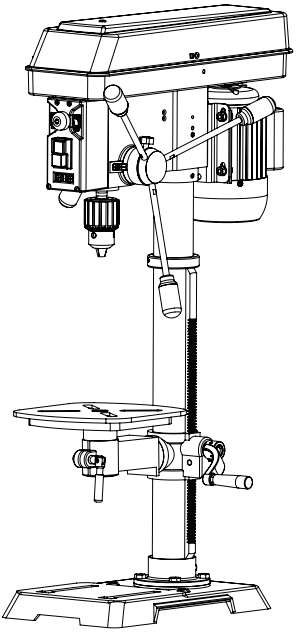
Bucktool GET IT DONE !

12" Variable Speed Drill Press With Laser & Worklight



BUCKTOOLS

Instagram

Contact Us:

email: service@bucktool.com

https://www.bucktool.com

909-255-1088 (8AM-5PM PST)

C US

226002

IMPORTANT:

For your own safety, read and follow all of the Safety Guidelines and Operating Instructions before operating this product.

INSTRUCTION MANUAL

Brand Story

Buck It,Redefining Efficiency – BUCKTOOL

We’re BUCKTOOL. We’ve been dealing with the manufacturing of power tools for many years. Our concept focus on Customer Priority ,High Quality Standard, Impeccable After Sale Service which has allowed us to deliver products with high quality, excellent customer service and reasonable price to our customers. This lethal trio is embedded in to the core of our brand and is what allows to be the unique power tools manufacturer and supplier worldwide. Our business, experience, and technology is built on a foundation of power tools expertise we’ve built for decades. Through a combination of years of hard work and experience we’ve been able to bring you the BUCKTOOL brand you see today. We live for challenges and strive to make our customers 100% satisfied. What BUCKTOOL does for customers is special, and we want to share this with you.

Brand Concept

Redefining Efficiency – BUCKTOOL.

Customer Priority ,High Quality Standard,Impeccable After Sale Service

This is a concept that is at the core of everything we do as a brand and it is what allowed us to become the brand we are today.

The Customer Priority ,High Quality Standard,Impeccable After Sale Service is a commitment that starts at the design of our products and ends with our customers receiving their end product. We possess the capbility to produce expertise but affordable products, combine this with personalized design and deliver this all with exclusive products to our customers. This trio is what separates us from other brand who only provide what we provide at a fraction of the expertise. We are able to deliver our Customer Priority ,High Quality Standard,Impeccable After Sale Service through out the entire delivery process of our product lines and this concept is what drives us every day at BUCKTOOL to be the brand we are.

TABLE OF CONTENTS

SPECIFICATIONS

Input	**120VAC, 60Hz**
Chuck	**1/32" - 5/8"**
Motor	**6.2A**
Speed	**580~3200RPM**
Swing	**12"**
Spindle Travel	**2"**
Table size	**9-17/32" x 9-17/32"**
Table Movement	**45° bevel**
Overall Height	**39"**

GENERAL SAFETY RULES

⚠ WARNING

Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

READ ALL INSTRUCTIONS

- KNOW YOUR POWER TOOL. Read the operator's manual carefully. Learn the applications and limitations as well as the specific potential hazards related to this tool.
- GUARD AGAINST ELECTRICAL SHOCK BY PREVENTING BODY CONTACT WITH GROUNDED SURFACES. For example: pipes, radiators, ranges, refrigerator enclosures.
- KEEP GUARDS IN PLACE and in good working order.
- REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents. DO NOT leave tools or pieces of wood on the tool while it is in operation.
- DO NOT USE IN DANGEROUS ENVIRONMENTS. Do not use power tools in damp or wet locations or expose to rain. Keep the work area well lit.
- KEEP CHILDREN AND VISITORS AWAY. All visitors should wear safety glasses and be kept a safe distance from work area. Do not let visitors contact tool or extension cord while operating.
- MAKE WORKSHOP CHILDPROOF with padlocks, master switches, or by removing starter keys.
- DON'T FORCE THE TOOL. It will do the job better and safer at the feed rate for which it was designed.
- USE THE RIGHT TOOL. Do not force the tool or attachment to do a job for which it was not designed.
- USE THE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. Use only a cord heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. A wire gauge size (A.W.G.) of at least 16 is recommended for an extension cord 50 feet or less in length. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
- DRESS PROPERLY. Do not wear loose clothing, gloves, neckties, or jewelry

that can get caught and draw you into moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Also wear protective hair covering to contain long hair.

- ALWAYS WEAR EYE PROTECTION WITH SIDE SHIELDS WHICH IS MARKED TO COMPLY WITH ANSI Z87.1 WHEN USING THIS PRODUCT.
- SECURE WORK. Use clamps or a vise to hold work when practical, it is safer than using your hand and frees both hands to operate the tool.
- DO NOT OVERREACH. Keep proper footing and balance at all times.
- MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- DISCONNECT TOOLS. When not in use, before servicing, or when changing attachments, blades, bits, cutters, etc., all tools should be disconnected from power source.
- AVOID ACCIDENTAL STARTING. Be sure switch is off when plugging in any tool.
- USE RECOMMENDED ACCESSORIES. Consult the operator's manual for recommended accessories. The use of improper accessories may result in injury.
- NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped.
- CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged must be properly repaired or replaced by an authorized service center to avoid risk of personal injury.
- USE THE RIGHT DIRECTION OF FEED. Feed work into a blade, cutter, or sanding spindle against the direction or rotation of the blade, cutter, or sanding spindle only.
- NEVER LEAVE TOOL RUNNING UNATTENDED. TURN THE POWER OFF. Don't leave tool until it comes to a complete stop.
- PROTECT YOUR LUNGS. Wear a face or dust mask if the cutting operation is dusty.
- PROTECT YOUR HEARING. Wear hearing protection during extended periods of operation.
- DO NOT ABUSE CORD. Never carry tool by the cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- USE OUTDOOR EXTENSION CORDS. When tool is used outdoors, use only

extension cords with approved ground connection that are intended for use outdoors and so marked.

- STAY ALERT AND EXERCISE CONTROL. Watch what you are doing and use common sense. Do not operate tool when you are tired. Do not rush.
- DO NOT USE TOOL IF SWITCH DOES NOT TURN IT ON AND OFF. Have defective switches replaced by an authorized service center.
- ALWAYS TURN SWITCH OFF before disconnecting it to avoid accidental starting.
- NEVER USE IN AN EXPLOSIVE ATMOSPHERE. Normal sparking of the motor could ignite fumes.
- INSPECT TOOL CORDS PERIODICALLY. If damaged, have repaired by a qualified service technician at an authorized service facility. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Repair or replace a damaged or worn cord immediately. Stay constantly aware of cord location and keep it well away from the rotating blade.
- INSPECT EXTENSION CORDS PERIODICALLY and replace if damaged.
- GROUND ALL TOOLS. If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle.
- USE ONLY CORRECT ELECTRICAL DEVICES: 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.
- KEEP TOOL 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 solvents to clean tool.
- NEVER START A TOOL WHEN ANY ROTATING COMPONENT IS IN CONTACT WITH THE WORKPIECE.
- DO NOT OPERATE A TOOL WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR ANY MEDICATION.
- WHEN SERVICING use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.
- USE ONLY RECOMMENDED ACCESSORIES listed in this manual or addendums. Use of accessories that are not listed may cause the risk of personal injury. Instructions for safe use of accessories are included with the accessory.

SPECIFIC SAFETY RULES

- KEEP BITS CLEAN AND SHARP. Sharp bits minimize stalling. Dirty and dull bits may cause misalignment of the material and possible operator injury.
- KEEP HANDS AWAY FROM WORK AREA. Keep hands away from the bit. Restrain any loose clothing, jewelry, long hair, etc., that may become entangled in the bit.

- ALWAYS CLAMP WORKPIECE OR BRACE AGAINST COLUMN TO PREVENT ROTATION. Never use your hand to hold the object while drilling.
- USE RECOMMENDED SPEED FOR DRILL ACCESSORY AND WORKPIECE MATERIAL.
- BE SURE DRILL BIT OR CUTTING TOOL IS SECURELY LOCKED IN THE CHUCK.
- BE SURE CHUCK KEY IS REMOVED from the chuck before connecting to power source or turning power ON.
- ADJUST THE TABLE OR DEPTH STOP TO AVOID DRILLING INTO THE TABLE. Shut off the power, remove the drill bit, and clean the table before leaving machine.
- AVOID DIRECT EYE EXPOSURE when using the laser guide.
- ALWAYS ENSURE THE LASER BEAM IS AIMED AT A SURFACE WITHOUT REFLECTIVE PROPERTIES. Shiny reflective materials are not suitable for laser use.
- NEVER PLACE YOUR FINGERS IN A POSITION WHERE THEY COULD CONTACT THE DRILL or other cutting tool if the workpiece should unexpectedly shift.
- NEVER PERFORM ANY OPERATION by moving the head or table with respect to one another. Do not turn the motor switch ON or start any operation before checking that the head and table support lock handle is clamped tight to column and head and table support collars are correctly positioned.
- BEFORE ENGAGING THE POWER SWITCH, MAKE SURE THE BELT GUARD IS DOWN AND THE CHUCK IS INSTALLED PROPERLY.
- LOCK THE MOTOR SWITCH OFF WHEN LEAVING THE DRILL PRESS. Do not perform layout, assembly, or set-up work on the table while the cutting tool is rotating, switched on, or connected to a power source.
- IF THE POWER SUPPLY CORD IS DAMAGED, it must be replaced only by the manufacturer or by an authorized service center to avoid risk.
- SAVE THESE INSTRUCTIONS. Refer to them frequently and use to instruct other users. If you loan someone this tool, loan them these instructions also.

⚠ WARNING

This product and some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products.
- arsenic and chromium from chemically-treated lumber.

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

EXTENSION CORDS

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug. When using a power tool at a considerable distance from the power source, use an extension cord heavy enough to carry the current that the tool will draw. An undersized extension cord will cause a drop in line voltage, resulting in a loss of power and causing the motor to overheat. Use the chart provided below to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

**Ampere rating (on tool faceplate)						
	0-2.0	2.1-3.4	3.5-5.0	5.1-7.0	7.1-12.0	12.1-16.0
Cord Length	Wire Size (A.W.G.)					
25'	16	16	16	16	14	14
50'	16	16	16	14	14	12
100'	16	16	14	12	10	—

**Used on 12 gauge - 20 amp circuit.
NOTE: AWG = American Wire Gauge

When working with the tool outdoors, use an extension cord that is designed for outside use. This is indicated by the letters "W-A" or "W" on the cord's jacket.

Before using an extension cord, inspect it for loose or exposed wires and cut or worn insulation.

⚠ WARNING

Keep the extension cord clear of the working area. Position the cord so that it will not get caught on lumber, tools or other obstructions while you are working with a power tool. Failure to do so can result in serious personal injury.

⚠ WARNING

Check extension cords before each use. If damaged replace immediately. Never use tool with a damaged cord since touching the damaged area could cause electrical shock resulting in serious injury.

ELECTRICAL CONNECTION

This tool is powered by a precision built electric motor. It should be connected to a power supply that is 120 volts, AC only (normal household current), 60 Hz. Do not operate this tool on direct current (DC). A substantial voltage drop will cause a loss of power and the motor will overheat. If the tool does not operate when plugged into an outlet, double check the power supply.

SPEED AND WIRING

The no-load speed of this tool is approximately 2,800 rpm. This speed is not constant and decreases under a load or with lower voltage. For voltage, the wiring in a shop is as important as the motor's horsepower rating. A line intended only for lights cannot properly carry a power tool motor. Wire that is heavy enough for a short distance will be too light for a greater distance. A line that can support one power tool may not be able to support two or three tools.

GROUNDING INSTRUCTIONS (FIG. 1)

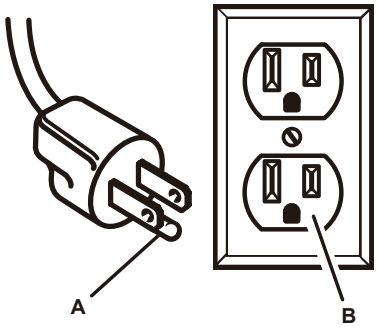


Fig. 1

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

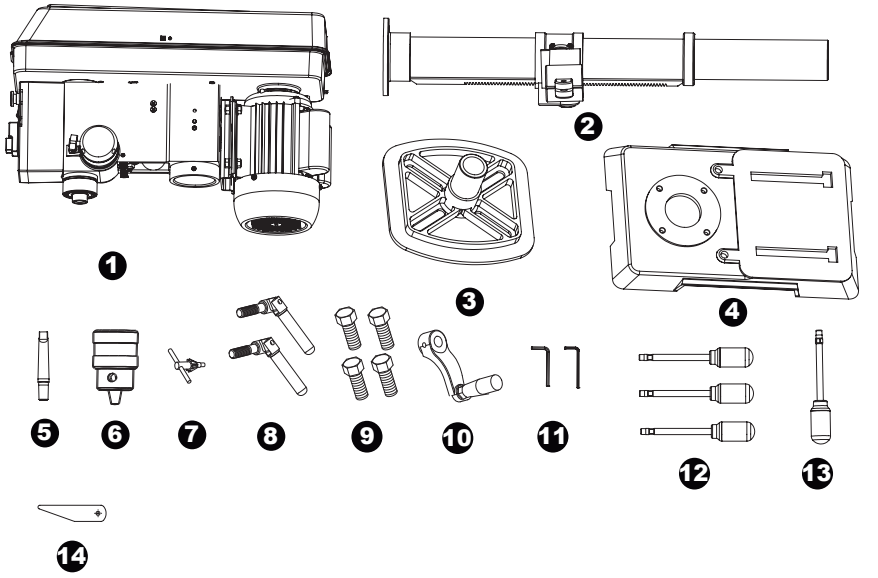
Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Repair or replace a damaged or worn cord immediately.

This tool is intended for use on a circuit that has an outlet like the one shown in Figure 1. It also has a grounding pin like the one shown.

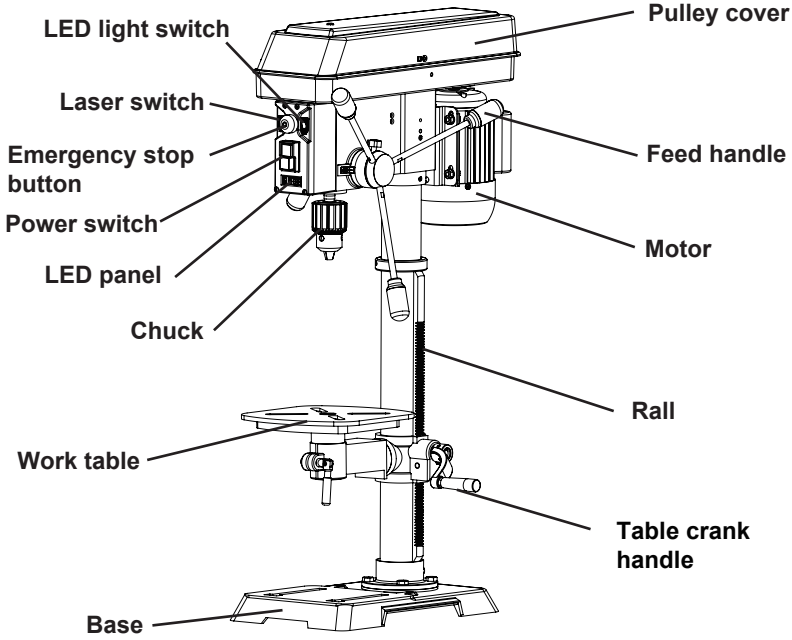
Package contents

No.	Description	Qty.
1	Head Assembly	1
2	Column Assembly	1
3	Work Table	1
4	Base	1
5	Chuck Arbor	1
6	Chuck	1
7	Chuck Key	1
8	Table Lock Handles	2
9	Hex Head Bolts	4
10	Table Crank Handle	1
11	Hex Wrenches (3mm & 4mm)	2
12	Feed Handles	3
13	Speed Handle	1
14	Wedge	1



KEY PARTS DIAGRAN

Key parts diagram



UNPACKING

This product requires assembly.

1. Carefully remove the tool and any accessories from the box. Place it on a level work surface.

NOTE: This tool is heavy. To avoid back injury, lift with your legs, not your back, and get help when needed.

⚠ WARNING

Do not use this product if any parts on the Loose Parts List are already assembled to your product when you unpack it. Parts on this list are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.

2. Inspect the tool carefully to make sure no breakage or damage occurred uring shipping.

3. Do not discard the packing material until you have carefully inspected the tool, identified all loose parts, and satisfactorily operated the tool.

⚠ WARNING

If any parts are damaged or missing, do not operate this tool until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

⚠ WARNING

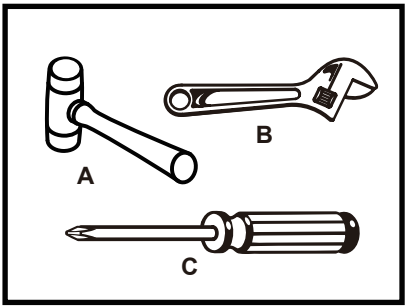
Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

supply until assembly is complete. Failure to comply
starting and possible serious personal injury.

TOOLS NEEDED

The following tools (not included or drawn to scale) are needed for assembly:

A. Mallet or hammer
B. Adjustable wrench
C. Phillips screwdriver



ATTACHING COLUMN TO BASE

1. Place the column assembly (1) on the base (2), aligning the column support holes to the base holes.
2. Install a hex head bolt (3) in each column support hole and tighten bolts using the adjustable wrench (not included).

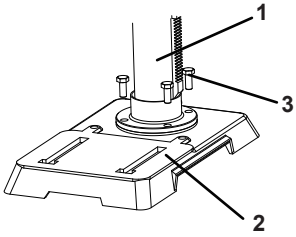
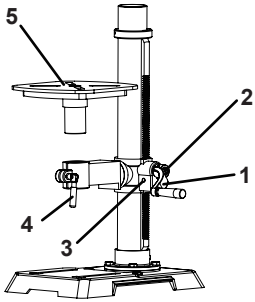


TABLE TO TABLE SUPPORT BRACKET

1. Place the crank handle (1) onto the shaft (2) of the table bracket so the flat of the shaft is under the set screw (3). Tighten the set screw.
2. Thread the table lock handle (4) into the front of the table support bracket.
3. Thread the table support lock handle into the rear of the table support bracket (not shown).
4. Position the table (5) in the same direction as the base. Install the table and tighten the table lock handle (4) and support lock handle.

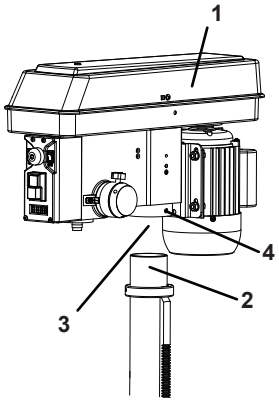


DRILL PRESS HEAD TO COLUMN

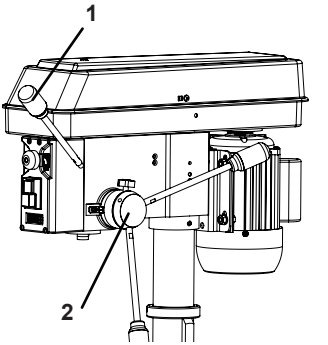
⚠ WARNING

The drill press head is heavy. To avoid injury, two people should lift it into position.

1. Carefully lift the drill press head assembly (1) and position it over the column (2).
2. Place the mounting opening (3) on the drill press head over the top of the column. Make sure the drill press head is seated properly on the column.
3. Align the direction of the drill press head with the direction of the base and the table.
4. Tighten the set screw (4) using the included hex wrench.



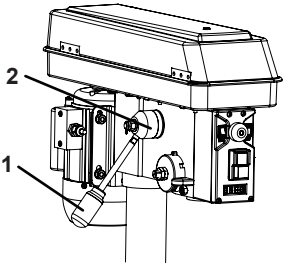
FEED HANDLES



1. Insert the three feed handles (1) into the threaded openings on the feed hub (2).
2. Manually tighten the handles into the openings. Use an adjustable wrench (not included) to grip the flats on the handles and fully tighten them.

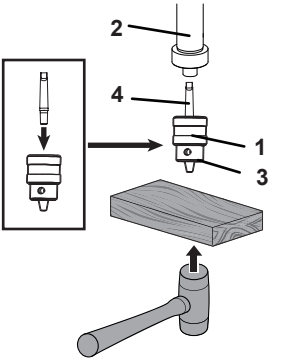
NOTE: When using the drill press, one or two of the feed handles may be removed if an unusually-shaped workpiece interferes with the handle rotation.

SPEED HANDLE



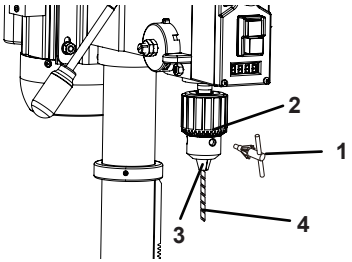
1. Insert the speed handle (1) into the threaded opening on the speed hub (2).
2. Manually tighten the handle into the openings. Use an adjustable wrench (not included) to grip the flats on the handles and fully tighten them.

INSTALL THE CHUCK



1. Inspect and clean the taper hole in the chuck (1) and the spindle (2). Remove all grease, coatings, and particles from the chuck and spindle surfaces with a clean cloth.
2. Open the chuck jaws (3) by manually turning the chuck barrel clockwise. Make sure the jaws are completely recessed inside the chuck.
3. Insert the chuck arbor (4) into the opening at the top of the chuck.
4. Insert the arbor into the spindle. Rotate it until the tang of the arbor (the flats on the end) is aligned with the slot in the spindle, and the chuck and arbor can be pushed upwards. Seat the chuck by placing a block of wood (not included) below the chuck and firmly tapping the wood once with a hammer. Alternatively, firmly tap the chuck once with a rubber mallet or dead-blow hammer (not included).
5. If the chuck or arbor fail to seat properly, they may not be clean enough. Remove them and thoroughly clean the mating surfaces, then try again. Ensure all dust, debris, and liquids are removed from the surfaces, and that neither surface is damaged.

INSTALLING A DRILL BIT

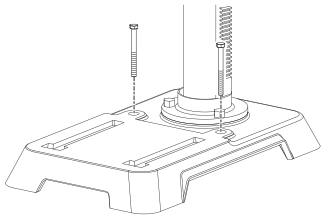


1. Place the chuck key (1) into the side keyhole of the chuck (2), meshing the key with the gear teeth.
2. Turn the chuck key counterclockwise to open the chuck jaws (3).
3. Insert a drill bit (4) into the chuck far enough to obtain the maximum grip of the chuck jaws on the bit shank.
4. Center the drill bit in the chuck jaws before the final tightening of the chuck.
5. Tighten the chuck jaws using the chuck key to ensure that the drill bit will not slip while drilling. Tighten all three keyholes on the chuck.
6. Remove the chuck key and place it back on the onboard storage.

MOUNTING THE DRILL PRESS

If the drillpss is to be used in a permanent location secu it to a workbench or other stable surface.

If the drill press is to be used as a portable t ool, fasten it permanently to a mounting board that can easily be clamped to a workbench or other stable surface.The mounting board should be of sufficient size to avoid tipping while drill press is in use. Any good grade plywood or chipboarwith a 3/4 in. t ckness is recommended.



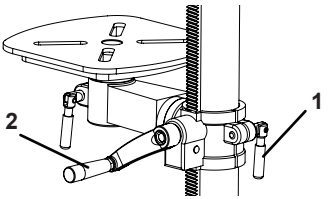
1. Mark holes on surface where drill press is to be mounted using holes in drill press base as a template for hole pattern.
2. Drill holes through mounting surface.
3. Place drill press on mounting surface, aligning holes in the base with holes drilled in the mounling surface.
4. Insert bolts (not included) and tighten securely with lock washers and hex nuts (not included).
5. If lag bolts are used,make sure they are long enough to go through holes in drill press base and material the drill press is being mounted to. If machine bolts are used make sure bolts are long enough to go through holes in drill press,the material being mounted to,and the lock washers and hex nuts.

NOTE: All bolts should be inserted from the top. Install the lock washers and hex nuts from the underside of the workbench.

Once the drill press is securely mounted on a sturdy surface:

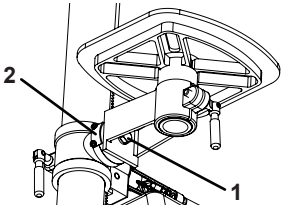
- Check for vibration when the motor is switched ON.
- Adjust andretighten the mounting hardware as necessary.
- Check the table assembly to assure smooth movement up and down the column.
- Check to assure that the spindle shaft moves smoothly.

RAISE OR LOWER THE TABLE



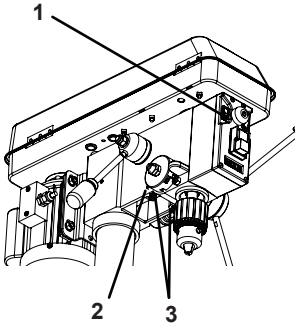
1. Loosen the support lock handle (1) and turn the crank handle (2) until the table is at the desired height.
2. Tighten the support lock handle before drilling.

TILT THE TABLE



1. Loosen the bevel lock bolt (1) by turning it counterclockwise with an adjustable wrench (not included).
2. Tilt the table to the desired angle, using the bevel scale (2) as a basic guide.
3. Re-tighten the bevel lock bolt.

ADJUSTING THE LASER



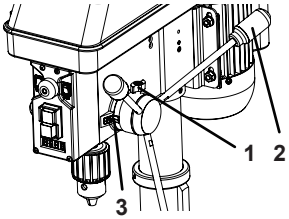
1. Place a workpiece on the table.
2. Turn the laser switch (1) to the ON position.
3. Lower the drill bit to meet the workpiece. The two laser lines should cross where the drill meets the workpiece.
4. If the laser needs to be adjusted:

a. Using the included 3 mm hex key, turn the laser adjustment set screws (2) counterclockwise. There is one of each side of the head.

b. Rotate the laser light housing (3) until the two laser lines intersect where the drill meets the workpiece.

5. Re-tighten the adjustment set screws (2).

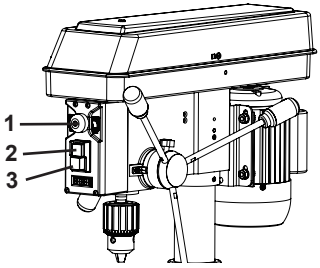
DEPTH ADJUSTMENT



1. Slightly loosen the depth adjustment knob (1) anticlockwise.
2. Rotate the feed handle (2) to lower the drill bit to the required depth, until the pointer (3) aligns with the desired value on the depth scale.
3. To set the drilling depth, tighten the depth adjustment knob (1) clockwise. Return the feed handle (2) to its initial position afterwards.

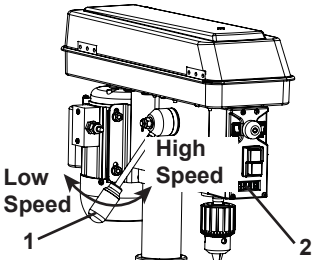
SWITCHING ON/OFF

1. Turn the emergency STOP button (1) clockwise to release it, if it has already been activated.
2. Switch the product on by pressing the green ON button I (2) and wait until the drill bit has reached maximum speed.
3. Switch the product off by pressing the red Off button O (3) or pressing the emergency STOP button (1) in an emergency.



SPEED ADJUSTMENT

1. Turn the belt tension handle (1) upward to increase the belt speed.
2. Turn the belt tension handle (1) downward to decrease the belt speed.
3. Read the actual speed displayed on the LED panel (2).

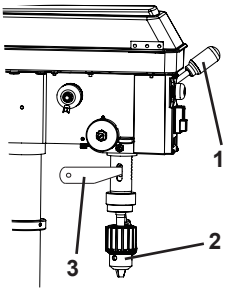


DRILL BIT SIZE RECOMMENDATIONS						
RPM	Wood		Aluminum, Zinc, Brass		Iron, Steel	
2000 to 3200	3/8 in.	9.5 mm	7/32 in.	5.6 mm	3/32 in.	2.4 mm
1400 to 2000	5/8 in.	16 mm	11/32 in.	8.75 mm	5/32 in.	4 mm
1000 to 1400	7/8 in.	22 mm	15/32 in.	12 mm	1/4 in.	6.4 mm
800 to 1000	1-1/4 in.	31.75 mm	11/16 in.	17.5 mm	3/8 in.	9.5 mm
580 to 800	1-5/8 in.	41.4 mm	3/4 in.	19 mm	5/8 in.	16 mm

REMOVE THE CHUCK

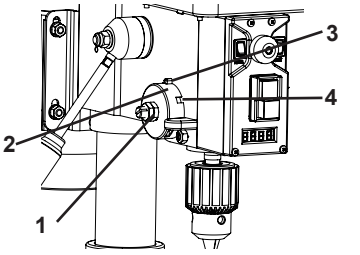
1. Turn the feed handles (1) to lower the chuck (2) to the lowest position.
2. Insert the drift key (3) into the opening in the quill. Gently tap on the wedge using a rubber mallet (not included). The chuck and arbor will drop out.

NOTE: To avoid possible damage to the drill or chuck, be prepared to catch the chuck as it falls.



SPINDLE RETURN SPRING

The spindle is equipped with an auto-return mechanism. The main components are a spring and a notched housing. The spring was properly adjusted at the factory and should not be readjusted unless absolutely necessary.



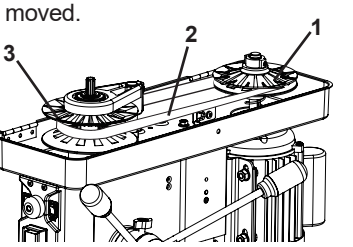
1. Unplug the drill press.
2. Loosen the two housing nuts (1) approximately 1/4" (6 mm). Do not remove the nuts from the threaded shaft. Do not allow the spring or spring housing to slip out of control.
3. While firmly holding the spring housing (2), carefully pull spring housing out until it clears the raised stop (3).
4. Turn the housing so that the next notch (4) is engaged with the raised stop (3).

• To increase the spindle return tension, turn the spring housing counter-clockwise.
• To decrease the tension, turn the spring housing clockwise.

5. Tighten the two housing nuts. Do not overtighten the two nuts. If the nuts are tightened too much, the movement of the spindle and feed handles will become sluggish.

REPLACING THE BELT

Belt tension and drill press speed is controlled by automatic adjustments made to the diameter of the front spindle when the speed handle is moved.



1. Plug in the drill press and turn it ON. Adjust the speed to the highest setting, then turn the drill press OFF and unplug it.
2. Open the belt cover, remove the Phillips-head screw from the right side, then open the lid.
3. Press down on the bottom side of the motor pulley (2). This will loosen the belt tension. Work the belt (1) off the pulleys.
4. Place the new belt on the motor pulley (1), then press down on the bottom side of the pulley as before and get the belt as close to the motor shaft as possible. Make sure the bottom side of the pulley is pushed fully downward.
5. Work the belt around the spindle pulley (3). The belt will not be taut, but will self-seat later.
6. Close and secure the belt cover.
7. Plug in and turn ON the drill press. The belt will self-seat and achieve proper tension on its own.

DRILLING METAL

- Use metal-piercing twist drill bits.
- It is always necessary to lubricate the tip of the drill with oil to prevent overheating of the drill bit.
- All metal workpieces should be clamped down securely. Any tilting, twisting, or shifting causes a rough drill hole, and increases the potential of drill bit breakage.
- Never hold a metal workpiece with your bare hands. The cutting edge of the drill bit may seize the workpiece and throw it, causing serious injury. The drill bit will break if the metal piece suddenly hits the column.
- If the metal is flat, clamp a piece of wood under it to prevent turning. If it cannot be laid flat on the table, then it should be blocked and clamped.

DRILLING WOOD

- Brad point bits are preferred. Metal piercing twist bits may be used on wood.
- Do not use auger bits. Auger bits turn so rapidly that they can lift the workpiece off of the table and whirl it around.
- Always protect the drill bit by positioning the table so that the drill bit will enter the center hole when drilling through the workpiece.
- To prevent splintering, feed the drill bit slowly right as the bit is about to cut through to the backside of the workpiece.
- To reduce splintering and protect the point of the bit, use scrap wood as a backing or a base block under the workpiece.

FEEDING THE DRILL BIT

- Pull down on the feed handles with only enough force to allow the drill bit to cut.
- Feeding too rapidly might stall the motor, cause the belt to slip, damage the workpiece, or break the drill bit.
- Feeding too slowly will cause the drill bit to heat up and burn the workpiece.

ROUTINE INSPECTION

Before each use, inspect the general condition of the tool. If any of these following conditions exist, do not use until parts are replaced.

CHECK FOR:

- Loose hardware or improper mounting,
- Misalignment
- Damaged cord/electrical wiring,
- Cracked or broken parts, and
- Any other condition that may affect its safe operation

CAUTION:
Most plastics are susceptible to damage from various types of commercial solvents. Do not use any solvents or cleaning products that could damage the plastic parts. Some of these include but are not limited to: gasoline, carbon tetrachloride, chlorinated cleaning solvents, and household detergents that contain ammonia.

CLEANING & STORAGE

1. After every operation, use a vacuum to remove sawdust or metal shavings from the tool surfaces, motor housing and work area. Keep the ventilation openings free from dust and debris to prevent the motor from overheating.
2. Wipe the tool surfaces clean with a soft cloth or brush. Make sure water does not get into the tool.
3. Apply a light coat of paste wax to the column and table to help keep these surfaces clean and rust free.
4. Store the tool in a clean and dry place away from the reach of children.

LUBRICATION

The ball bearings in the spindle and the V-belt pulley assembly are greased and permanently sealed, and require no lubrication. Pull the spindle down and oil the quill moderately every three months.
Lubricate the table bracket and locking knobs if they become difficult to use.

PRODUCT DISPOSAL

Used power tools should not be disposed of together with household waste. This product contains electronic components that should be recycled. Please take this product to your local recycling facility for responsible disposal and to minimize its environmental impact.

TROUBLESHOOTING

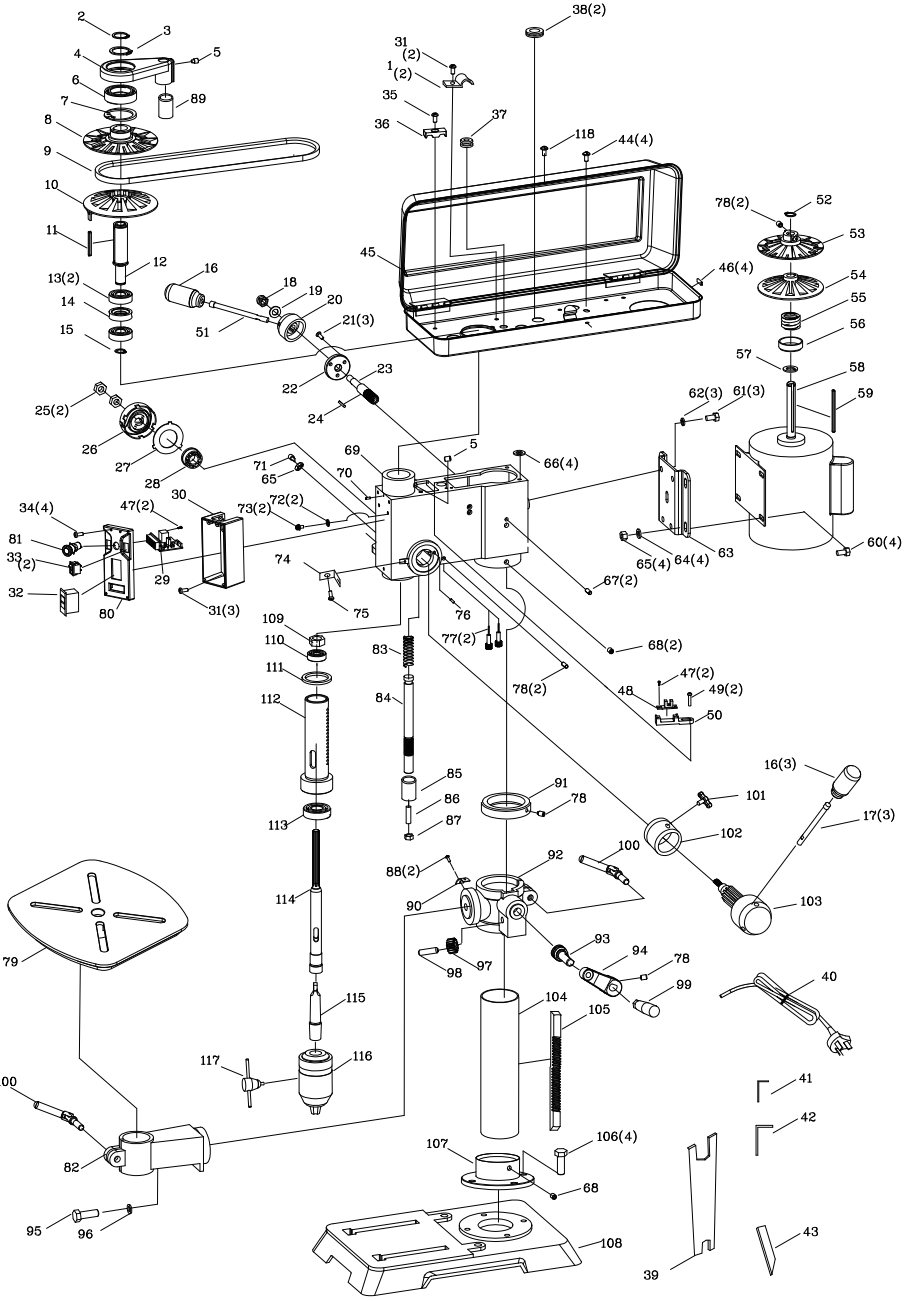
⚠ WARNING

To avoid injury from an accidental start, turn the switch OFF and always remove the plug from the power source before making any adjustments.

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Noisy operation or excessive vibration	1) Incorrect belt tension 2) Dry spindle 3) Loose spindle pulley 4) Loose motor pulley 5) Seized motor pulley	1) Adjust the belt tension. 2) Lubricate the spindle. 3) Tighten the set screws on the side of the spindle pulley. 4) Tighten the set screws on the side of the motor pulley. 5) Lubricate motor pulley and motor shaft; ensure that pulley opens and closes when machine is ON and speed is adjusted.
The drill bit burns or smokes	1) Drilling at the incorrect speed 2) The wood chips are not coming out of the hole 3) Dull drill bit 4) Feeding the workpiece too slowly 5) Not lubricated	1) Change the speed. 2) Retract the drill bit frequently to clear the chips. 3) Resharpen or replace the drill bit. 4) Feed fast enough to cut the workpiece. 5) Lubricate the drill bit with cutting oil or motor oil.
Excessive drill run out or wobble; drilled hole is not round	1) Bent drill bit 2) Bit improperly installed in the chuck 3) Worn spindle bearings 4) Lengths of cutting flutes or angles not appropriate for the hardness of the wood grain 5) Chuck not properly installed	1) Replace the drill bit. 2) Reinstall the bit. 3) Bearings may need replacement. 4) Resharpen the drill bit correctly or replace with the appropriate type. 5) Reinstall the chuck.
Drill bit binds in the workpiece	1) The workpiece is pinching the bit 2) Excessive feed pressure	1) Support or clamp the workpiece. 2) Feed more slowly.
Spindle returns too slowly or too quickly	Coil spring has improper tension	Adjust the coil spring tension.

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Chuck falls off spindle	Dirt, grease, or oil on the tapered surface on the spindle or in the chuck	Clean the tapered surface of both the chuck and spindle with a household detergent.
Motor will not run	1) Defective or broken switch 2) Defective or damaged power cord 3) Open circuit, loose connections, or burned . out motor 4) Low voltage 5) Bad starting capacitor 6) Worn centrifugal switch contacts	1) Contact customer service 2) Contact customer service 3) Contact customer service 4) Check the power line for the proper voltage. Use another circuit or have a qualified electrician upgrade the service. 5) Contact customer service 6) Contact customer service
Motor stalls	1) Short circuit in motor 2) Incorrect fuses or circuit breakers 3) Overloaded circuit 4) Low voltage	1) Contact customer service 2) Replace with correct fuse or circuit breaker for the circuit. 3) Turn off other machines and retry. 4) Check the power line for the proper voltage. Use another circuit or have a qualified electrician upgrade the service.

EXPLODED VIEW



Item	Description	QTY.
1	Cord Clamping Hook	2
2	Circlip for Shaft φ24	1
3	Circlip for Shaft φ35	1
4	Cam	1
5	Screw M8x12	2
6	Bearing	1
7	Elastic Ring, Type A, Ø55	1
8	Spindle Movable Pulley	1
9	Cogged V-belt	1
10	Spindle Fixed Pulley	1
11	Flat Key A4*4*64	1
12	Spindle Sleeve	1
13	Bearing 61905	2
14	Retainer	1
15	Circlip for Shaft φ25	1
16	Handle Knob	4
17	Handle	3
18	Nut M10	1
19	Belleville Spring	1
20	Handle Seat	1
21	Screw M5x10	3
22	Speed Adjustment Base	1
23	Gear Shaft	1
24	Flat Key A3*3*25	1
25	Hex Nut M12	2
26	Coil Spring Assembly	1
27	Spring Baffle	1
28	Bushing	1
29	Digital Display	1
30	Switch Box	1

Item	Description	QTY.
31	Philips Screw M5x12	5
32	Power Switch	1
33	Lamp/Laser Switch	1
34	Philips Screw ST4.2x20	4
35	Philips Screw M5x14	1
36	Cord Clamping Plate	1
37	Cord Bushing	1
38	Rubber Bushing	2
39	Wrench	1
40	Power Cord	1
41	Inner Hex Wrench S3	1
42	Inner Hex Wrench S4	1
43	Wedge Block	1
44	Screw M6x12	4
45	Belt Housing Assembly	1
46	Sealant Tape	4
47	Philips Screw ST2.9x6.5	4
48	Photoelectric Counter	1
49	Philips Screw Assy M4x20	2
50	Counter Base	1
51	Variable Speed Handle	1
52	Circlip for Shaft φ14	1
53	Motor Fixed Pulley	1
54	Motor Movable Pulley	1
55	Motor Compression Spring	1
56	Spring Base	1
57	Spring Washer	1
58	Motor Assembly	1
59	Flat Key A4*4*80	1
60	Hex Screw M8x18	4

PARTS LIST

Item	Description	QTY.
61	Hex Bolt M8x12	3
62	Spring Washer D8	3
63	Motor Plate	1
64	Flat Washer D8	4
65	Hex Nut M8	5
66	Damping Pad	4
67	Spring Pin 6x15	2
68	Screw M8x8	3
69	Head	1
70	Spring Pin 5x13	1
71	Quill Set Screw	1
72	Tooth Lock Washer D5	2
73	Philips Screw Assy M5x8	2
74	Pointer	1
75	Philips Screw Assy M4x6	1
76	Screw M6x12	1
77	Laser	2
78	Inner Hex screw M6x10	6
79	Work Table	1
80	Switch Box Cover	1
81	Stop Button	1
82	Table Arm	1
83	Rack Compression Spring	1
84	Rack Shaft	1
85	Rack Bushing	1
86	Inner Hex screw M8x60	1
87	Lock Nut M8	1
88	Philips Screw Assy M4x7	2
89	Limit Sleeve	1

Item	Description	QTY.
90	Bevel Indicator	1
91	Rack Collar	1
92	Table Support	1
93	Worm Gear	1
94	Crank Handle	1
95	Hex Bolt M12x35	1
96	Spring Washer D12	1
97	Inner Gear	1
98	Inner Gear Shaft	1
99	Handle	1
100	Column Clamp	2
101	Plistic Handle	1
102	Gauge Block	1
103	Shaft Assy	1
104	Column	1
105	Rack	1
106	Hex Bolt Assy M10x25	4
107	Column Base	1
108	Base	1
109	Hex Nut M14	1
110	Bearing 6002RZ	1
111	Rubber Washer	1
112	Quill	1
113	Bearing 6204RZ	1
114	Main Shaft	1
115	Chuck Arbor	1
116	Chuck	1
117	Chuck Key	1
118	Philips Screw M5x12	1

NOTE:

2 YEAR LIMITED WARRANTY

TWO-YEAR LIMITED WARRANTY

Having Problems ?
Give us a chance to help you before returning this product

Email : service@bucktool.com

https://www.bucktool.com

909-255-1088 (8AM-5PM PST)

Instagram BUCKTOOLS

Bucktool

https://www.bucktool.com