

# HENRY AIRTOOLS

American Made Industrial Tools



## General Safety and Maintenance Manual



### 1.2 H.P. REAR EXHAUST DIE GRINDER



### 1.2 H.P. REAR EXHAUST DIE GRINDER

| Model Number | Exhaust Direction | Throttle Type | Speed                      | Power Output      | Case Material | Weight              |                     | Length                | Diameter              | Air Consumption              | Collet Sizes                       |
|--------------|-------------------|---------------|----------------------------|-------------------|---------------|---------------------|---------------------|-----------------------|-----------------------|------------------------------|------------------------------------|
|              |                   |               |                            |                   |               | Aluminum            | Steel               |                       |                       |                              |                                    |
| 400GER       | REAR EXHAUST      | (L) Lever     | 18000 R.P.M<br>20000 R.P.M | 1.2 H.P.<br>900 W | Alum.         | 1.8 lb.<br>(0.8 Kg) | 2.6 lb.<br>(1.2 Kg) | 7.52 Inch<br>(191 mm) | 1.6 inches<br>41.1 mm | 35 CFM<br>(16.5 L/S)<br>Max. | 1/4 Inch Collet<br>3/8 Inch Collet |
| 400GERS      |                   |               |                            |                   | Steel         | 1.8 lb.<br>(0.8 Kg) | 2.6 lb.<br>(1.2 Kg) | 7.52 Inch<br>(191 mm) |                       |                              |                                    |

**THE HENRY TOOL CO., MANUFACTURED BY HENRY TOOLS**

**498 SO. BELVOIR BLVD., SOUTH EUCLID, OH 44121 U.S.A.**

**PH: (216) 291-1011 OR (800) 826-5257 • FAX: (216) 291-5949 OR (800) 303-2800**

**EMAIL: [DAVIIDH@MSN.COM](mailto:DAVIIDH@MSN.COM) • WEBSITE: [WWW.HENRYTOOLS.COM](http://WWW.HENRYTOOLS.COM)**





# MODELS 400GER 400GERS REAR EXHAUST

Model 400GERS Rear Exhaust die Grinder. 1.2 H.P. with an Erickson style collet.

| NO. | PART NUMBER | DESCRIPTION                       |
|-----|-------------|-----------------------------------|
| 22  | HB50        | ROTOR                             |
| 23  | H2R         | CYLINDER (For Rear Exhaust Model) |
| 24  | 400-44      | PIN                               |
| 25  | H3-R        | REAR EXHAUST PLATE (rear exhs)    |
| 26  | H9          | BEARING                           |
| 27  | 592016      | SNAP RING                         |
| 28  | H23         | O-RING                            |
| 29  | H24         | BEARING COVER                     |
| 30  | H25         | SNAP RING                         |
| 31  | AAH-126     | COMPLETE SAFETY LEVER Assmb       |
| 32  | H127        | SAFETY LATCH                      |
| 33  | H126        | SAFETY LEVER (BARE)               |
| 34  | H128        | PIN                               |
| 35  | H129        | LEVER SPRING                      |
| 37  | 1100-081    | 13/16" WRENCH                     |
| 38  | 1100-063    | 5/8" WRENCH                       |
| 39  | H4A-S       | EXHAUST DIFFUSER                  |
| 40  | H57         | HOSE with Zip Tie                 |
| 41  | G50R        | SPACER                            |

| REPAIR KIT    |                   |
|---------------|-------------------|
| <b>510284</b> |                   |
| REPAIR KIT    |                   |
| INCLUDES:     |                   |
| 1             | H11 FRONT BEARING |
| 5             | ROTOR BLADES      |
| 1             | H9 BEARING        |
| 1             | 592016 SNAP RING  |
| 1             | H23 O-RING        |
| 1             | H24 BEARING COVER |
| 1             | H25 SNAP RING     |
| 1             | H32 O-RING        |

### GRINDER SAFETY

#### ALWAYS COMPLY WITH:

1. General Industry Safety & Health Regulations, Part 1910, OSHA 2206, available from: Sup't of Documents; Government Printing Office; Washington DC 20402
2. Safety Code for Portable Air Tools, ANSI B186.1 available from: American National Standards Institute, Inc.; 1430 Broadway; New York, NY 10018
3. State and Local regulations.
4. Portions of the above codes and regulations are listed below for quick reference.

#### THESE EXCERPTS ARE NOT INTENDED TO BE ALL INCLUSIVE - STUDY AND COMPLY WITH ALL REGULATIONS!

1. Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool.
2. After mounting a wheel or other abrasive accessory, the Grinder shall be run in a protected enclosure, at gradually increasing speed, for at least 60 seconds. When starting work with a cold wheel, apply it gradually to the workpiece until it becomes warm. Do not continue to use a grinder if:
  - The speed rating of the accessory is less than the speed of the grinder
  - If tool vibrates repair immediately.
  - You sense changes in tool speed or an unusual increase in noise that would indicate tool is running at excessive speed.
  - You notice excessive end play in spindle
  - You hear any unusual sound from grinder

#### RETURN THE TOOL TO THE TOOL CRIB FOR SERVICE IMMEDIATELY.

3. Make certain no one is in front of or in line with the wheel or other abrasive accessory. Be aware that it may fail at this time if it is defective, improperly mounted or the wrong size and speed. Stop immediately if considerable vibration or other defects are detected. Shut off the air supply and determine the cause.
4. **OPERATOR PROTECTIVE EQUIPMENT** - Wear goggles or face shield at all times when the tool is in operation. Other protective clothing shall be worn, if necessary. SEE REGULATIONS.
5. Keep hands, loose clothing and long hair away from rotating end of tool.
6. Anticipate and be alert for sudden changes in motion during start up and operation of any power tool.
7. Keep body stance balanced and firm. Do not overreach when operating this tool. High reaction torques can occur at or below the recommended air pressure.
8. Tool accessories may continue to rotate briefly after throttle is released.
9. Air powered tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions may be harmful to your hands and arms. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.
10. This tool is not designed for working in explosive atmospheres. Do not use this tool on materials whose dust or fumes can cause a potentially explosive environment.
11. This tool is NOT insulated against electric shock.
12. Product Safety information - When Placing the Tool in Service
  - **NEVER MODIFY ANY PART OF THIS TOOL!!!!** Always install, operate, inspect and maintain this product in accordance with all applicable standards and regulations (local, state, country, federal, etc.).
  - Always use clean, dry air at 90 psig (6.2 bar/620 kPa) maximum air pressure at the inlet. Higher pressure may result in hazardous situations including excessive speed, rupture, or incorrect output torque or force.
  - Be sure all hoses and fittings are the correct size and are tightly secured.
  - Install a properly sized Safety Air Fuse upstream of air hose.

HENRY TOOLS, INC. Ph: (216) 291-1011 or (800) 826-5257