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## BOSCH T5002

# Bosch T5002 10 pc. T-Shank Jig Saw Blade Set

User Manual

Model: T5002 | Brand: BOSCH

## INTRODUCTION

This manual provides essential information for the safe and effective use of your Bosch T5002 10-piece T-Shank Jig Saw Blade Set. This set is designed for general-purpose cutting in various materials, including wood, metal, and plastics. It features a T-shank design for broad compatibility and includes a durable plastic case for organized storage.

## PRODUCT OVERVIEW

### Included Components

The Bosch T5002 set contains 10 T-shank jig saw blades, specifically:

- 2 x T101B Clean for Wood blades
- 2 x T144D Speed for Wood blades
- 2 x T119BO Basic Scrolling for Wood blades
- 2 x T118A Basic for Metal blades
- 2 x T118B Basic for Metal blades

### Key Features

- **Versatile Assortment:** Blades for general-purpose woodworking and cutting thick or thin ferrous and non-ferrous metals.
- **T-Shank Design:** Provides maximum grip and stability, compatible with over 90% of current jig saw makes and models.
- **Durable Storage Case:** A plastic case is included for convenient and organized blade storage.

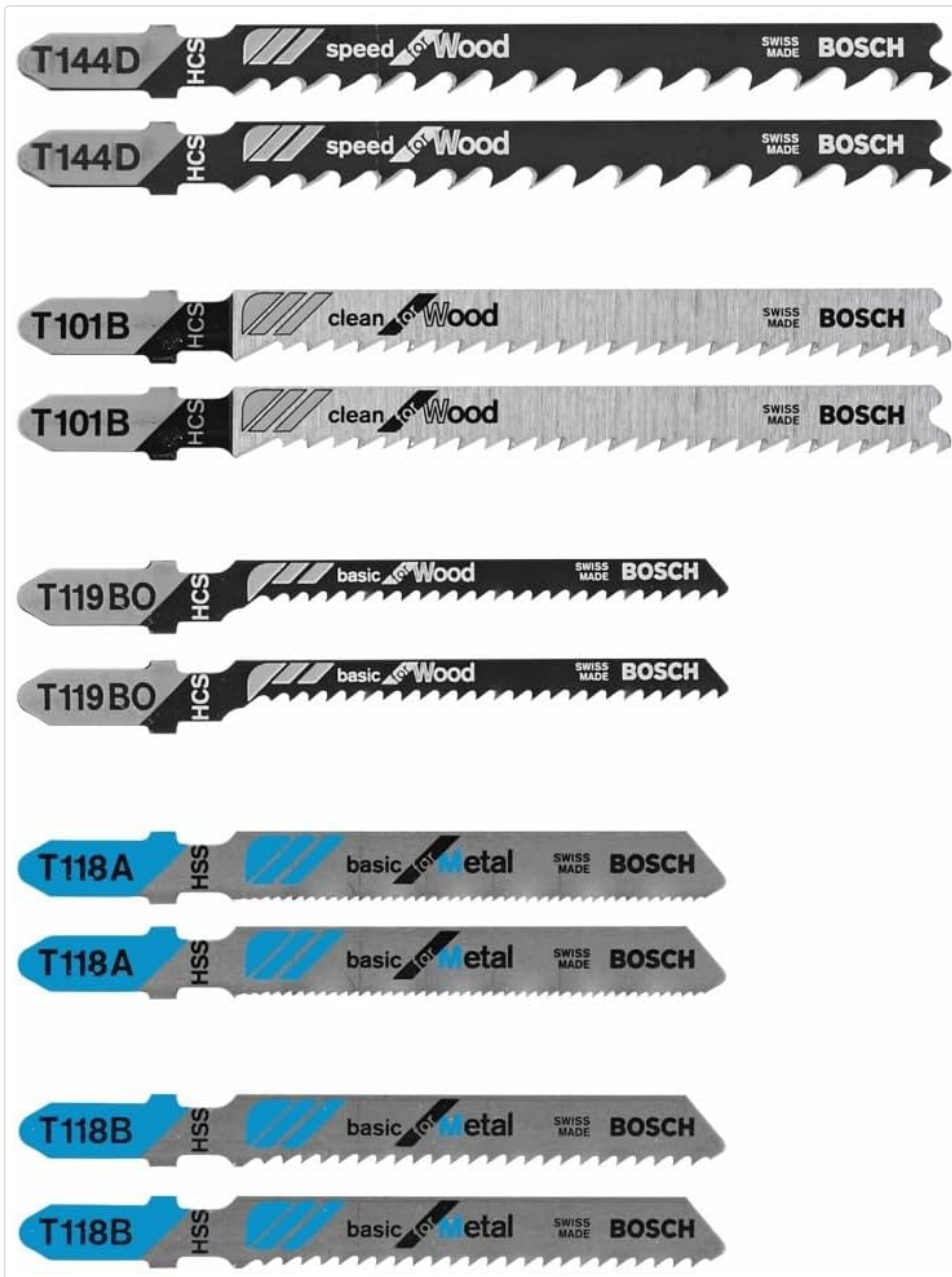


Image: The complete Bosch T5002 10-piece T-Shank Jig Saw Blade Set, showcasing the variety of blades for wood and metal, neatly organized in its transparent plastic storage case.



Image: The durable plastic storage case for the Bosch T5002 blade set, designed to keep blades organized and protected.

## BLADE TYPES AND APPLICATIONS

Understanding the specific characteristics of each blade type is crucial for achieving optimal cutting results and extending blade life.

### Wood Cutting Blades

- **T101B Clean for Wood:** Designed for clean, precise cuts in wood. Features 10 TPI (Teeth Per Inch) and is made of High Carbon Steel (HCS).
- **T144D Speed for Wood:** Optimized for fast, aggressive cuts in wood. Features a larger tooth pitch for rapid material removal.
- **T119BO Basic Scrolling for Wood:** Ideal for curved cuts and intricate scrolling work in wood. Features a narrower blade profile for maneuverability.



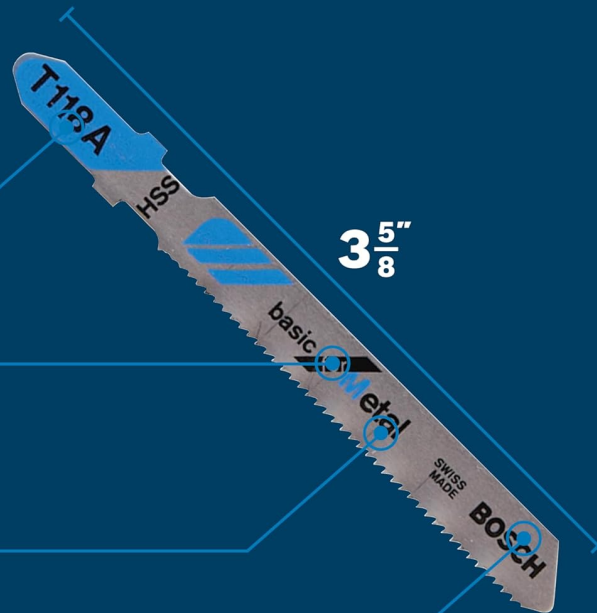
Image: Detailed view of the Bosch T101B 'Clean for Wood' blade, highlighting its T-shank, 4-inch length, 10 TPI, and High Carbon Steel construction, designed for clean cuts in wood.

### Metal Cutting Blades

- **T118A Basic for Metal:** Suitable for basic cuts in thin metals. Features a finer tooth pitch (17-24 TPI) and is made of High Speed Steel (HSS).
- **T118B Basic for Metal:** Designed for basic cuts in thicker metals. Features a slightly coarser tooth pitch than T118A for efficient cutting of more robust materials.

# T118A

## 2 PIECES



**FOR BASIC  
CUTS IN  
METAL**

**17-24 TPI**

**MADE OF HIGH  
CARBON STEEL**

Image: Detailed view of the Bosch T118A 'Basic for Metal' blade, showing its T-shank, 3 5/8-inch length, 17-24 TPI, and High Speed Steel construction, intended for basic cuts in metal.

## Jigsaw Blade Selection Guide (TPI)

The Teeth Per Inch (TPI) of a blade significantly impacts the cut quality and speed. Refer to the table below for guidance:

# JIGSAW BLADE CUTS AND TPI

WOOD		
TEETH PER INCH (TPI)	TYPE OF CUT	MATERIALS
6-8	Rough	Hard & soft wood, particleboard
10-14	Fine	Wood, plastics
16-20	Very Fine	Plywood, Laminated, Particleboard

METAL		
TEETH PER INCH (TPI)	TYPE OF CUT	MATERIALS
14-18	Smooth	Thick Material
24	Smooth	Thin Material
36	Very Smooth	Very Thin Material

Image: A guide illustrating the relationship between Teeth Per Inch (TPI) and the type of cut (rough, fine, smooth) for various wood and metal materials.

## Jigsaw Blade Selection by Material and Cut Type

Material	TPI Range	Type of Cut	Recommended For
Wood	6-8	Rough	Hard & soft wood, particleboard
	10-14	Fine	Wood, plastics
	16-20	Very Fine	Plywood, Laminated, Particleboard
Metal	14-18	Smooth	Thick Material
	24	Smooth	Thin Material
	36	Very Smooth	Very Thin Material

## SETUP AND COMPATIBILITY

### Blade Installation

The T-shank design allows for quick and tool-free blade changes in most modern jigsaws. Always refer to your jigsaw's instruction manual for specific blade installation and removal procedures. Ensure the jigsaw is unplugged or its battery removed before changing blades.

1. Ensure the jigsaw is powered off and disconnected from its power source.
2. Locate the blade clamp mechanism on your jigsaw.
3. Open the blade clamp according to your jigsaw's instructions.
4. Insert the T-shank end of the desired blade into the clamp until it clicks or locks securely into place.
5. Verify that the blade is firmly seated and cannot be easily pulled out.



Image: A T-shank jigsaw blade being inserted into the blade clamp of a jigsaw, demonstrating the installation process.

## Universal Compatibility

Bosch T-shank blades are designed for universal fit, compatible with most major jigsaw brands that accept T-shank blades. This includes brands such as Fein, Milwaukee, Makita, Ridgid, Rockwell, Hitachi, Ryobi, and other professional tools.

# UNIVERSAL BRAND FIT

FITS ALL T-SHANK JIGSAWS

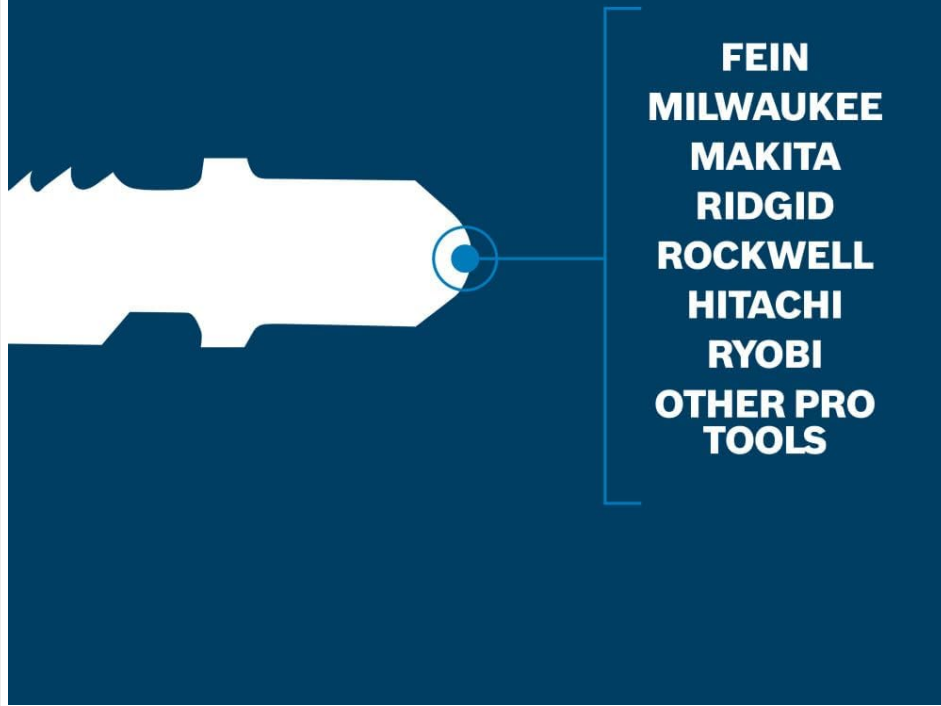


Image: Diagram illustrating the universal T-shank fit, indicating compatibility with various professional jigsaw brands.

## OPERATING GUIDELINES

Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves, when operating a jigsaw.

### General Cutting Tips

- **Select the Correct Blade:** Match the blade's TPI and material type to your workpiece for optimal results (refer to the Blade Selection Guide).
- **Adjust Jigsaw Speed:** Use a high speed for wood and a lower speed for metal. For plastics, a medium speed is often suitable to prevent melting.
- **Maintain Steady Pressure:** Allow the blade to do the work. Do not force the saw, as this can lead to blade deflection, breakage, or a rough cut.
- **Secure Workpiece:** Always clamp your material firmly to prevent movement during cutting.



Image: A jigsaw in operation, cutting a piece of wood, demonstrating proper usage.

## Specific Material Considerations

- **Wood:** For fine or clean cuts, apply masking tape along the cut line on the visible side of the wood to reduce splintering and tear-out. For very thin stock, scoring the cut line with a utility knife before cutting can also improve cleanliness.
- **Metal:** Apply cutting oil or lubricant to the cut line to keep the blade cool, reduce friction, and extend blade life. Cut slowly and steadily.
- **Plastic:** Use a medium speed to avoid melting the plastic. If using an aggressive blade, move quickly to prevent chipping.

## MAINTENANCE AND STORAGE

### Blade Cleaning

After use, especially when cutting resinous wood, clean any accumulated sap or debris from the blades. This helps maintain cutting efficiency and prevents premature dulling. Use a suitable blade cleaner or a mild solvent, and ensure blades are dry before storage.

### Proper Storage

Store the blades in the provided durable plastic case. This protects the blades from damage, prevents accidental injury, and keeps them organized. Store the case in a dry environment to prevent rust.

## TROUBLESHOOTING

Addressing common issues can help prolong the life of your blades and improve cutting performance.

- **Blade Dulling Quickly:** Ensure you are using the correct blade type and TPI for the material. Avoid forcing the saw, as excessive pressure can accelerate dulling.
- **Blade Breakage:** This often occurs when the wrong blade is used for the application (e.g., aggressive blade for scrolling, or forcing through thick metal). Ensure the blade is securely installed and not bent or twisted during operation.
- **Rough or Splintered Cuts:** Verify that the correct blade for a clean cut is selected (e.g., T101B for wood). Consider using masking tape on the cut line or scoring the material before cutting. Adjusting jigsaw speed can also help.
- **Melting Plastic:** Reduce the jigsaw's speed. If using an aggressive blade, increase the feed rate to prevent heat buildup.

## SPECIFICATIONS

### Bosch T5002 Jig Saw Blade Set Specifications

Feature	Detail
Model Number	T5002
Brand	BOSCH
Number of Pieces	10
Blade Shank Type	T-Shank
Material Compatibility	Wood, Metal (ferrous and non-ferrous), Plastics
Included Blades	2x T101B, 2x T144D, 2x T119BO, 2x T118A, 2x T118B
Storage	Durable Plastic Case
Product Dimensions	6.75"L x 4.75"W
Item Weight	1.12 ounces
UPC	000346219623

## WARRANTY AND SUPPORT

## Warranty Information

This product is covered by a manufacturer's warranty. For specific details regarding the warranty period and coverage, please refer to the documentation included with your purchase or visit the official Bosch website. The warranty typically covers defects in materials and workmanship under normal use.

## Customer Support

For technical assistance, product inquiries, or warranty claims, please contact Bosch customer support. Contact information can typically be found on the product packaging or the official Bosch website.