

1/2" PNEUMATIC DRILL WITH HANDLE

INSTRUCTIONS



The **ROCKWOOD® 1/2" REVERSIBLE PNEUMATIC DRILL WITH HANDLE** is ruggedly designed for many years of reliable service. It features a positive-locking forward/reverse control. A high-torque, 5-vane, ball bearing air motor and a hardened planetary gear set provide smooth operation and long life. Speed is easily controlled with an infinitely progressive throttled trigger control.

CONTENTS

- (1) 1/2" [13mm] Reversible, Right Angle Drill
- (1) Chuck Key
- (1) 1/4" MNPT, Male quick disconnect inlet fitting
- (2) Handle
- (1) Handle Clamp



SPECIFICATIONS

- RPM:** 700 free speed
- Variable speed, 5 vane, ball bearing air motor**
- Air Consumption:** 7 CFM [198 L/min] @ 90 psi [6.2 bar]
- Inlet thread size:** 1/4" FNPT
- Maximum Chuck Capacity:** 1/2" [13mm]

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.



READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using this tool. Failure to follow all warnings can result in tool damage or serious physical injury.
- Keep these product instructions for future reference.



WARNING RESPIRATORY HAZARD!

- Dust and fine particulate matter is generated during the drilling process which can contain toxic substances such as lead, silica, solvents and others. Breathing this dust and fine particulate matter can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this Drill.



WARNING EYE INJURY HAZARD!

- Rapidly rotating surfaces can eject metal particles, dirt and debris at high velocity. Always wear ANSI approved eye protection when operating this tool.



WARNING HEARING DAMAGE HAZARD!

- This tool emits high sound levels while operating. Use ANSI approved ear protection when operating.



CAUTION BURSTING HAZARD!

- Do not exceed 90 psi (6.2 bar) of tool inlet pressure. Permanent tool damage and/or explosion could occur and cause personal injury.



⚠ CAUTION INJURY HAZARD!

- This tool has high-speed, rotating components which can quickly cause severe injury. Keep fingers and hands away from moving parts when operating. Wear thick, well-fitting work gloves and keep loose clothing, sleeves, cords, jewelry and hair away from moving parts.
- This tool could eject sparks at high speed which can ignite flammable materials or injure others nearby. Do not operate near flammable materials and keep all persons and pets away from the work area.
- Do not force drill or exert excessive side forces on tool while in use as the drill body can suddenly kick back or twist causing severe hand or wrist injury. Drill bits can suddenly break with excessive side force.
- Always make sure the workpiece is securely clamped or anchored to avoid sudden movements which could result in injury.
- Always disconnect Drill from air supply when changing drill bits or accessories to prevent accidental tool starting and potential serious injury.
- Frequently inspect Chuck and overall tool condition. If damage is discovered, discontinue tool use immediately. ONLY use drill bits or accessories rated for 700 RPM or greater use, otherwise serious injury can result in the event of failure.

⚠ CAUTION VIBRATION INJURY HAZARD!

- This Drill will vibrate during use! Repeated exposure to vibration may cause physical injury.

SET-UP

- Using a good quality Teflon sealing tape (not included), thread the 1/4" MNPT, Male quick disconnect inlet fitting into the air inlet.
- Slip the Brass Handle Clamp over the Chuck and onto the main Drill Body.

NOTE: It may be necessary to spread the Handle Clamp slightly to fit it over the Chuck (**FIG 1**).

- Compress the thread portion of the Handle Clamp together then thread the Handle onto the Handle Clamp (**FIG 2**).

NOTE: Do not fully tighten Handle until a comfortable position is found for the Handle.

FIG. 1

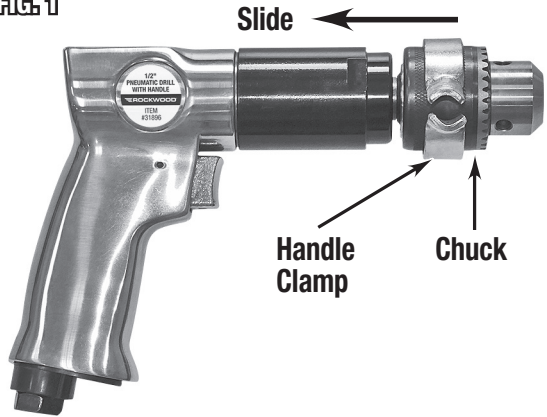
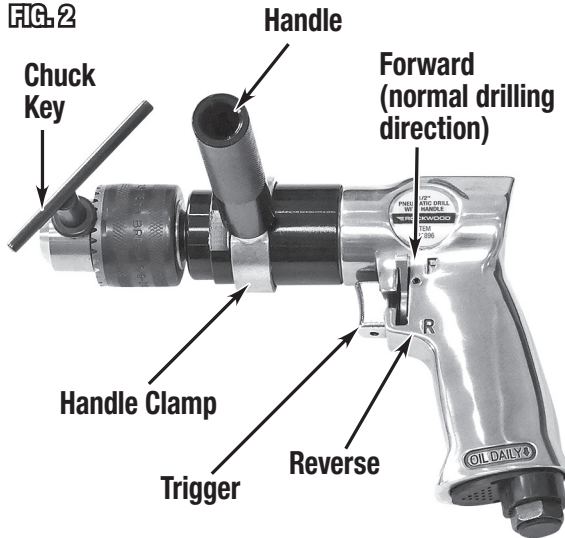


FIG. 2



CONNECTION

- Be sure that the air supply to the tool is clean and dry. Moisture in the supply line will quickly damage the motor and valves.
- A minimum 3/8" I.D. air line should be used for optimal performance.

OPERATION

- Open the Chuck Jaws by rotating the shell in a Counter-Clockwise direction (as viewed from the open end).
- Insert drill bit or accessory shank into Chuck Jaws.
- Close the Chuck Jaws by rotating the shell in a Clockwise direction (as viewed from the open end).
- Insert Chuck Key into one of three bores of the Chuck with the gear teeth engaged and turn Clockwise to tighten Chuck Jaws (**FIG 2**).

⚠ CAUTION INJURY HAZARD!
Remove Chuck Key before starting Drill.

- Connect air supply, depress Trigger to begin rotating action. Speed is regulated by pressure applied to the Trigger.
- For forward (normal drill rotation) direction, disconnect from air supply, move Forward/Reverse Lever fully to the "F" position (**FIG 2**).
- To reverse drill, disconnect from air supply, move Forward/Reverse Lever fully to the "R" position.

MAINTENANCE

- Add several drops of air tool oil before each use by dropping directly into the air inlet.
- If tool is to be unused for an extended period, add 10 drops of air tool oil directly to the air inlet, rotate the tool motor by hand several times to distribute the oil throughout the motor, then store the tool, handle up.
- With the air supply disconnected, open chuck jaws fully and using a #2 Philips screw driver, periodically check that the chuck retaining screw is tight. Note: This screw is left-hand threaded, turn counter-clockwise to tighten.

TROUBLESHOOTING

Tool doesn't respond to trigger depression	Insufficient volume of air (CFM) to operate tool	Verify sufficient air supply to tool. (7 CFM @ 90 PSI minimum requirement).
	Moisture or other contamination in air supply	Check for moisture in air line and tool air inlet.
Tool performance is slow or sluggish	Insufficient volume of air (CFM) to operate tool	Verify sufficient air supply to tool. (7 CFM @ 90 PSI minimum requirement).
	Moisture or other contamination in air supply	Check for moisture in air line and tool air inlet.
	Air Motor is lacking lubrication	Stop use immediately and add air tool oil directly to air inlet.
Tool is excessively noisy/ emits high pitched sound	Air Motor is lacking lubrication	Stop use immediately and add air tool oil directly to air inlet.
Tool vibrates excessively during use	Loose Chuck Jaws	Tighten Chuck Jaws.
	Out of balance condition from damaged Chuck	Stop use immediately, check for damaged Chuck.
	Out of balance condition from damaged drill bit or accessory	Stop use immediately, replace damaged drill bit or accessory.

ADDITIONAL ITEMS

- #43656 Titanium Step Drill Bit Set
- #15645 9 Piece, 2" Sanding & Prepping Kit
- #70491 Eastwood Industrial Air Hose, 3/8" x 25'
- #70492 Eastwood Industrial Air Hose, 3/8" x 50'

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

PDF version of this manual is available online >> eastwood.com/31896manual

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