

Eastwood[®]

DO THE JOB RIGHT.[®]

Item #13749

3" PNEUMATIC MINI-POLISHER/SANDER INSTRUCTIONS



The **EASTWOOD 3" MINI-POLISHER/SANDER** is a compact, lightweight yet powerful tool designed for many years of reliable service. It features a high-torque, 4 vane, ball bearing motor and a hardened planetary gearset for long life. Speed is easily controlled with an infinitely progressive throttled trigger control.

CONTENTS

- (1) Mini-Polisher Tool
- (1) Flat Arbor Wrench
- (1) 3" Hook & Loop Backing Pad
- (1) 1/4" NPT Quick Disconnect Male Fitting

SPECIFICATIONS

Arbor Size: 5/16"-24 [M6 x 1.0] female thread

RPM: 2,500 RPM free speed

Operating Air Pressure: 90 psi

Air Consumption: 3 CFM [86 l/m]. @90 PSI [6.2 bar]

Inlet Thread Size: 1/4" FNPT

Variable speed, 4 vane, ball bearing air motor & planetary gear reduction

REQUIRED FOR USE

- The inlet air supply must have a moisture separator capable of removing all moisture and impurities from the air supply. Moisture and/or oil in the air supply will cause poor tool performance and damage.
- A suitable regulator must be used to limit incoming air pressure to 90 PSI maximum. Excessive air pressure can cause permanent damage to the unit and possible serious personal injury from bursting.
- For best results, a compressor capable of providing a minimum of 3 CFM @ 90 PSI is recommended for best performance. Less available CFM will negatively affect the performance of the Mini Polisher and may overwork the compressor.

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 EYE INJURY HAZARD!

- Rapidly moving abrasive 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 bursting could occur and cause personal injury.

SAFETY INFORMATION



⚠ CAUTION INJURY HAZARD!

- This tool has high-speed, abrasive surfaces which can quickly cause 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 can eject sparks which can ignite flammable materials. Do not operate near flammable materials and keep all persons and pets away from the work area.
- Always make sure the workpiece is securely clamped or anchored to avoid sudden movements which could result in injury.
- Always disconnect tool from air supply when changing Abrasive Discs or making adjustments to prevent accidental tool starting and potential severe injury.
- Frequently inspect Abrasive Disc and tool condition. If cracks develop, discontinue tool use immediately and replace damaged pad. ONLY USE replacement Abrasive Discs rated for 2,500 RPM or greater otherwise severe injury can result in the event of Disc failure.



⚠ CAUTION VIBRATION INJURY HAZARD!

- This tool will vibrate during use! Repeated exposure to vibration may cause physical 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 included 1/4" Male NPT quick disconnect fitting then thread it into the 1/4" NPT inlet threads of the Polisher Body.
- Attach Air Supply to Inlet Fitting.

OPERATION

- Depress Throttle Paddle inward with fingers to operate tool.
- Always maintain a firm grip while operating tool, do not force but allow the rotational speed of the Polishing or Sanding Pad to do the work.
- Be sure that the workpiece is clamped down or held securely to minimize the danger of injury while operating tool.

POLISHING OR SANDING PAD & DISC REPLACEMENT

⚠ WARNING INJURY HAZARD!

Disconnect air supply from the tool to prevent accidental starting and potential injury while installing or removing Polishing or Sanding Pads & Discs.

- The Hook and Loop Polishing and Sanding Discs are removed by gripping the edge and pulling away from the backing pad. When replacing a disc, be sure that it is centered over the backing pad or a dangerous out of balance condition can occur.
- To replace the 3" Hook and Loop Backing Pad, grip flats on the output shaft with the included Flat Wrench while gripping the backing pad in your fingers and loosen in a counter-clockwise direction when viewed from the end.
- Place replacement Backing Pad threaded arbor into the 5/16"-24 female threaded output shaft then use the included flat wrench to hold the shaft while the pad is tightened.
IMPORTANT NOTE: Be sure the Backing Pad is securely tightened on the output shaft before operating tool.
- Reconnect air supply; depress the throttle to begin polishing or sanding action. Speed is regulated by pressure applied to the trigger.

MAINTENANCE

- Before each use, add a few drops of a quality air tool oil (not included).
- If tool is to be unused for an extended period, add 10 drops of air tool oil directly to the air inlet then store the tool, inlet up.
- With the air supply disconnected, periodically check that the Backing Pad is not worn, torn and is mounted tightly.

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Tool Doesn't Respond To Trigger Depression	Insufficient CFM at tool inlet (3 CFM @ 90 PSI minimum for best results)	Verify sufficient air supply to tool.
	Tool contaminated by moisture	Check for moisture in air line and tool air inlet.
Tool Performance is Slow or Sluggish	Insufficient CFM at tool inlet (3 CFM @ 90 PSI minimum for best results)	Verify sufficient air supply to tool.
	Tool contaminated by moisture	Check for moisture in air line and tool air inlet.
Tool Vibrates Excessively During Use	Torn or loose Backing Pad	Stop use immediately and check for cracked or broken Backing Pad.
		Check for loose Backing Pad.
Tool Emits Excessive Noise During Use	Lack of lubrication in air motor	Stop use immediately and add a quality air tool oil to the air inlet of the Polisher/Sander.

ADDITIONAL ITEMS

- #11523 Eastwood P180 3" Hook & Loop Sanding Discs, Pack of 25
- #32251 Eastwood 3" Hook & Loop Foam Polishing Pad
- #32252 Eastwood 3" Hook & Loop Foam Cutting Pad
- #32253 Eastwood 3" Hook & Loop Foam Wool Cutting Pad
- #31667 Eastwood 3" Replacement Hook & Loop Backing Pad
- #32254 Eastwood 2" Hook & Loop Foam Polishing Pad
- #32255 Eastwood 2" Hook & Loop Foam Cutting Pad
- #32256 Eastwood 2" Hook & Loop Wool Cutting Pad
- #31663 Eastwood 2" Replacement Hook & Loop Backing Pad

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

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

PDF version of this manual is available at eastwood.com

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