

*Eastwood*

DO THE JOB RIGHT.

Part #13736

# 1/4" PNEUMATIC DIE GRINDER INSTRUCTIONS



Your **Eastwood 1/4" Die Grinder** is a heavy-duty professional quality tool ruggedly designed for many years of reliable service. It features a positive 1/4", non-slip collet for quick, convenient and secure bit changes. A high-torque, ball bearing motor and hardened bevel gears provide smooth operation and long life. Speed is easily controlled with an infinitely progressive throttled trigger control.

## WARNINGS

- **Do not exceed 90 psi [6.3 bar]** of tool inlet air pressure. Permanent tool damage and or personal injury could occur.
- Do not force tool or exert side forces on bit while grinding or cutting as the tool body can suddenly kick back or twist causing severe hand or wrist injury. Work bits can also break with excessive side force causing them to shatter and eject sharp pieces at high velocity.
- Wear approved eye gear at all times when operating the tool for protection from possible ejected metal chips, shards and sparks created from cutting.
- Keep loose clothing, jewelry and long hair away from rotating components as serious personal injury can occur.
- Always disconnect tool from air supply when changing bits to prevent accidental tool starting and potential injury.
- Always make sure the workpiece being ground or cut is securely clamped or anchored to allow two handed operation of the tool.
- This tool generates dust and particles from the sanding/grinding process which can be damaging to the respiratory system. Wear appropriate respiratory protection.

## SPECIFICATIONS

- Collet: 1/4" [6mm] capacity, Wrench flats.
- RPM: 25,000 free speed.
- Air Consumption: 3.3 cfm [94 lm].
- Inlet thread size: 1/4" FNPT.
- Variable speed, 3 vane, ball bearing air motor.

## INCLUDES

- 1/4" Die Grinder.
- 2 collet wrenches.

## SET UP AND 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.

## OPERATION

- Disconnect air supply from the tool to prevent accidental starting and potential injury while placing a bit or arbor in the collet.
- The 1/4" collet opens by gripping the flats on the output shaft with the smaller included wrench while gripping the flats on the collet with the larger included wrench. Turn the collet in a counter-clockwise direction when viewed from the open end.
- Place the shank of the desired grinding bit or cutter into the collet and use the wrenches to tighten. **IMPORTANT NOTE:** Be sure the collet is securely tightened on the output shaft before operating tool.
- Reconnect air supply, move throttle safety lever forward and depress trigger to begin rotating action. Speed is regulated by pressure applied to the trigger.

## MAINTENANCE

- Add several drops of air tool oil before each use directly into the air outlet.
- If tool is to be unused for an extended period, add 10 drops of air tool oil directly into the air inlet then store the tool handle up.

# TROUBLESHOOTING

- 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 and check for bent bit shank or arbor.
  - Check for loose collet.
- Tool emits excessive noise during use:
  - Stop use immediately and add air tool oil directly into air inlet.

---

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

The Eastwood Technical Assistance Service Department:  
800.544.5118 >> email: [techelp@eastwood.com](mailto:techelp@eastwood.com)

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA  
US and Canada: 800.345.1178 outside US: 610.718.8335  
Fax: 610.323.6268 [eastwood.com](http://eastwood.com)