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Item #21285

ELECTRIC DRILL

INSTRUCTIONS



The **EASTWOOD ELECTRIC DRILL** is great for use on virtually all metals including steel, aluminum, brass and more. The powerful 6.3 Amp motor and 1/2" capacity chuck powers drill bits though projects cleanly and with ease. Drills wood, fiberglass and other materials equally well. Features a "plugged-in" indicator lamp and a "lock-on" trigger with an auxiliary handle for safety and convenience.

INCLUDES

- (1) Electric Drill
- (1) Chuck Key
- (1) Auxiliary Handle

SPECIFICATIONS

Input Voltage:	120 VAC, 60 Hz
Input Amperage:	6.3 Amps
Plug Type:	2-prong, polarized
Cord Length:	7'- 6"
Certification:	ETL
No-Load Speed:	1200 RPM
Maximum Chuck Capacity:	1/2"



IMPORTANT SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠ NOTICE

NOTICE is used to address practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

GENERAL SAFETY RULES

WARNING

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) WORK AREA SAFETY

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

3) PERSONAL SAFETY

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

4) POWER TOOL USE AND CARE

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

5) SERVICE

- a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY INFORMATION



⚠ WARNING SHOCK HAZARD!

- Never operate or store Drill in damp or wet conditions.
- Plug into a minimum 15 amp circuit. If using an extension cord, it must be AWG 16 or greater, no longer than 25'.
- If drilling into wall or other blind areas, first check for the presence of electrical or other utility lines.



⚠ WARNING HEALTH AND INJURY HAZARDS!

- Dust and fine particles are generated while drilling which can contain hazardous or toxic substances. Breathing this dust can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this Drill.
- This Drill can eject chips, particles and debris at high velocity during operation. Wear ANSI approved eye protection at all times while operating.
- The rotating Chuck and drill bits can quickly catch loose clothing, long hair or jewelry causing serious personal injury. Keep all loose clothing, long hair and jewelry away from operating Drill.
- This Drill can quickly start up when handling while plugged into an electrical supply causing serious personal injury. Always unplug the tool from the electrical supply before changing bits or performing maintenance.
- Sharp metal edges can cut. Always wear protective work gloves while handling.
- Rotating drill bits and other accessories can quickly cause cuts. Keep hands and fingers away from bits and other accessories.
- This Drill can quickly and violently kick back or twist while operating causing severe hand and or wrist injury. Do not apply excessive force to Drill while in use. Always make sure the workpiece or material being drilled is securely clamped or anchored to allow two handed operation of the Drill.
- Damaged drill bits and accessories can break at high speed causing personal injury or property damage. If excessive vibration is felt, discontinue use immediately and disconnect tool from electrical supply. Inspect bit or accessory for damage. Do not resume use until resolution is found.



ADDITIONAL SAFETY INFORMATION



⚠ CAUTION

- This Drill with attached bits or other accessories can eject a trail of sparks at high speed which can ignite flammable materials or injure others nearby. Do not operate in the vicinity of flammable materials and keep all persons and pets away from the work area.

SET-UP

- Attach the Auxiliary Handle by threading it securely into the tapped holes in either the right or left side of the gearcase (**FIG 1**).

DRILL BIT OR ACCESSORY INSTALLATION

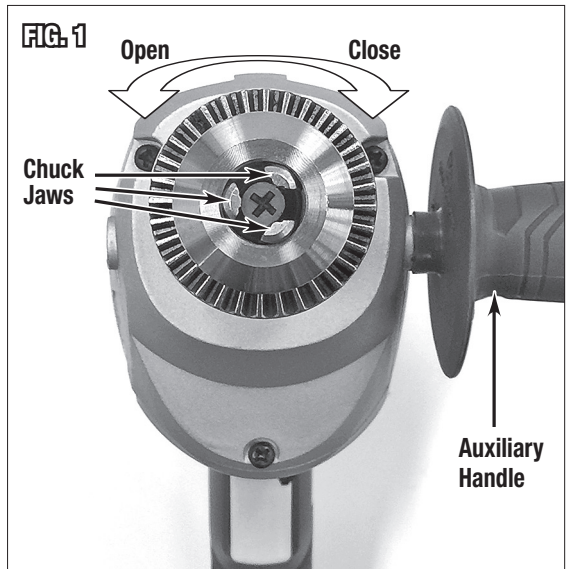
⚠ WARNING

This Drill can quickly start up when handling while plugged into an electrical supply causing serious personal injury. Always unplug the Drill from the electrical supply before changing bits or performing maintenance.

⚠ WARNING

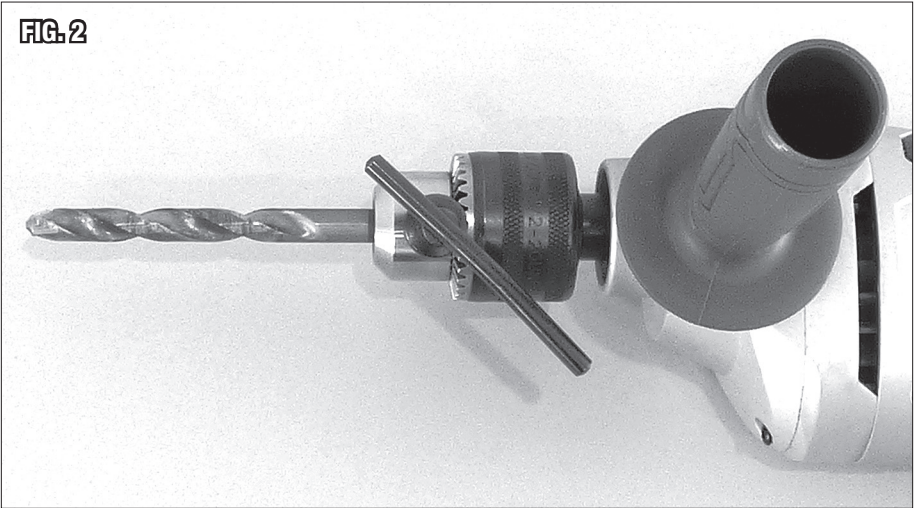
Sharp drill bit edges and metal can cut. Always wear protective work gloves while handling.

- Rotate the Chuck counter-clockwise (as viewed from the front end of the Drill) to open Chuck Jaws (**FIG 1**).



- Place the shank of a drill bit or accessory (not Included) down into the Chuck Jaws until it is fully seated (**FIG 2**).
- Rotate the Chuck Clockwise (as viewed from the front end of the Drill) to close Chuck Jaws and tighten securely with the included Chuck Key (**FIG 2**).

FIG. 2



OPERATION

⚠ CAUTION

Always operate the Drill with two hands. Failure to do so could cause serious personal injury.

⚠ NOTICE

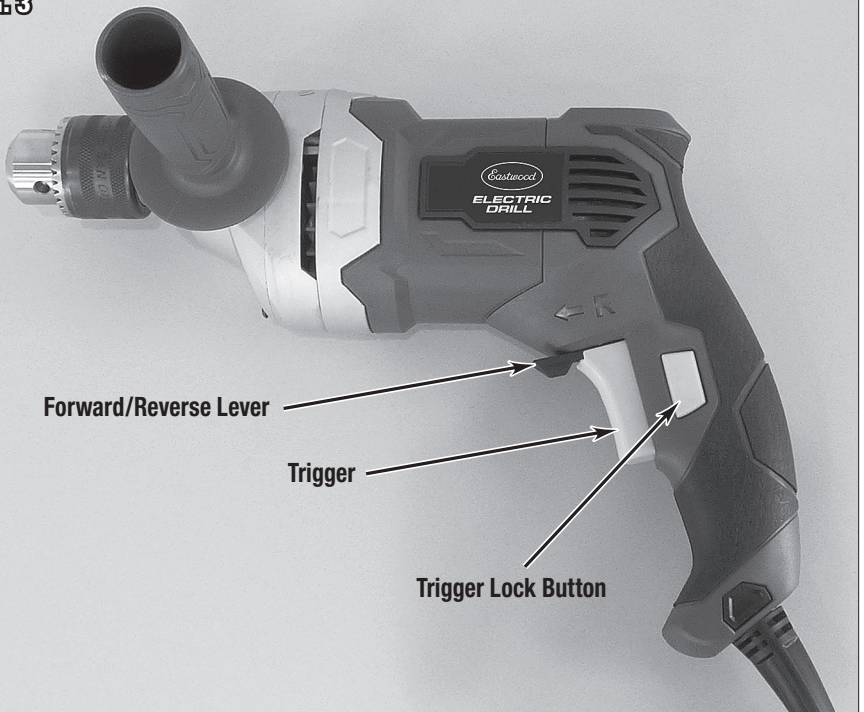
The Drill features a convenient power supply indicator located at the top rear of the housing which illuminates amber whenever the power cord is plugged in.

- While holding the Drill securely in two hands, depress the Trigger located at the inner surface of the Drill body handle (**FIG 3**).

⚠ NOTICE

This Drill is equipped with a Variable Speed Trigger Control. The motor speed will increase the farther the Trigger is pressed.

FIG. 3



- To begin drilling, allow several seconds for the motor to reach full speed then gently feed the drill bit into the workpiece.
- Slowly and steadily allow the rotating bit to do the drilling.

⚠ WARNING

DO NOT force the Drill forward or kickback could quickly occur causing severe injury!

⚠ NOTICE

To avoid hand fatigue, this Drill features a Trigger Position Lock which functions on full speed only. To engage it, depress the Trigger fully then push in the Trigger Lock Button located on the left side of the Handle adjacent to the Trigger (Fig 3). To release it, simply depress the Trigger once again.

- When the drilling is complete, release trigger and allow the drill to stop rotating before pulling the drill bit away from the workpiece.
- The Forward and Reverse feature is activated by shifting the Lever located at the upper edge of the Trigger to the Left to rotate the Drill Clockwise (as viewed from the Drill Handle) and to the Right to rotate it in a Counterclockwise direction (as viewed from the Drill Handle) (**FIG 3**).

MAINTENANCE

IMPORTANT NOTE: The following maintenance should be performed before each use:

- Inspect Chuck for looseness or premature wear
- Clean dirt and debris from Chuck Jaws
- Clean dirt and debris from motor air cooling slots

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Does Not Run When Trigger is Depressed	No Electric Power to Drill	Check 120 VAC input plug connection.
		Check for tripped circuit breaker.
Motor Runs Too Slow/ Develops Low Power	Undersized or Too Long of an Extension Cord	Use only 16 gauge or larger cord.
		Limit length to 25'
Excessive Noise and/or Vibration	Drill Bit or Accessory is Damaged	WARNING: This is an extremely dangerous condition! Stop use and replace bit or accessory!
Motor Overheats	Excessive Pressure Being Applied to Drill Bit	Allow the rotating Bit do the drilling. Do Not force!
	Dirt and Debris Buildup in Motor Cooling Air Slots	Use a brush or compressed air to remove debris.

NOTES

ADDITIONAL ITEMS

- #28038 Sheet Metal Gauge
- #13475 Electric Metal Cutting Shears
- #28187 Bead Roller Kit
- #51088 Shrinker/Stretcher Set

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techelp@eastwood.com

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