

3" CUT-OFF TOOL

INSTRUCTIONS



USE APPROPRIATE SAFETY DEVICES
ALWAYS WEAR SAFETY GOGGLES
AND PROTECTIVE GLOVES
USE APPROPRIATE CUTTING DISC
ITEM #31741

3" CUT-OFF TOOL
ROCKWOOD
ITEM #31741

OIL DAILY

The **ROCKWOOD 3" CUT-OFF TOOL** is a heavy-duty professional quality tool ruggedly designed for many years of reliable service. It features a heavy-gauge wheel guard for maximum safety and a ball bearing motor for smooth operation and long life. Speed is easily controlled with an infinitely progressive throttled trigger control.

CONTENTS

- (1) 3" Cut-Off Tool
- (1) Flat Wrench
- (1) Hex Key Wrench, 5mm
- (1) 3" x 3/8" x 1/16",
26,000 RPM
Cut-Off Wheel
- (1) 1/4" MNPT,
Male quick-disconnect
Inlet Fitting



SPECIFICATIONS

Arbor Size:	3/8" [9.5mm]
Replacement Cut-Off Wheel Size:	3/8" [9.5mm] x 3" with a min. 18,000 RPM rating
Maximum Cutting Depth:	11/16" [17.5mm]
RPM:	18,000 free speed
Air Consumption:	6 cfm [169 L/m] @ 90 PSI [6.2 Bar]
Inlet Thread Size:	1/4" FNPT
Variable Speed, 4 Vane, Ball Bearing Air Motor	

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

- Dust and fine particles are generated while cutting 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 tool.



⚠ WARNING EYE INJURY HAZARD!

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



⚠ WARNING HEARING DAMAGE HAZARD!

- The Rockwood Pneumatic Cut-Off Tool emits high sound levels while operating. Use ANSI approved ear protection when operating this tool.



⚠ CAUTION BURSTING HAZARD!

- Do not exceed 90 psi (6.3 bar) of tool inlet pressure. Permanent tool damage and/or bursting could occur and cause personal injury.



⚠ CAUTION INJURY HAZARD!

- This tool has high-speed, highly abrasive cutting surfaces 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 will 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.
- Do not force tool or exert side forces on Cut-Off Wheel while cutting as the tool body can suddenly kick back or twist causing severe hand or wrist injury. Cut-Off Wheels can shatter with excessive side force causing them to disintegrate and eject sharp pieces at high velocity.
- Always make sure the workpiece being cut is securely clamped or anchored to avoid sudden movements which could result in injury.
- Frequently inspect Cut-Off Wheel and tool condition. If cracks or chips develop, discontinue tool use immediately and replace damaged Wheel. ONLY USE replacement Wheels rated at 18,000 RPM or greater. Severe injury can result in the event of Cut-Off Wheel failure.



⚠ CAUTION VIBRATION INJURY HAZARD!

- This tool will vibrate during use! Repeated exposure to vibration may cause physical injury. Always disconnect tool from air supply when changing Cut-Off Wheels to prevent accidental tool starting and potential severe injury.

SET-UP & CONNECTION

▲ NOTICE

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

- Wrap white thread sealing tape (not included) around the threads of the 1/4" Male NPT quick disconnect fitting, then thread it into the 1/4" NPT inlet threads of the Cut-off tool.
- Attach Air Supply to Inlet Fitting.

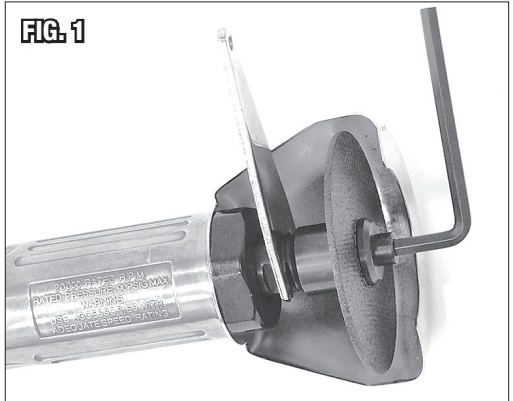
SET-UP

▲ WARNING INJURY HAZARD!

Disconnect air supply from the tool to prevent accidental starting and potential injury while installing or removing Cut-off Wheels.

- The Cut-Off Wheels are removed and installed by gripping the flats on the output shaft with the included Flat Wrench while placing the Included Hex Key Wrench into the Socket Head Wheel Retaining Screw threaded into the shaft. Turn the screw in a counter-clockwise direction when viewed from the end. Remove Retaining Washer (note outward orientation of beveled edge) then remove cutting wheel (FIG 1).

FIG. 1



- Place replacement wheel over the stepped 3/8" [9.5mm] diameter portion of the shaft, replace Retaining Washer in the proper bevel-out position then use the wrenches to tighten (FIG 1).

▲ NOTICE

Be sure the Socket Head Wheel Retaining Screw is securely tightened on the output shaft before operating tool.

OPERATION

⚠ CAUTION INJURY HAZARD!

Disconnect air supply from the tool to prevent accidental starting and potential injury while installing or removing Cut-off Wheels.

⚠ CAUTION INJURY HAZARD!

To avoid injury, only use replacement Wheels rated for High-RPM, (18,000 or greater) use.

- Connect air supply, hold tool securely and depress Paddle to begin rotating action. Speed is regulated by pressure applied to the Paddle.

MAINTENANCE

- Add several drops of air tool oil before each use 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 and gearbox then store the tool, handle up.
- With the air supply disconnected, periodically check that the Socket Head Wheel Retaining Screw is tight.

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Tool Doesn't Respond to Trigger Depression	Insufficient volume of air (CFM) to operate tool	Verify sufficient air supply to tool. (6 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. (6 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 Vibrates Excessively During Use	Out of balance condition from damaged Cutting Wheel	Stop use immediately, check for and replace cracked or broken Cutting Wheel.
	Loose Wheel Retaining Screw	Tighten loose Socket Head Wheel Retaining Screw Tool emits excessive noise during use.

ADDITIONAL ITEMS

#28105 Pack of 5, 3" x 3/8" x 1/16" Cut-Off Wheels

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 at eastwood.com

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