

Eastwood[®]

DO THE JOB RIGHT.[®]

Item #31245
Item #31251

6" RANDOM ORBITAL AIR SANDER INSTRUCTIONS



Your **Eastwood 6" Random Orbital Air Sander** is a heavy-duty professional quality tool designed for many years of reliable service. It features a high-efficiency sealed ball bearing drive assembly for smooth, low vibration operation and long life. The lightweight composite housing provides a solid foundation and offers ergonomic, one-handed operation with speed controlled by an infinitely variable hand paddle and rotary knob speed limiting control.

INCLUDES:

- (1) Orbital Sanding Tool
- (1) Flat Wrench
- (1) 6" PSA (pressure sensitive adhesive) Backing Pad
- (1) 1/4" NPT Air Fitting

SPECIFICATIONS:

Arbor Size: 5/16"-24 (M6 x 1.0) female thread

Replacement Polishing & Sanding Disc Size & Type:

6" (152mm) PSA (pressure sensitive adhesive) type, min. 10,000 RPM rating

RPM: 10,000 free speed

Orbit Size:

#32145: 3/16" (4.8mm)

#32151: 3/32" (2.4mm)

Air Consumption: 6 cfm (170 l/m)

Inlet thread size: 1/4" FNPT

Variable speed, sealed ball bearing drive

SET-UP & 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.

SAFETY INFORMATION

⚠ DANGER

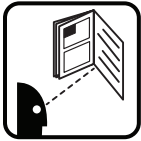
DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ 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.



⚠ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Professional Sander.
- Keep these product instructions for future reference



⚠ WARNING HEALTH AND INJURY HAZARDS!

- Dust and fine particulate matter is generated during the sanding/grinding 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.
- This Sander will eject particles, dust and sparks at high velocity during operation. Wear approved eye and skin protection at all times while operating.
- Sanding and grinding can generate excessive noise. Wear appropriate hearing protection while using.
- The rotating pad of this Sander can quickly catch loose clothing, long hair or jewelry causing serious personal injury. Keep all loose clothing, long hair and jewelry away from operating Sander.
- This Sander can quickly start up when handling while connected to an air supply causing serious personal injury. Always disconnect the Sander from the air supply before changing pads or discs.
- Rotating abrasive discs can quickly remove flesh. Keep hands and fingers away from rotating pad and always wear protective work gloves while sanding.



SAFETY INFORMATION



⚠ WARNING HEALTH AND INJURY HAZARDS!

- This Sander can quickly and violently kick back or twist while operating causing severe hand and or wrist injury. Do not apply excessive force tool while in use. Use only on broad, open spaces using care to avoid edges and corners. If smaller objects are being sanded, be sure they are securely mounted or anchored before beginning.
- Incorrectly rated pads and discs can disintegrate at high RPM causing serious personal injury. Always use replacement 6" PSA pads and discs rated for 10,000 RPM operation or greater. Damaged PSA pads or disks can disintegrate at high speed causing personal injury or property damage. If excessive vibration is felt, discontinue use immediately and disconnect Sander from air supply. Inspect PSA pad, disk and Sander for damage. Do not resume use until resolution is found.
- Excessive air pressure can cause tool to explode resulting in tool damage and personal injury. Do not exceed 90 psi [6.3 bar] of tool inlet air pressure.
- This Sander 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.

OPERATION

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

- The PSA (pressure sensitive adhesive) 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 6" PSA (pressure sensitive adhesive) Backing Pad, slide included Flat Wrench under the edge of the flexible plastic dust shield, 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 pad face.
- 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 while the rotary valve located under the throttle is used to limit maximum speed. To increase speed limitation; Rotate knob "clockwise" as viewed from above. To reduce speed limitation; Rotate knob "counter-clockwise" as viewed from top of tool body.

MAINTENANCE

- Add several drops of air tool oil before each use by turning upside down and 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 and gearbox then store the tool, handle up.
- With the air supply disconnected, periodically check that the backing pad is tight

TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE
Tool doesn't respond to trigger depression	Verify sufficient air supply to tool.
	Check for moisture in air line and tool air inlet.
Tool performance is slow or sluggish	Verify sufficient air supply to tool.
	Check for moisture in air line and tool air inlet.
Tool vibrates excessively during use	Stop use immediately & check for cracked or broken backing pad.
	Check for loose backing pad.
Tool emits excessive noise during use	Stop use immediately and add air tool oil directly to air inlet.

ADDITIONAL ITEMS

- #15144–#15151 Assorted 6" PSA (pressure sensitive adhesive) polishing and sanding discs
- #43666 Replacement 6" PSA Backing Pads
- #13000 Shop Dust Mask
- #32042 Gerson Respirator, Paint and Body Combo Kit
- #14829 Gerson One-Step Respirator

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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