

Eastwood

DO THE JOB RIGHT.

Part #13743

PNEUMATIC METAL SHEAR

INSTRUCTIONS



Your **Eastwood Pneumatic Metal Shear** is a heavy-duty professional quality tool ruggedly designed for many years of reliable service. It features a high-performance, high-torque, ball bearing motor design with a hardened planetary gear reduction for quick and efficient operation and long life. Easily cuts up to 18 ga. stainless steel, steel and aluminum. 360° positionable cutting head for hard to access projects.

WARNINGS

- Do not exceed 90 PSI of tool inlet air pressure. Permanent tool damage and or personal injury could occur.
- Do not force tool or exert side forces on tool as the body can suddenly kick back or twist causing severe hand or wrist injury. Nibbling blades 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 or shards created from cutting.
- Keep fingers away from reciprocating blades. Serious injury can result. Two-handed operation is recommended.
- Keep loose clothing, jewelry and long hair away from moving components as serious personal injury can occur.
- Always disconnect Shear from air supply when changing blades to prevent accidental tool starting and potential injury.
- Always make sure the workpiece being cut is securely clamped or anchored to allow two handed operation of the tool.
- Avoid running the Shear freely without a work load or internal tool damage can occur.

SPECIFICATIONS

- Maximum Material Thickness: 18 Ga (0.050" [1.2mm]).
- Strokes per minute: 4500
- Air Consumption: 4.0 cfm [114 lm].
- Max. operating air pressure: 90 psi.
- Inlet thread size: 1/4" FNPT.
- Motor Construction: 5 vane, ball & needle bearings. Planetary gearset.

INCLUDES

- Metal Shear
- Hex Key wrench

SET UP AND CONNECTION

- Be sure that the air supply to the shear 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

- Place the cutting blades against work piece and depress trigger to actuate cutting. Only moderate pressure is required for tool to cleanly cut through metal. Do not force. Always use two hands to control tool.
- Speed is regulated by pressure applied to the trigger.
- Avoid running the Shear freely without a workload, permanent internal tool damage can occur.

BLADE REPLACEMENT

- Disconnect air supply.
- Note the orientation of the blade set before disassembly. The replacements must be installed in the exact position for proper function.
- Using included hex key wrench, loosen and remove 3 socket head cap screws. Remove bushings and note location. Remove blades noting position.
- Install blades, bushings and screws. Tighten screws with included hex key wrench.
- Test for proper operation of shear.
- If Shear is to be unused for an extended period, add 10 drops of air tool oil directly to the air inlet then store the tool handle up.

POSITIONING CUTTING HEAD

- Using included Allen wrench, loosen (but do not remove) the three socket head cap screws on the cutting head adequately to release clamping pressure.
- Rotate cutting head about the axis of the tool body to the desired position then re-tighten the three screws.

MAINTENANCE

- Add several drops of air tool oil before each use by dropping directly into the air inlet.
- 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

- Shear doesn't respond to trigger depression:
 - Verify sufficient air supply to tool.
 - Check for moisture in air line and tool inlet.
- Shear performance is slow or sluggish:
 - Verify sufficient air supply to tool.
 - Check for moisture in air line and tool inlet.
 - Stop use immediately and check for bent cutting blades.
- Shear emits excessive noise during use:
 - Stop use immediately and add air tool oil directly into air inlet.

ADDITIONAL ITEMS

- 13474 Spare Blades.

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

The Eastwood Technical Assistance Service Department:
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