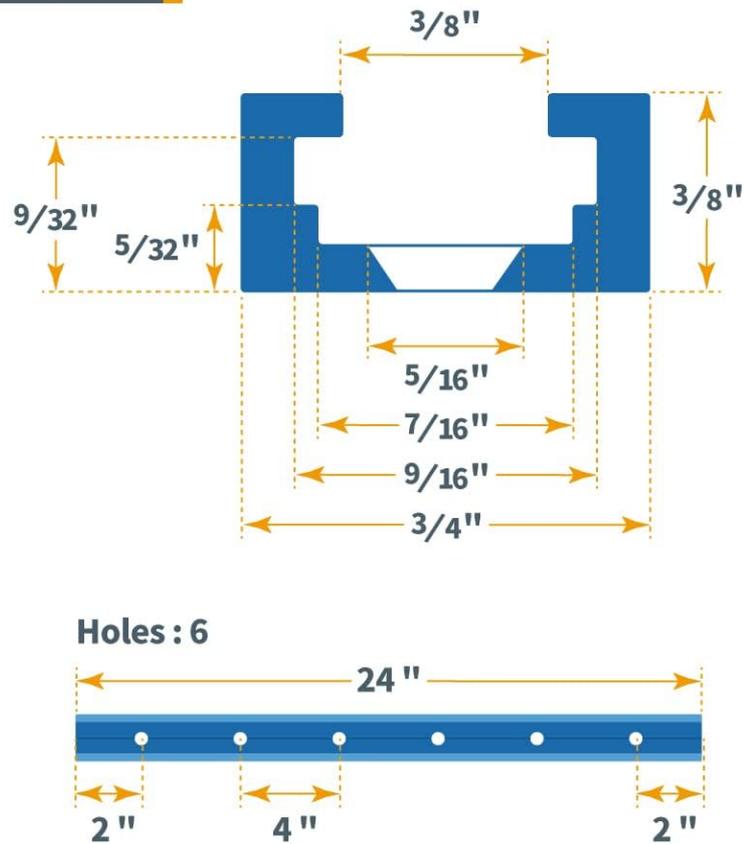


Image: POWERTEC 24-inch Universal T-Track showing pre-drilled mounting holes and overall profile.

Dimension



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Image: Detailed dimensions of the POWERTEC Universal T-Track, including width, height, and hole spacing.

5. OPERATION AND USAGE

The Universal T-Track provides a secure and adjustable system for various woodworking applications. Its double-cut profile allows for flexibility in hardware choice.

5.1. Compatible Hardware

The T-track is designed to accept three common types of hardware:

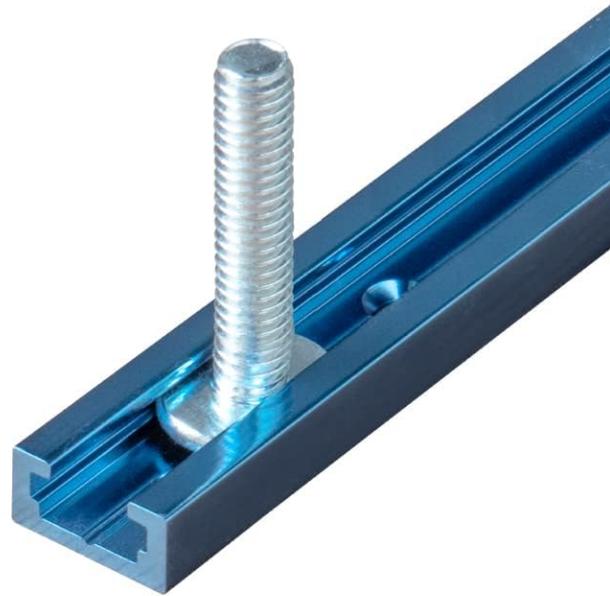
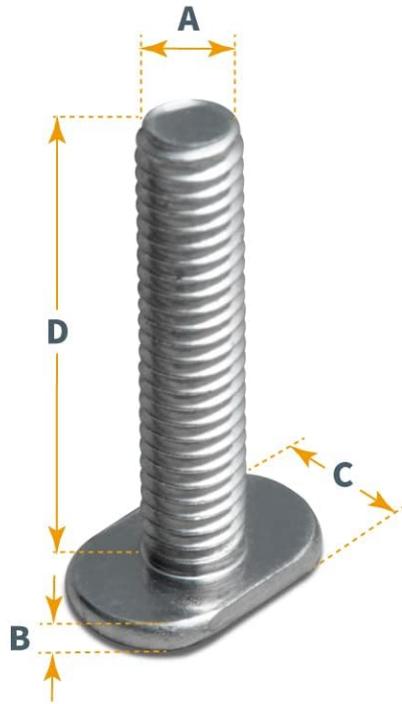
- 1/4-inch Hex Bolts
- 1/4-inch T-Bolts
- 5/16-inch T-Bolts



T Bolt

QTB1001	A 5/16"-18 UNC	D 1"
QTB1002	B 3/32"	D 2-1/2"
QTB1003	C 17/32"	D 3-1/2"
QTB1007	C 17/32"	D 1-1/2"

QTB1004	A 1/4"-20 UNC	D 1"
QTB1005	B 3/32"	D 2-1/2"
QTB1006	B 3/32"	D 3-1/2"
QTB1008	C 17/32"	D 1-1/2"

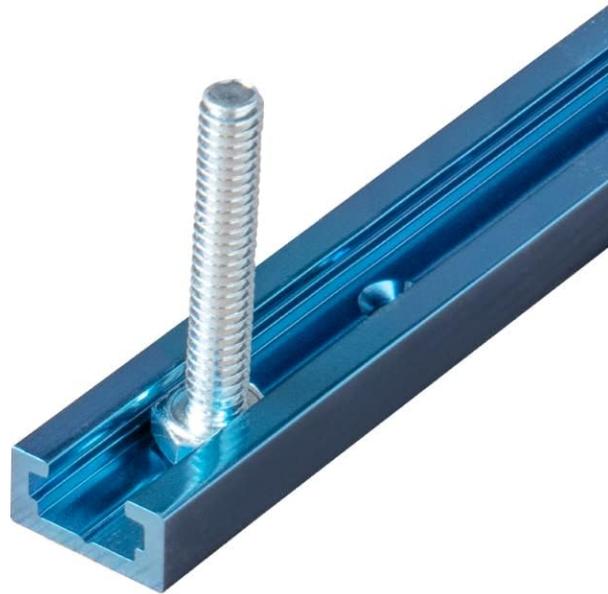
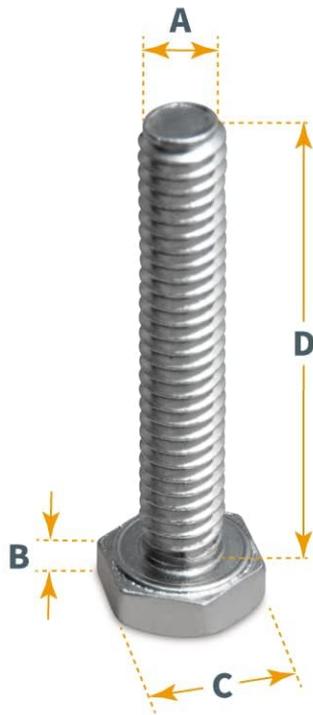


Uses standard 1/4" T bolts or 5/16" T bolts

Image: Illustration showing how 5/16-inch T-bolts and 1/4-inch T-bolts fit into the Universal T-Track.



1/4" hex heads	71068	A 1/4"-20	D 1-1/2"
	71154	B 11/64"	D 2 "
	71070	C 7/16"	D 3 "



Uses standard 1/4" hex heads

Image: Illustration showing how 1/4-inch hex bolts fit into the Universal T-Track.

5.2. Creating Jigs and Fixtures

Utilize the T-tracks to secure workpieces, featherboards, clamps, and other accessories. The ability to slide and lock various components allows for precise and repeatable operations in routing, drilling, and sanding tasks.



T-Bolts & Knobs NOT Included

Image: Example of the T-track in use with T-bolts and knobs to secure a workpiece. Note: T-bolts & Knobs NOT INCLUDED.



Image: A POWERTEC Universal T-Track integrated into a workbench, securing a workpiece with a clamp for sanding.

5.3. Product Videos

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Video: An overview of POWERTEC Universal T-Tracks, demonstrating their features and applications in woodworking setups.

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Video: A short demonstration of the POWERTEC Double-Cut Profile Universal T-track in various woodworking applications, highlighting its versatility.

6. MAINTENANCE

To ensure the longevity and smooth operation of your POWERTEC T-tracks, follow these simple

maintenance guidelines:

- **Cleaning:** Regularly clean the T-track grooves to remove sawdust, debris, and any accumulated grime. A dry brush or compressed air can be used. For stubborn residue, a damp cloth with mild soap can be used, followed by thorough drying.
- **Lubrication:** While not strictly necessary for aluminum, a light application of dry lubricant (e.g., silicone spray) can help ensure smooth sliding of bolts and accessories, especially in high-use environments.
- **Inspection:** Periodically inspect the T-tracks for any signs of damage, bending, or excessive wear. Ensure all mounting screws remain tight.

7. TROUBLESHOOTING

7.1. Hardware Not Fitting

- **Issue:** T-bolts or hex bolts do not slide smoothly or fit into the track.
- **Solution:** Verify that you are using compatible hardware sizes (1/4-inch hex bolts, 1/4-inch T-bolts, or 5/16-inch T-bolts). Ensure the track is free of debris or obstructions.

7.2. Loose T-Track

- **Issue:** The T-track feels loose or shifts during use.
- **Solution:** Check and tighten all mounting screws. If the screws are stripped, consider using slightly larger screws or relocating the T-track if possible. Ensure the routed groove (if applicable) is snug and provides adequate support.

8. SUPPORT

For further assistance, product inquiries, or to explore additional POWERTEC accessories, please visit the official POWERTEC website or contact their customer support.

POWERTEC is committed to providing high-quality woodworking tools and accessories.