

# 6" AIR ORBITAL PALM SANDER

## INSTRUCTIONS



The **ROCKWOOD 6" AIR ORBITAL PALM SANDER** is a powerful, high-speed sander designed for high-efficiency. It features a sealed ball bearing drive assembly for smooth, low vibration operation and long life. The precision diecast housing provides a solid foundation and offers ergonomic, one handed operation with speed controlled by an infinitely variable hand paddle and thumb lever speed limiting control.

## CONTENTS

- (1) Orbital Sanding Tool
- (1) 22mm Flat Wrench
- (1) 1/4" MNPT, Male Quick-Disconnect Inlet Fitting



## SPECIFICATIONS

- Sanding Disc Size & Type:** 6" [152mm] PSA Type  
**RPM:** 10,500 free speed  
**Air Consumption:** 7 CFM [198 L/min] @ 90 PSI [6.2 bar]  
**Inlet thread size:** 1/4" FNPT  
**Replacement Backing Pad:** 6" PSA with 5/16"-24 threaded post

## REQUIRED FOR USE

- The inlet air supply must have a moisture separator capable of removing all moisture and impurities from the air supply. Moisture 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 7 CFM @ 90 PSI is required while 12.5 CFM is recommended for best performance. Less available CFM will negatively affect the performance of the Sander 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**

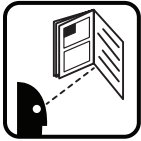
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

## **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 RESPIRATORY HAZARD!**

- Dust and fine particulate matter is generated during the sanding 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 Sander.



### **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 Rockwood Pneumatic 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.



### **⚠ 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 at 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 Backing Pad or Sanding Disc to prevent accidental tool starting and potential severe injury.
- Frequently inspect Backing Pad and tool condition. If cracks develop, discontinue tool use immediately and replace damaged pad. **ONLY USE** replacement Backing Pads rated for 10,500 RPM or greater otherwise severe injury can result in the event of Pad 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 a 1/4" Male NPT quick disconnect fitting then thread it into the 1/4" NPT inlet threads of the Sander Body.
- Attach Air Supply to Inlet Fitting.

# OPERATION

**⚠ WARNING INJURY HAZARD!**

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

- To apply a PSA (pressure sensitive adhesive) Polishing and Sanding Disc, remove the protective backing film, be certain the Disc is centered over the Backing Pad and press it in place with no wrinkles or air bubbles.

**⚠ NOTICE**

**Sanding Discs must be centered over the backing pad or a dangerous out of balance condition can occur.**

- The PSA sanding Discs are removed by gripping the edge and pulling away from the backing pad.
- Reconnect air supply; depress the throttle to begin polishing or sanding action. Speed is regulated by pressure applied to the Paddle while the Thumb Lever mounted at the air inlet is used to limit maximum speed. Rotating the Lever inward raises the speed limit while rotating it outward lowers it (Fig 1).
- The air exhaust can be adjusted a full 360° by rotating the Muffler as desired (Fig 2).

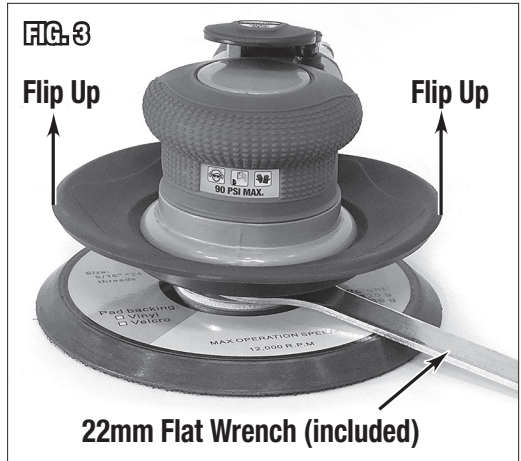


# BACKING PAD REPLACEMENT

## **⚠ WARNING** INJURY HAZARD!

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

- To replace the 6" PSA (pressure sensitive adhesive) Backing Pad, pull up on the Flexible Rubber Dust Shield, Place the 22mm Flat Wrench on the Hex of the Arbor Shaft (**FIG 3**) while gripping the Backing Pad in your fingers and loosen in a counter-clockwise direction.
- 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.



## **⚠ NOTICE**

Be sure the Backing Pad is securely tightened on the output shaft before operating tool.

# 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 tight.

# TROUBLESHOOTING

<b>Tool Doesn't Respond to Paddle Depression</b>	Insufficient CFM at tool inlet (7 CFM minimum, 12.5 for best results)	Verify sufficient air supply to tool.
	Tool contaminated by moisture	Check for moisture in air line and tool air inlet.
<b>Tool Performance is Slow or Sluggish</b>	Insufficient CFM at tool inlet (7 CFM minimum, 12.5 CFM for best results)	Verify sufficient air supply to tool.
	Tool contaminated by moisture	Check for moisture in air line and tool air inlet.
<b>Tool Vibrates Excessively During Use</b>	Cracked, broken or loose backing pad	Stop use immediately and check for cracked or broken backing pad.
		Check for loose backing pad.
<b>Tool Emits Excessive or Unusual Noise During Use</b>	Lack of lubrication in air motor	Stop use immediately and add a quality air tool oil.

# ADDITIONAL ITEMS

- #16140 Replacement Eastwood 6 Inch PSA Backing Pad
- #16141 Eastwood 6 Inch Hook and Loop Backing Pad
- #70491 Eastwood Industrial Air Hose, 3/8" x 25'
- #70492 Eastwood Industrial Air Hose, 3/8" x 50'

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**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](mailto:techelp@eastwood.com)

PDF version of this manual is available online >> [eastwood.com/31874manual](http://eastwood.com/31874manual)

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