

Dynastus 033010

Dynastus 6-Inch Random Orbit Air Palm Sander Instruction Manual

Model: 033010

Brand: Dynastus

INTRODUCTION

This manual provides essential information for the safe and effective operation of your Dynastus 6-Inch Random Orbit Air Palm Sander. Please read and understand all instructions before use.

The Dynastus 6-Inch Random Orbit Air Palm Sander is designed for surface preparation and final finish sanding on various materials including metals, plastics, composites, fillers, and fiberglass. Its orbital action helps achieve a smooth, swirl-free finish. The tool features a lightweight composite body and a rubberized overmold for user comfort.

Key Features

- Lightweight composite body (1.85 lbs) for durability and comfort.
- Internal silencing for reduced tool noise.
- Built-in regulator for speed adjustment.
- Velcro pad for quick and easy sanding disc changes.
- Metal touch control trigger for precise power application.
- Includes 10 sanding discs, spanner, and 1/4 NTP female plug.

SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and a dust mask when operating this tool. Ensure your work area is well-ventilated and free from obstructions. Disconnect the air supply before changing accessories or performing maintenance.

General Safety Guidelines

- Read and understand all instructions before operating the sander.
- Ensure the air compressor is capable of supplying the required air pressure and volume.

- Never point the tool at yourself or others.
- Keep hands and loose clothing away from moving parts.
- Secure the workpiece before sanding.
- Do not operate the tool if damaged.
- Store the tool in a dry, secure location when not in use.

PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Dynastus 6-Inch Random Orbit Air Palm Sander
- 10 x Sanding Discs (various grits)
- Spanner wrench
- 1/4 NTP female plug



This image displays the Dynastus 6-Inch Random Orbit Air Palm Sander along with the accessories provided in the package, including various grit sanding discs, a spanner wrench, and an air hose connector.

SETUP

1. Air Supply Connection

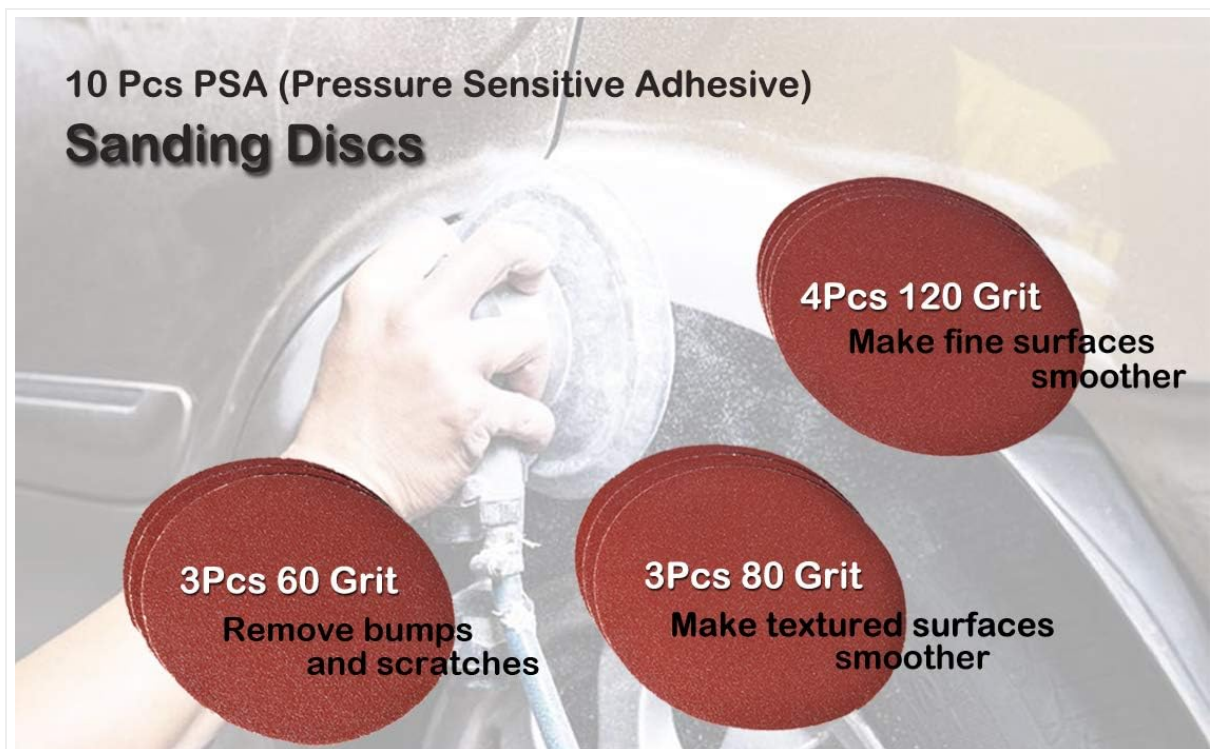
1. Ensure your air compressor is turned off and depressurized.
2. Apply thread sealant tape to the male threads of the 1/4 NTP female plug.
3. Thread the 1/4 NTP female plug into the air inlet of the sander.
4. Connect your air hose to the 1/4 NTP female plug.
5. Set your air compressor to the recommended operating pressure (refer to specifications).

2. Attaching Sanding Discs

1. Ensure the air supply is disconnected from the sander.
2. Align the sanding disc with the Velcro backing pad.
3. Press firmly to secure the disc to the pad.
4. To remove, simply peel the disc off the pad.



This image shows the Velcro-faced backing pad of the sander, designed for quick and secure attachment and removal of sanding discs.

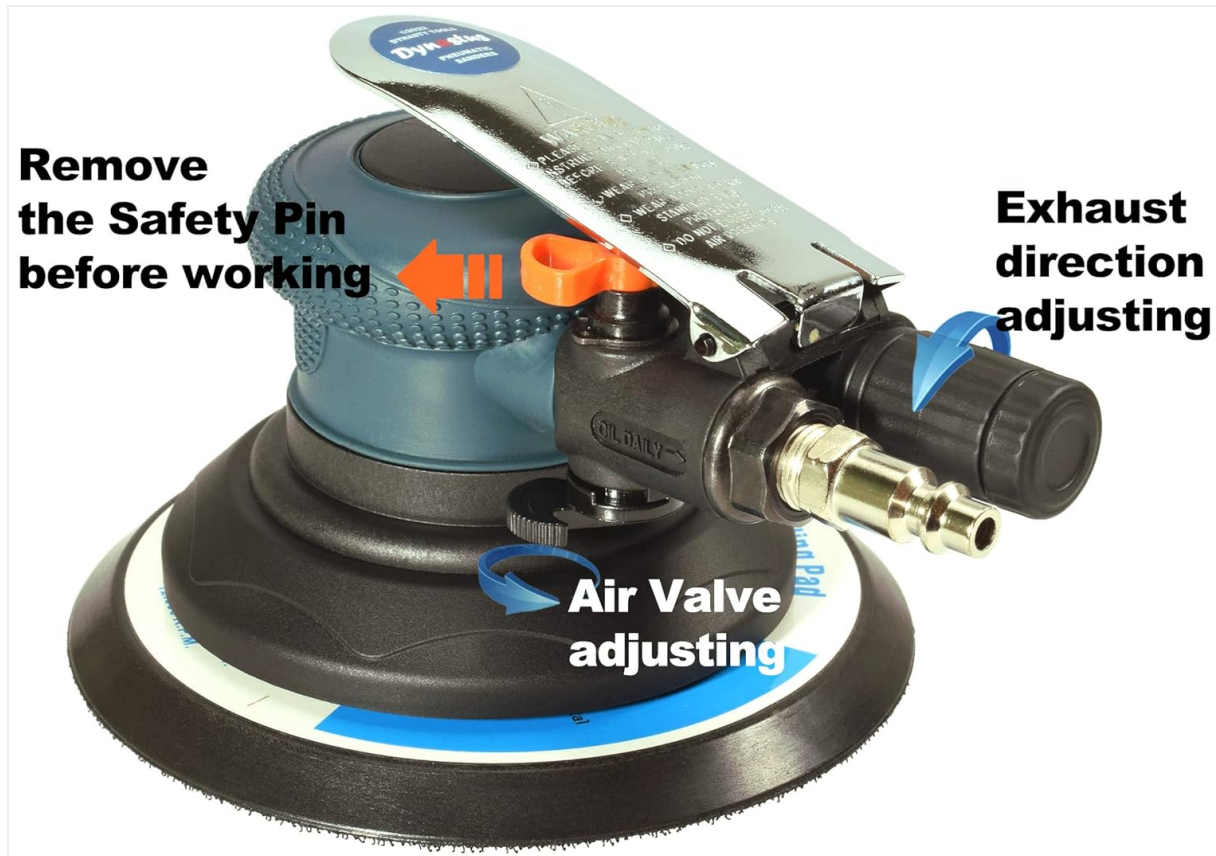


This image illustrates the included 10-piece set of Pressure Sensitive Adhesive (PSA) sanding discs, detailing the quantities of 60, 80, and 120 grit discs and their respective applications for removing bumps, smoothing textured surfaces, and achieving fine finishes.

OPERATING INSTRUCTIONS

1. Initial Checks

1. Before connecting the air supply, ensure the safety pin is removed.
2. Verify the sanding disc is securely attached.
3. Ensure the work area is clear and the workpiece is stable.



This image highlights the key adjustable components of the sander: the safety pin that must be removed before operation, the air valve for speed control, and the exhaust port for directing airflow.

2. Adjusting Air Flow and Speed

The sander features a built-in regulator to adjust the operating speed. Rotate the air valve adjusting knob to increase or decrease the air flow, thereby controlling the sander's RPM.

3. Exhaust Direction Adjustment

The exhaust port direction can be adjusted for user comfort and to direct air away from the workpiece or operator. Rotate the exhaust direction adjusting ring to set the desired direction.

4. Sanding Procedure

1. Connect the air supply.
2. Hold the sander firmly with both hands.
3. Place the sanding pad flat against the workpiece surface.
4. Gently press the metal touch control trigger to start the sander.

5. Move the sander in overlapping circular or elliptical patterns across the surface. Avoid applying excessive pressure, as the tool's weight is usually sufficient.
6. Release the trigger to stop the sander.
7. Disconnect the air supply after use.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your sander.

1. Lubrication

Apply a few drops of air tool oil into the air inlet before and after each use, or after every hour of continuous operation. This lubricates internal components and prevents corrosion.

2. Cleaning

After each use, disconnect the air supply and clean the exterior of the sander with a dry cloth. Remove any dust or debris from the sanding pad and air vents.

3. Air Filter

Regularly check and clean or replace the air filter on your air compressor to ensure clean air supply to the tool.

4. Storage

Store the sander in a clean, dry environment, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sander does not start or runs slowly.	Insufficient air pressure or volume; clogged air inlet; regulator set too low.	Check air compressor pressure and capacity; clean air inlet; adjust regulator.
Excessive vibration.	Damaged or improperly attached sanding disc; worn backing pad.	Replace sanding disc; inspect and replace backing pad if necessary.
Poor sanding performance.	Worn sanding disc; incorrect grit for application; insufficient pressure.	Replace sanding disc; use appropriate grit; apply light, even pressure.
Air leaks.	Loose connections; damaged O-rings or seals.	Tighten connections; inspect and replace O-rings or seals.

SPECIFICATIONS

Feature	Detail
Model	033010
Pad Size	6-Inch

Feature	Detail
Power Source	Air-powered
Maximum Rotational Speed	10500 RPM
Item Weight	1.9 Pounds
Product Dimensions	9.65 x 6.1 x 5.2 inches
Material	Composite
Grit Type (Included)	60#, 80#, 120# Velcro Sanding Discs
UPC	791262922642

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Dynastus website. Keep your proof of purchase for warranty claims.