

Grizzly *Industrial, Inc.*®

MODEL T32005 MINI BENCHTOP CUT-OFF SAW OWNER'S MANUAL *(for models manufactured since 04/20)*



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V1.04.20



WARNING!

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.



WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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SECTION 1: SAFETY


WARNING

For Your Own Safety Read Instruction Manual Before Operating This Power Tool

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

 **DANGER** Indicates an imminent hazardous situation which, if not avoided, **WILL** result in death or serious injury.

 **WARNING** Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

 **CAUTION** Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTICE This symbol is used to alert the user to useful information about proper operation of the equipment.

WARNING

Safety Instructions for Power Tools

OWNER'S MANUAL. Read and understand this owner's manual **BEFORE** using machine.

TRAINED OPERATORS ONLY. Untrained operators have a higher risk of being hurt or killed. Only allow trained/supervised people to use this power tool. When tool is not being used, disconnect power, and store in out-of-reach location to prevent unauthorized use—especially around children. Make workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use tools in areas that are wet, cluttered, or have poor lighting. Operating tools in these areas greatly increases risk of accidents and injury.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of power tools. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

DISCONNECT POWER FIRST. Always disconnect tool from power supply **BEFORE** making adjustments, changing tooling, or servicing machine. This prevents an injury risk from unintended startup or contact with live electrical components.

EYE PROTECTION. Always wear ANSI-approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles. Everyday eyeglasses are not approved safety glasses.

WARNING

ELECTRICAL SAFETY. Tool plug must match outlet. Double-insulated tools have a polarized plug (one blade is wider than the other), which must be plugged into a polarized outlet. Never modify plug. Do not use adapter for grounded tools. Use a ground fault circuit interrupter if operation is unavoidable in damp locations. Avoid touching grounded surfaces when operating tool.

WEARING PROPER APPAREL. Do not wear clothing, apparel or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to avoid accidental slips, which could cause loss of workpiece control. Wear hard hat as needed.

HAZARDOUS DUST. Dust created while using tools may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, always wear a NIOSH-approved respirator, and connect tool to an appropriate dust collection device to reduce your risk.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Never leave adjustment tools, chuck keys, wrenches, etc. in or on tool—especially near moving parts. Verify removal before starting!

INTENDED USAGE. Only use tool for its intended purpose. Never modify or alter tool for a purpose not intended by the manufacturer or serious injury or death may result!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating tool. Do not overreach! Avoid awkward hand positions that make tool control difficult or increase the risk of accidental injury.

SAFE HANDLING. Firmly grip tool. To avoid accidental firing, do not keep finger on switch or trigger while carrying.

FORCING TOOLS. Use right tool for job, and do not force it. It will do job safer and better at rate for which it was designed.

SECURING WORKPIECE. When required, use clamps or vises to secure workpiece. This protects hands and frees both of them to operate tool.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris. Ensure they are properly installed, undamaged, and working correctly.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using tool if they become a distraction.

USE RECOMMENDED ACCESSORIES. Consult this manual or manufacturer for recommended accessories. Using improper accessories will increase risk of serious injury.

MAINTAIN WITH CARE. Keep cutting tool edges sharp and clean. Follow all maintenance instructions and lubrication schedules to keep tool in good working condition. A tool that is improperly maintained could malfunction, leading to serious personal injury or death. Only have tool serviced by qualified service-personnel using matching replacement parts.

CHECK DAMAGED PARTS. Regularly inspect tool for any condition that may affect safe operation. Immediately repair or replace damaged or mis-adjusted parts before operating tool.

MAINTAIN POWER CORDS. When disconnecting cord-connected tools from power, grab and pull the plug—NOT the cord. Carrying or pulling the cord may damage wires inside. Do not handle cord/plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals, sharp edges, moving parts, and wet/damp locations. Damaged cords increase risk of electrocution.

UNATTENDED OPERATION. Never leave tool running while unattended. Turn tool **OFF** and ensure all moving parts completely stop before walking away.

EXPERIENCING DIFFICULTIES. If at any time you experience difficulties performing the intended operation, stop using the machine! Contact our Technical Support at (570) 546-9663.

Additional Safety for Cut-Off Saws

WARNING

Serious cuts, amputation, or death can occur from contact with rotating saw blade during operation. Workpieces, broken blades, or flying particles thrown by blade can blind or strike operators or bystanders with deadly force. To reduce the risk of these hazards, operator and bystanders **MUST** completely heed the hazards and warnings below.

HAND & BODY POSITIONING. Keep hands at least 4" from spinning saw blade and out of blade path when cutting. Only operate at front of tool. Never reach behind or around blade and never support the workpiece cross handed.

WORKPIECE SUPPORT. Always keep workpiece stationary, flat, and firmly held against table when cutting to avoid loss of control. Secure workpieces with clamps whenever possible. Do not perform any operation "freehand." Only cut one workpiece at a time—do not cut stacks.

DULL/DAMAGED SAW BLADES. Dull blades require more effort to perform cuts. Broken saw blade teeth can become deadly projectiles. Do not operate with damaged, cracked, or badly worn blades. Inspect for damage before each use.

BLADE GUARD. Make sure blade guard is installed, working correctly, and used for all cuts. Promptly repair or replace if damaged. Re-install immediately after servicing saw blade.

CHANGING BLADES. Accidental startup while changing saw blade can result in serious injury. Always disconnect power before changing blades and wear gloves to protect hands. Do not use blades with different diameters or arbor hole shapes/sizes. Always ensure blade is oriented with marked blade rotation direction.

SAW OPERATION. Ensure saw is placed on level, firm work surface before use and clear all tools, wood scraps, etc., as debris can be thrown at high speeds. Always allow blade to reach full speed before contacting workpiece. When cut is finished, allow blade to completely stop before removing from workpiece. **DO NOT** stop with hand or workpiece.

JAMMED OR CUT-OFF PIECES. To avoid risk of injury due to blade contact, turn saw **OFF** and allow blade to completely stop before removing cut-off pieces. Unplug saw before working to free jammed pieces. Never use your hands to move cut-off pieces away from blade while saw is running. Do not use stop blocks that may wedge cut-off pieces against saw blade.

CAUTION

No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment or poor work results.

SECTION 2: INTRODUCTION

Foreword

We are proud to offer this manual with your new cut-off saw! We've made every effort to be exact with the instructions, specifications, drawings, and photographs of the cut-off saw we used when writing this manual. However, sometimes we still make an occasional mistake.

Also, owing to our policy of continuous improvement, your cut-off saw may not exactly match the manual. If you find this to be the case, and the difference between the manual and cut-off saw leaves you in doubt, check our website for the latest manual update or call technical support for help.

For your convenience, we post all available manuals and manual updates for free on our website at www.grizzly.com. Any updates to your model of tool will be reflected in these documents as soon as they are complete.

Contact Info

We stand behind our tools. If you have any service questions, parts requests or general questions about the tool, please call or write us at the location listed below.

Grizzly Technical Support
1815 W. Battlefield
Springfield, MO 65807
Phone: (570) 546-9663
E-Mail: techsupport@grizzly.com

We want your feedback on this manual. If you can take the time, please email or write to us at the address below and tell us how we did:

Grizzly Industrial, Inc.
C/O Technical Documentation Manager
P.O. Box 2069
Bellingham, WA 98227-2069
Email: manuals@grizzly.com



MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL T32005 MINI BENCHTOP CUT-OFF SAW

Product Dimensions:

Weight 3-3/4 lbs.
Width (side-to-side) x Depth (front-to-back) x Height 5-1/2 x 9-1/2 x 6-1/2 in.
Footprint (Length x Width) 5-1/2 x 5-1/2 in.

Shipping Dimensions:

Type Cardboard Box
Content Machine
Weight 4 lbs.
Length x Width x Height 10 x 6 x 5 in.
Must Ship Upright No

Electrical:

Power Requirement 110V, Single-Phase, 60 Hz
Full-Load Current Rating 0.9A
Minimum Circuit Size 15A
Connection Type Cord & Plug
Power Cord Included Yes
Power Cord Length 72 in.
Power Cord Gauge 18 AWG
Plug Included Yes
Included Plug Type 1-15
Switch Type ON/OFF Switch

Motor:

Main

Horsepower 1/10 HP
Phase Single-Phase
Amps 0.9A
Speed 6000 RPM
Type Universal DC
Power Transfer Belt
Bearings Shielded & Permanently Lubricated

Main Specifications:

Operation Information

Blade Size 2 in.
Blade Speed 8800 RPM
Arbor Size 8 mm

Cutting Capacities

Angle Cuts 0 - 45 deg.
Vise Jaw Depth 7/8 in.
Vise Jaw Height 3/8 in.
Max. Capacity 3/8 in.

Construction

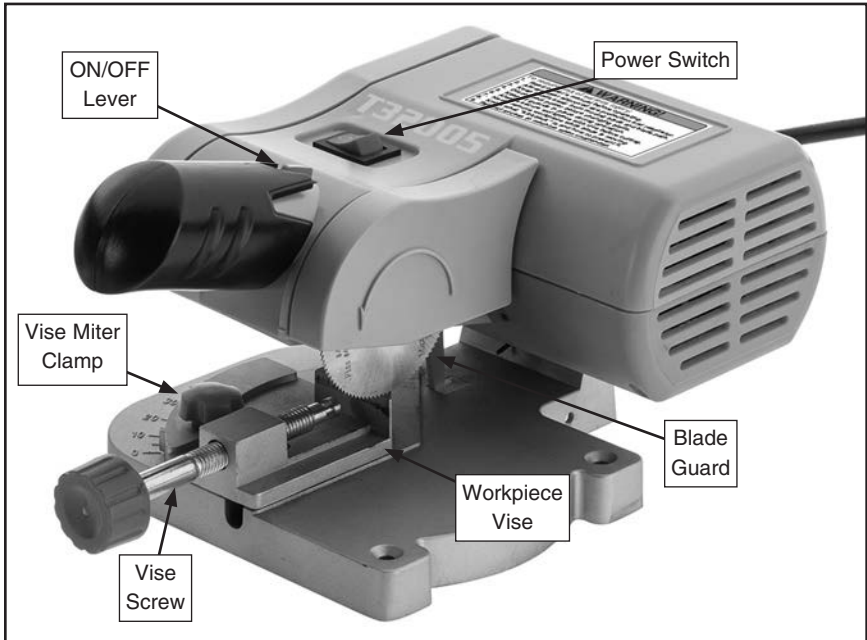
Table Construction Aluminum
Body Construction Plastic
Saw Wheel Guard Plastic

Other Specifications:

Country of Origin China
Warranty 1 Year
Serial Number Location ID Label
ISO 9001 Factory Yes

Controls & Components

Refer to the following figure and descriptions to become familiar with the basic controls and components of this tool. Understanding these items and how they work will help you understand the rest of the manual and minimize your risk of injury when operating this tool.



Power Switch: Toggles tool power **ON** (I) and **OFF** (O).

Blade Guard: Protects user from blade and catches sawdust and swarf.

Workpiece Vise: Secures workpiece during operations. Pivots in table to set angle of cut between 0–45°.

Vise Screw: Clamps workpiece in vise.

Vise Miter Clamp: Secures miter angle.

ON/OFF Lever: Press lever while power switch is in **ON** position to start saw. Saw cannot be lowered unless lever is pressed in.

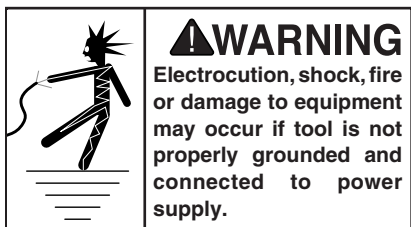
⚠ CAUTION

Like all tools there is potential danger when operating this tool. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this tool with respect and caution to decrease the risk of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

SECTION 3: POWER SUPPLY

Availability

Before installing the machine, consider the availability and proximity of the required power supply circuit. If an existing circuit does not meet the requirements for this machine, a new circuit must be installed. To minimize the risk of electrocution, fire, or equipment damage, installation work and electrical wiring must be done by an electrician or qualified service personnel in accordance with all applicable codes and standards.



Full-Load Current Rating

The full-load current rating is the amperage a machine draws at 100% of the rated output power. On machines with multiple motors, this is the amperage drawn by the largest motor or sum of all motors and electrical devices that might operate at one time during normal operations.

Full-Load Current Rating.....0.9A

The full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating. If the machine is overloaded for a sufficient length of time, damage, overheating, or fire may result—especially if connected to an undersized circuit. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the requirements in the following section.

⚠ WARNING

Serious injury could occur if you connect tool to power before completing setup process. DO NOT connect to power until instructed later in this manual.

110V Circuit Requirements

This machine is prewired to operate on a power supply circuit that has a verified ground and meets the following requirements:

Voltage..... 110V, 115V, 120V
Cycle.....60 Hz
Phase.....Single-Phase
Power Supply Circuit 15 Amps

A power supply circuit includes all electrical equipment between the breaker box or fuse panel in the building and the machine. The power supply circuit used for this machine must be sized to safely handle the full-load current drawn from the machine for an extended period of time. (If this machine is connected to a circuit protected by fuses, use a time delay fuse marked D.)

⚠ CAUTION

For your own safety and protection of property, consult an electrician if you are unsure about wiring practices or electrical codes in your area.

Note: *The circuit requirements listed in this manual apply to a dedicated circuit—where only one machine will be running at a time. If this machine will be connected to a shared circuit where multiple machines will be running at the same time, consult a qualified electrician to ensure that the circuit is properly sized for safe operation.*

Polarized Plug

To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

When servicing use only identical replacement parts.

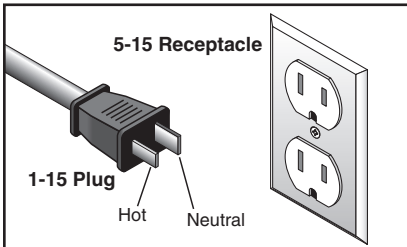


Figure 1. Typical 1-15 plug and receptacle.

Extension Cords

When using extension cords, make sure the cords are rated for outdoor use. Outdoor use cords are marked with a "W-A" or a "W" to signify their rating. Always check to make sure that the extension cords are in good working order and free of any type of damage, such as exposed wires, cuts, creased bends, or missing prongs.

Extension cords cause voltage drop, which may damage electrical components and shorten motor life. Voltage drop increases as the extension cord size gets longer and the gauge size gets smaller (higher gauge numbers indicate smaller sizes). When using extension cords, always choose the shortest cord possible, with the greatest-sized gauge.

Below is a list of minimum gauge sizes needed for running this tool at different lengths:

25 Feet	16AWG
50 Feet	14AWG
100 Feet	12AWG
Over 100 Feet	Not Recommended

SECTION 4: SETUP

Unpacking

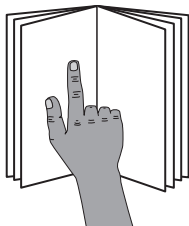
Your tool was carefully packaged for safe transportation. Remove the packaging materials from around your tool and inspect it. If you discover the tool is damaged, *please immediately call Customer Service at (570) 546-9663 for advice.*

Save the containers and all packing materials for possible inspection by the carrier or its agent. Otherwise, filing a freight claim can be difficult.

When you are completely satisfied with the condition of your shipment, inventory the contents.

If any non-proprietary parts are missing (e.g., a nut or a washer), we will gladly replace them; or for the sake of expediency, replacements can be obtained at your local hardware store.

WARNING



This cut-off saw presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the tool!

Inventory

Inventory (Figure 2)	Qty
A. Cut-Off Saw	1
B. Hold-Down Clamp.....	1
C. Hex Wrench 2.5mm	1
D. 2" Grinding Blade.....	1



Figure 2. Inventory.

NOTICE

If you cannot find an item on this list, carefully check around/inside the tool and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

Mounting

The Model T32005 must be secured to prevent it moving during operation and causing accidental injury or damage. The table has mounting holes that allow the saw to be fastened to a workbench, and a table clamp is included for when mounting is not an option.

Through Mounting

The strongest mounting option is a "Through Mount" (see below) where holes are drilled all the way through the workbench—and flat head screws, washers, and hex nuts are used to secure the tool in place.

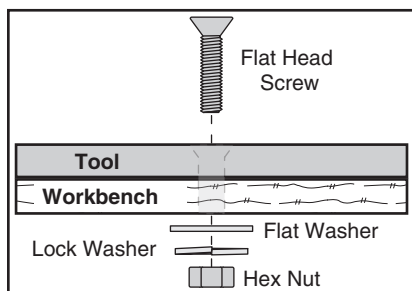


Figure 3. Example of through mounting.

Materials Needed

Qty

Flat Hd Screws 8-32	4
Hex Nuts 8-32	4
Lock Washers #8	4
Flat Washers #8	4
Phillips Screwdriver #2	1
Hand Drill	1
Drill Bit #8	1

To through mount the saw:

1. Use saw table as a template to drill (4) holes in workbench.
2. Mount saw to workbench with (4) flat head screws, flat washers, lock washers, and hex nuts.

Using Table Clamp

If the cut-off saw is being used in a non-permanent location, or if drilling into the workbench is not an option, the table clamp can be used. Always ensure the tool is secure before making any cut. If the table clamp alone does not secure the saw, do not perform the operation.

To secure saw with table clamp:

1. Place saw at edge of workbench.
2. Place top bar of clamp in groove on top of saw table (see Figure 4).

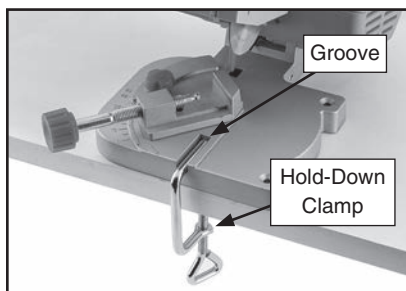


Figure 4. Table clamp holding cut-off saw in place.

3. Tighten clamp. Ensure saw does not slide or rotate on table when pushed with moderate pressure.

IMPORTANT: If saw cannot be secured with one clamp, try clamping it to a different surface or with a second clamp, or through-mount the saw. Do not operate the saw unsecured.

Test Run

Once assembly is complete, test run the tool to ensure it is properly connected to power and safety components are working properly.

If you find an unusual problem during the test run, immediately stop the tool, disconnect it from power, and fix the problem BEFORE operating the tool again. The **Troubleshooting** table in the **SERVICE** section of this manual can help.

The test run consists of verifying the following: 1) The motor powers up and runs correctly.

WARNING

DO NOT start tool until all preceding setup instructions have been performed. Operating an improperly set up tool may result in malfunction or unexpected results that can lead to serious injury, death, or tool/property damage.

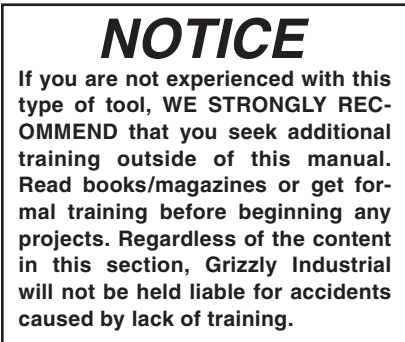
To test run tool:

1. Clear away all setup/adjustment tools.
2. Verify blade is properly installed (see **Changing Blade** on **Page 14**).
3. Connect tool to power supply.
4. While firmly holding handle, press and hold ON/OFF lever. Motor should run smoothly and without unusual problems or noises.
5. Release ON/OFF lever. Motor should immediately stop running.

WARNING

Serious injury or death can result from using tool BEFORE understanding its controls and related safety information. DO NOT operate, or allow others to operate, tool until information is understood.

SECTION 5: OPERATIONS



Operation Overview

The purpose of this overview is to provide the novice operator with a basic understanding of how the tool is used during operation, so the tool controls/components discussed later in this manual are easier to understand.

Due to the generic nature of this overview, it is **not** intended to be an instructional guide. To learn more about specific operations, read this entire manual, seek additional training from experienced operators, and do additional research outside this manual by reading "how-to" books, trade magazines, or websites.

To complete a typical operation, the operator does the following:

1. Examines workpiece to make sure it is suitable for cutting.
2. Adjusts vise angle and secures workpiece in vise.
3. Puts on safety glasses and respirator.
4. Switches power **ON**, then holds ON/OFF lever to start saw and allows blade to reach full speed before contacting workpiece.
5. While keeping hands and fingers away from blade, pushes handle down to cut the workpiece.
6. Releases ON/OFF lever and waits for blade to stop, lifts handle so blade is not contacting workpiece, then switches power **OFF**.
7. Removes workpiece from vise.

Changing Blade

The blade is secured to the arbor with an arbor screw and flange.

Tools Needed Qty
Hex Wrench 2.5mm..... 1

To change blade:

1. DISCONNECT TOOL FROM POWER!
2. Pull blade guard straight up to remove it (see **Figure 5**).

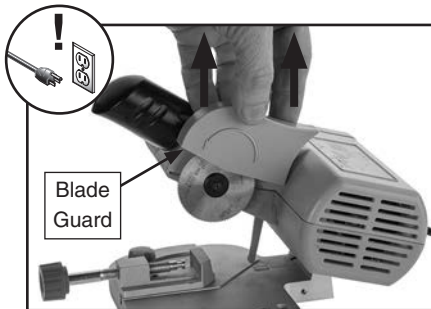


Figure 5. Removing blade guard.

▲ CAUTION: Saw blades are sharp and can cut even while tool is **OFF**. Wear gloves to protect your hands while handling and installing the blade.

3. Hold blade in place and remove arbor screw with 2.5mm hex wrench (see **Figure 6**).



Figure 6. Holding blade in place to remove arbor screw.

4. Place new blade on arbor in correct orientation (see **Figure 7**). If blade has rotational arrow, align blade arrow with arrow on saw.

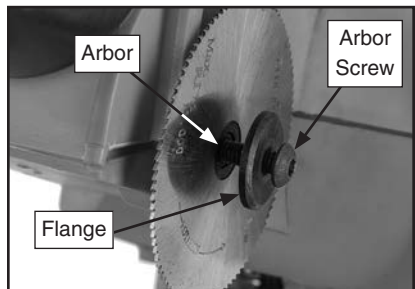


Figure 7. Blade on arbor with arbor screw and flange.

5. Hold blade in place and tighten arbor screw with 2.5mm hex wrench.
6. Attach blade guard by pushing down until it snaps in place.

Securing Workpiece

Workpieces must be secured with the built-in vise. Unsecured workpieces increase the risk of injury due to kickback or loss of control.

To secure workpiece:

1. DISCONNECT TOOL FROM POWER!
2. Loosen vise miter clamp, set miter angle, then tighten vise miter clamp (see **Figure 8**).
3. Loosen vise until workpiece fits between vise jaws, then tighten vise until workpiece is secure (see **Figure 8**).

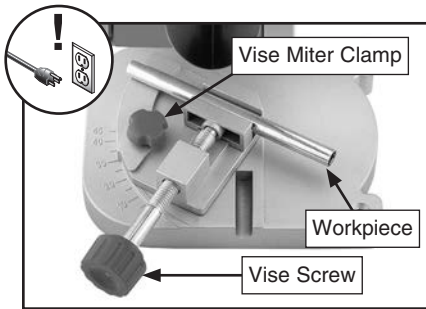


Figure 8. Workpiece vise controls.

Cutting

The Model T32005 can cut wood or metal workpieces $\frac{3}{8}$ " thick or smaller. Always ensure the correct blade is used for the material being cut.

! WARNING

To reduce risk of eye injury from flying chips or lung damage from breathing dust, always wear safety glasses and a respirator when operating this tool.



To cut workpiece:

1. Ensure workpiece is secure in vise.
2. Press power switch to **I** position to turn tool **ON**.
3. Fully press ON/OFF lever (see **Figure 9**). Once saw blade comes to full speed, lower blade into workpiece.



Figure 9. ON/OFF lever during cut.

4. Wait for blade to come to a complete stop, raise blade, then press power switch to **O** position to turn tool **OFF**.
5. Remove workpiece from vise.

SECTION 6: ACCESSORIES

Replacement Blades

T32024—2" 100T Blade for T32005

T32025—2" Cut-Off Blade for T32005

2" blades for cutting wood or metal with the T32005 Mini Benchtop Cut-Off Saw.



Figure 10. T32024 2" 100T Blade for T32005.



Figure 11. T32025 2" Cut-Off Blade for T32005.

Basic Eye Protection

T20501—Face Shield Crown Protector 4"

T20502—Face Shield Crown Protector 7"

T20503—Face Shield Window

T20451—"Kirova" Clear Safety Glasses

T20452—"Kirova" Anti-Reflective Glasses

T20456—DAKURA Safety Glasses

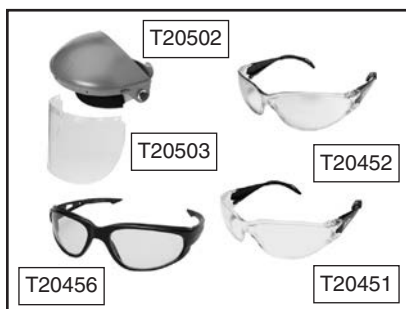


Figure 12. Basic eye protection.

H2499—Small Half-Mask Respirator

H3631—Medium Half-Mask Respirator

H3632—Large Half-Mask Respirator

H3635—Cartridge Filter Pair P100

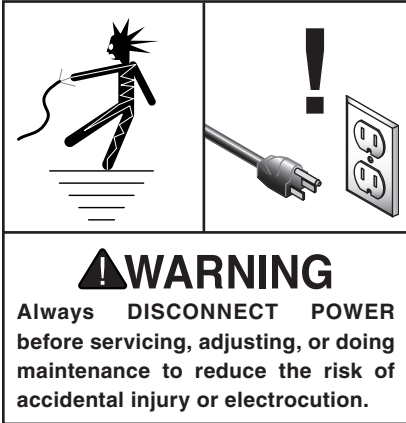
Wood dust has been linked to nasal cancer and severe respiratory illnesses. If you work around dust everyday, a half-mask respirator can be a lifesaver. Also compatible with safety glasses!



Figure 13. Half-mask respirator with disposable cartridge filters.

order online at www.grizzly.com or call 1-800-523-4777

SECTION 7: MAINTENANCE



Cleaning

Cleaning the Model T32005 is relatively easy. After each use, clear all dust from tool with a vacuum or dry brush. Never blow off the tool with compressed air, as this could force dust/chips more deeply into the motor vents.

Schedule

For optimum performance from this tool, routinely check the condition of the following items and repair or replace as necessary.

- Loose mounting bolts.
- Damaged saw blade.
- Damaged timing belt.
- Cracked or broken parts.
- Worn or damaged wires.
- Any other unsafe condition.

Monthly Check

- Timing belt tension, damage, or wear.

SECTION 8: SERVICE

Troubleshooting



Symptom	Possible Cause	Solution
Tool does not start, or power supply breaker immediately trips after startup.	<ol style="list-style-type: none"> 1. Incorrect power supply voltage or circuit size. 2. Wiring broken, disconnected, or corroded. 3. ON/OFF switch at fault. 	<ol style="list-style-type: none"> 1. Ensure correct power supply voltage and circuit size. 2. Fix broken wires or disconnected/corroded connections. 3. Replace switch.
Tool stalls or is underpowered.	<ol style="list-style-type: none"> 1. Workpiece material not suitable for tool. 2. Workpiece or vise loose. 3. Dull blade. 4. Cutting blade installed backwards. 5. Improper blade for cut type. 6. Machine undersized for task. 	<ol style="list-style-type: none"> 1. Only cut wood and soft metal. 2. Secure workpiece in vise/tighten vise angle clamp (Page 15). 3. Use sharp blade. 4. Install blade in correct direction. 5. Select proper blade for cut type. 6. Use correct blade for workpiece; reduce feed rate.
Tool has vibration or noisy operation.	<ol style="list-style-type: none"> 1. Workpiece or vise loose. 2. Incorrectly mounted to workbench. 3. Timing belt worn or loose. 4. Blade damaged or installed incorrectly. 	<ol style="list-style-type: none"> 1. Secure workpiece in vise/tighten vise angle clamp (Page 15). 2. Tighten mounting hardware (Page 11). 3. Inspect/replace belt (Page 19). 4. Replace bent/dull blade or re-install (Page 14).
Workpiece binds or burns when performing cut.	<ol style="list-style-type: none"> 1. Workpiece or vise loose. 2. Warped or bent workpiece. 3. Blade damaged or installed incorrectly. 4. Excessive feed rate. 5. Glazed cutting wheel. 	<ol style="list-style-type: none"> 1. Secure workpiece in vise/tighten vise angle clamp (Page 15). 2. Use straight workpiece. 3. Replace bent/dull blade or re-install (Page 14). 4. Apply steady, slow pressure to cutting head to perform cut. 5. Replace cutting wheel.

Replacing Timing Belt

If the timing belt is loose or worn it can be removed and replaced.

Tools Needed	Qty.
Phillips Screwdriver #2	1
Timing Belt (PT32005001).....	1

To replace timing belt:

1. DISCONNECT TOOL FROM POWER!
2. Pull up on belt cover to remove it (see **Figure 14**).

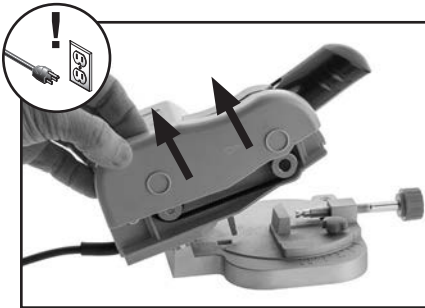


Figure 14. Removing timing belt cover.

3. Loosen belt tension screw to release timing belt tension (see **Figure 15**).

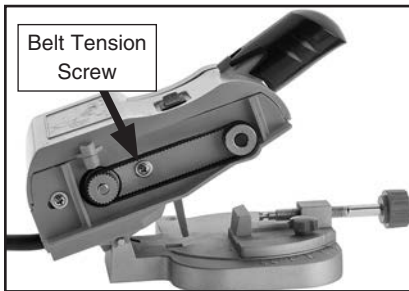


Figure 15. Belt tension screw location.

4. Slide timing belt forward to remove it from drive sprockets.
5. Slide new belt over front drive sprocket, then stretch it over rear drive sprocket.
6. Tighten belt tension screw to tension timing belt.
7. Rotate timing belt and make sure it is centered on sprockets.
8. Press down on timing belt to check tension.
 - If belt deflects more than 1/4", repeat **Step 6**.
 - If belt deflects 1/4" or less, proceed to **Step 9**.
9. Push belt cover in place over timing belt.

WARRANTY

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

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In the event you need to use this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

To take advantage of this warranty, you must register it at <https://www.grizzly.com/secureforms/warranty-card>, or you can scan the QR code below to be automatically directed to our warranty registration page. Enter all applicable information for the product.



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