Alpha® 6” Pneumatic Stone Cutter Instruction Manual

Part No: PSC-150
Version 2.1

Alpha Professional Tools®

103 Bauer Drive, Oakland, NJ 07436 • 800-648-7229 • Fax: 800-286-0114
www.alpha-tools.com
# TABLE OF CONTENTS

Introduction ........................................................................................................ 3  
About the Symbols .......................................................................................... 3  
Safety Instructions for Power Tools .................................................................. 4  
PSC-150 Overview .......................................................................................... 6  
  Specifications ................................................................................................. 7  
Accessories ....................................................................................................... 7  
Additional Precautions for Using the Pneumatic Stone Cutter ..................... 8  
  Air Pressure and Volume ............................................................................... 9  
  Rust Protection ............................................................................................... 9  
  Cleaning the Rotor Assembly ....................................................................... 9  
  How to Add the Rust Inhibitor Oil ................................................................. 10  
Filter/Regulator System .................................................................................. 11  
Water Control Valve ....................................................................................... 12  
Air Supply Hose Assembly ............................................................................. 12  
Water Supply Hose Assembly ....................................................................... 12  
Arbor Size ......................................................................................................... 12  
Sound Level ..................................................................................................... 12  
Attaching the Side Handle ............................................................................... 13  
Height Adjustment ............................................................................................ 13  
Mounting Diamond Wheels ............................................................................ 14  
Cutting Angle Adjustment ............................................................................... 15  
Operation .......................................................................................................... 16  
Connecting (Air & Water Hoses to PSC-150) ................................................. 16  
Straight Cutting ................................................................................................. 17  
Curve Cutting Application (Using Step-Cutting Method) ................................. 18  
PSC-150 Pneumatic Stone Cutter Schematic - 1 ............................................. 20  
PSC-150 Pneumatic Stone Cutter Schematic - 2 ............................................. 21  
PSC-150 Pneumatic Stone Cutter Parts List .................................................... 22  
Accessories and Factory Service ..................................................................... 26  
Product Registration ......................................................................................... 27
INTRODUCTION

Thank you for purchasing an Alpha® PSC-150 Pneumatic Stone Cutter. Please read this instruction manual thoroughly to ensure safe and correct use of the Pneumatic Stone Cutter. Keep this manual in a place where operators can access it easily whenever necessary.

ABOUT THE SYMBOLS

According to the hazard level, all safety notes in this manual are classified into “DANGER”, “WARNING”, and “CAUTION”.

⚠️ DANGER! Death or serious personal injury is imminent when handling this pneumatic stone cutter incorrectly.

⚠️ WARNING! There is a possibility of death or serious personal injury when handling this pneumatic stone cutter incorrectly.

⚠️ CAUTION! There is a possibility of personal injury or property damage when handling this pneumatic stone cutter incorrectly.

Note: In some situations, failing to observe WARNING notes could result in death or serious personal injury. Be sure to read and observe the safety notes to ensure safety and correct use of the pneumatic stone cutter.
SAFETY INSTRUCTIONS FOR POWER TOOLS

1. **KNOW YOUR POWER TOOL.** Read owner’s manual carefully. Learn its applications and limitations as well as specific potential hazards particular to this tool.

2. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.

3. **AVOID DANGEROUS ENVIRONMENTS.** Keep work areas as dry as possible. Do not use tool in presence of flammable liquids or gases. Keep the area well lit.

4. **KEEP CHILDREN AND VISITORS AWAY.** All visitors should be kept a safe distance from the work area. Keep out of reach of children.

5. **DON’T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.

6. **WEAR PROPER APPAREL.** Do not wear loose clothing or jewelry as it can get caught in moving parts. Rubber gloves and insulated non-skid footwear are recommended. Wear protective covering to contain long hair.

7. **WEAR PROPER EYE PROTECTION.** All users and bystanders must always wear proper personal eye protection which conform with ANSI/ISEA Z87.1 (CAN/CSA Z94.3). Also use a face or dust mask if operation is dusty. Always wear certified safety equipment.

8. **WEAR PROPER EAR PROTECTION.** All users and bystanders must wear proper personal ear protection which conforms with ANSI S12.6 (S3.19) hearing protection.

9. **WEAR PROPER RESPIRATORY PROTECTION.** All users and bystanders must wear proper personal respiratory protection. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure.

**Warning:** Some dust created by power sanding, sawing, grinding, drilling, polishing and other construction activities contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. **Some examples of these chemicals are:**
- Lead from lead-based paints
- Crystalline silica from bricks, cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.
Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure, work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

To familiarize with the risks associated with a material, consult with your employer, manufacturer/supplier and government agencies regarding the hazards of the materials and their recommendations to protect yourself.

10. DON’T ABUSE WATER SUPPLY HOSE. Don’t carry tool by supply hose or expose to traffic areas where it can be crushed.

11. ALWAYS SECURE WORK PIECE. Use clamps or a vise to hold work. It’s safer than using your hand and it frees both hands to operate tool.

12. DON’T OVERREACH. Keep proper footing and balance at all times.

13. DISCONNECT TOOLS WHEN NOT IN USE. Always disconnect tool before servicing when changing blades.

14. REMOVE ADJUSTING KEYS AND WRENCHES. Form a habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

15. MAINTAIN TOOLS WITH CARE. Keep tools clean at all times for best and safest performance. Follow instructions for lubricating and changing accessories. Keep handles dry, clean and free of oil or grease. Inspect moving parts for alignment and binding as well as for breakage and improper mounting.

16. AVOID ACCIDENTAL STARTING. Do not carry a “connected” tool, or make adjustments, or change discs without making sure the tool is disconnected from the air supply.

17. USE ONLY RECOMMENDED ACCESSORIES. The use of any accessories other than what is listed or recommended for this particular tool may be hazardous.

18. KEEP HANDS AWAY FROM ALL MOVING PARTS.

19. USE SIDE HANDLES. Supplied with tool for control and safety.

20. STAY ALERT. Watch what you are doing and use common sense. Do not operate tool when you are tired, or under the influence of medication or alcohol.
6” PNEUMATIC STONE CUTTER OVERVIEW

- Handle
- Oil Port
- Blade Guard
- Water Valve
- Throttle Lever
- Water Nozzle
- Angle Adjustment
- Flange-1
- Bolt
- Flange-2
- Motor Housing
- Arm
- Side Handle
- Air Inlet
- Rear Case
- Exhaust Vent
- Gear Housing
- Base Plate Assembly
SPECIFICATIONS:

Air Pressure ............................................................................. 90 PSI
Air Consumption Min ......................................................... 32 CFM / 1HP*
Air Consumption Max ......................................................... 48 CFM / 2HP
No Load RPM ........................................................................ 8,500
Air Inlet ................................................................................. 3/8” NPSM
Water Inlet .............................................................................. 1/4” BSPP
Arbor ....................................................................................... 7/8” / 22mm
Max HP ................................................................................... 2.0
Cutting Disc Diameter ......................................................... 6”

* To control the amount of CFM required, use the reduced flow air inlet fitting 3001-0084.

ACCESSORIES

COMPONENTS

1. Flanges ................................................................................. 3 pcs
2. Bolts (M6x30 Left) / (M6x20 Left) ......................................... 2 pcs
3. Side Handle ........................................................................... 1 pc
4. Combination Wrench (9mm) ................................................ 1 pc
5. Hex Wrench (5mm) .............................................................. 1 pc
6. Open End Spanner Wrench (22mm) .................................... 1 pc
7. Air Hose (15ft / 4.5m) ........................................................ 1 pc
8. Water Hose (15ft / 4.5m) ..................................................... 1 pc
9. Rust Inhibitor Oil (8oz / 237ml) (AIR-008) ......................... 1 pc
10. Alpha® Eclipse II 6” Blade (DEE006) .............................. 1 pc
ADDITIONAL PRECAUTIONS FOR USING THE PNEUMATIC STONE CUTTER

In addition to the general safety notes described on the preceding pages, please read and observe the following precautionary notes before using the pneumatic stone cutter.

⚠️ DANGER!

► INSTRUCTIONS

Alpha Professional Tools® provides the highest quality parts and manufacturing techniques in the manufacture of this tool. In order to obtain the maximum effectiveness and provide the highest degree of safety, it is necessary to review and follow these instructions carefully before using the tool.

► SAFETY ADVICE

- Please note safety instructions on Page 4-5.
- Always disconnect the air line before making any changes to the settings or carrying out maintenance.
- Keep water and air lines clear from working range of the machine. These lines should always lead away from you and behind the operating area.
- Before use, check the machine, hose and fittings for any damage or material fatigue, only authorized service agents should carry out repairs.
- Always wear safety glasses and respiratory protection when working with this machine. It is further recommended to wear safety gloves, apron, as well as sturdy non-slipping shoes.
- Only use saw blades whose permitted speed is at least as high as the highest no-load speed of the machine.
- Be sure saw blade fits the tool properly and securely. Do not modify the tool to force fit the blade. For example, do not remove blade guard.
- Check blades before use. The saw blade must be properly mounted and turn freely. Perform a test run for at least 30 seconds without any load. Do not use damaged, out of round or vibrating blades.
- Immediately switch off the machine in case of considerable vibrations or if other malfunctions occur. Check the machine in order to find out the cause.
- Always use and store the saw blades according to the manufacturer’s instructions. The flange bolt must be tightened before starting to work with the machine.
- The work piece must be secured if it is not heavy enough to prevent movement.
- The tool is designed for cutting on horizontal surfaces.
AIR PRESSURE AND VOLUME

The recommended air pressure for this stone cutter is 90 PSI. The most important factor in running this stone cutter is the volume of air being supplied to the stone cutter. The volume is the air consumption needed to run this stone cutter at a constant speed under light downward hand pressure. The volume is measured in CFM (cubic foot per minute (ft³/min)). You need a minimum of 32 CFM to run this tool at the 1 HP rating. Alpha® recommends running the tool at the maximum flow volume of 48 CFM to get the full 2 HP rating out of the stone cutter.

It is also very important to keep your air cool, dry, and clean, so look for a compressor with a refrigerated dryer and high-efficiency filter built-in or purchase a separate air dryer and filter unit rated for your compressors CFM. *(See page 11 for Alpha® Filter/Regulator Manifold System)*

RUST PROTECTION (A rust inhibitor oil is used to protect the tool from rusting when not in use)

PROPER CARE AND MAINTENANCE ARE IMPORTANT FACTORS IN PREVENTING THIS TOOL FROM RUSTING ON THE INSIDE WHEN NOT IN USE.

At the end of each workday, place 5-6 drops of rust inhibitor oil (included with each stone cutter) into the tool using the oil port. Depress the throttle lever varying the speed from very low to half speed, for a minute or two. This will allow the oil to transition into the rotor assembly and coat the inside of the tool.

CLEANING THE ROTOR ASSEMBLY

Over time, the rotor assembly can fill up with oil sludge, vane dust residue, and contamination and will need to be cleaned. To accomplish this remove the muffler assembly from the tool to allow the waste to exit. You can hold a paper towel over the exit port to reduce the sound level and catch the exiting waste. Add 10 to 20 drops of oil to the oil port and run the tool varying the speed from very slow to half speed for two to three minutes to allow the oil to process through the machine. Check the paper towel for exit waste, continue until there is little to no exit waste.

Run the tool at its slowest speed. If the tool sounds like it is running with a variation in speed, this is an indication that one of the vanes is still sticking in the rotor. Repeat the process to see if this will correct the variation in sound. If the problem continues, contact an authorized Alpha® Repair Center for routine repair and maintenance.
HOW TO ADD THE RUST INHIBITOR OIL

1. Disconnect the stone cutter from your air supply.

2. Remove the screw (Part No. 3001-0061) using the supplied Hex Wrench (5mm). (See Fig. 1)

3. Add 5-6 drops of the Rust Inhibitor Oil into the oil port. (See Fig. 2)

4. Reinstall the Oil screw (Part No. 3001-0061).

5. Reconnect the pneumatic stone cutter to your air supply.

6. Depress the throttle lever (Part No. 3001-0071) varying the speed from very low to half speed, for a minute or two. (See Fig. 3)

Replacement Rust Inhibitor Oil can be purchased from Alpha® Professional Tools (Part No. AIR-008).
CAUTION!

Lubricating the stone cutter before and during work is not needed. Excessive oil will turn to a tar-like substance inside the tool, causing the vanes to stick in the rotor and slow the tool down. This is the reason we do not recommend automatic oilers to be used with this stone cutter. Old or worn compressors, which emit oil through the air lines, can significantly shorten the life of the tool.

HELPFUL HINT:
- Air throttle lever should be pressed and released slowly to allow the stone cutter to accelerate and decelerate during all applications. Rapid acceleration and deceleration can wear out the ball bearings prematurely.

HELPFUL HINT:
- Using a Filter Regulator System Recommended

► FILTER/REGULATOR SYSTEM

Having a Filter/Regulator (See Fig. 4) helps prevent pressure drops when using a large volume of air, so you can set the pressure to the tools at 85 to 90 PSI, while the main system can run at 125 PSI. The F/R unit will also remove any water from the air supply while also filtering the air of contamination down to five microns. By only using aluminum and brass after the F/R unit, you are eliminating any rust and contamination from getting into the air tools.

Alpha® recommends the F/R Manifold 106 CFM for use with the PSC-150 stone cutter. (Part Nos. 1030-0023/1030-0024). All F/R manifolds are available through our distributor network, and via our website.
► WATER CONTROL VALVE
This valve lets you adjust the flow of water to the blade. When storing the stone cutter overnight, open the valve and drain all water from the supply hose and tool.

► AIR SUPPLY HOSE ASSEMBLY
The new 1/2” x 15’ flexible air hose has a 3/8” Male NPT threaded fitting to connect to your air supply. This hose is composed of a premium hybrid polymer that allows the hose to avoid kinking and remains flexible down to -40°F.

► WATER SUPPLY HOSE ASSEMBLY
The new 1/4” x 15’ flexible water hose has a 3/4”-11 GHT (Garden Hose Thread) fitting to connect to your water supply. This hose is composed of a premium hybrid polymer that allows the hose to avoid kinking and remains flexible down to -40°F.

► ARBOR SIZE
The Alpha® PSC-150 Pneumatic Stone Cutter features 7/8” / 22mm arbor flanges.

Maintenance and Usage Tip:

• Do not leave the stone cutter submersed in water. This could expose the inner moving parts to moisture, which will shorten the life of the stone cutter.

• Excessive force or impact to the spindle may result in premature failure of gears and/or bearings, which may not be immediately evident.

► SOUND LEVEL (HEARING PROTECTION MUST BE WORN)
To comply with OSHA Occupational Noise Exposure Standard Number 1926.52, this tool is equipped with an internal Silencer System. When the tool is operated correctly at 90 PSI, the sound level emitted should be less than 91.3 dBA. The internal Silencer System is also used to maintain a constant back pressure inside the tool; this helps prevent it from exceeding the recommended 8,500 RPM. The exhaust deflector for this stone cutter also helps to reduce the noise level by venting the exhaust air.
ATTACHING THE SIDE HANDLE

Attach the handle into one of the three appointed locations on the arm (Part No. 3001-0015) for the best comfort for stability during the cutting application. (See Fig. 5)

![Position 1](Position 1)
![Position 2](Position 2)
![Position 3](Position 3)

Figure 5

HEIGHT ADJUSTMENT

Height adjustment is possible if you need to raise the PSC-150 body to control the depth of cut.

1. Loosen the clamping lever (Part No. 3001-0057) and lift the main body. When you reach the desired cutting depth, tighten the adjustment lever.

![Adjustment Lever](Adjustment Lever)

Figure 6
MOUNTING DIAMOND WHEELS

► STRAIGHT BLADE INSTALLATION

![Diagram of straight blade installation](image)

- 6" Straight Cutting Blade
- Flange-2
- Bolt / M6x20-L
- Flange-1
- Open End Wrench (22mm)
- Combination Wrench (9mm)

Figure 7

► CURVE CUTTING BLADE INSTALLATION

![Diagram of curve cutting blade installation](image)

- 5" / 6" Curve Cutting Blade
- Flange-2
- Flange-1
- Flange-3
- Bolt / M6x30-L
- Open End Wrench (22mm)
- Combination Wrench (9mm)

Figure 8
CUTTING ANGLE ADJUSTMENT

The PSC-150 is capable of making angled bevel cuts up to 45 degrees. To set the tool to the desired angle, follow the steps below.

1. Loosen both the screws of the front and rear using the Hex. wrench.

2. Tilt the PSC-150 to the desired angle.

3. When the cutting angle is decided, re-tighten the screws.
OPERATION

➤ THROTTLE OPERATION
Press the safety bar forward to unlock the spring mechanism. Grip the body in a way that the throttle lever (Part No. 3001-0071) is depressed to activate the motor. Releasing the throttle lever shuts down the motor.

CONNECTING (AIR & WATER) HOSES TO PSC-150
STRAIGHT CUTTING

1. One-pass cutting can be performed on all thickness materials using the PSC-150. (2cm, 3cm & 4cm thickness materials)

**NOTE: ALPHA® ALWAYS RECOMMENDS STEP-CUTTING**

2. Adjust the amount of water-flow to cool the blade and remove the waste.

3. Set the base plate on the work piece and align to the cutting mark on the base plate to cut line on the material.

4. Press the throttle level and allow the stone cutter to attain full speed before starting to cut.

5. Advance the stone cutter slowly allowing the blade to do the work, keeping the base plate flat on the stone and the cut mark in line with your cut line. (See Fig. 14)
CURVE CUTTING APPLICATION

(USING STEP-CUTTING METHOD)

⚠️ WARNING!

Support the sink cutout area; sinkhole cutout piece may drop to the floor at the end of cutting application, if not supported.

1. Support the sink cutout area prior to cutting; otherwise, the work piece may drop to the floor at the end of the cutting application.

2. Use the Alpha® Contour Cutting blade only. Application with inferior blades may cause damage to the stone cutter.

3. Plunge Cut into the material until the base of the stone cutter makes flush contact with the material, then proceed to cut the bowl cut-out following the step-cutting process.

4. Do not force the stone cutter during the cutting application. Allow the blade to cut at its own pace. Excessive force may damage the stone cutter.

HELPFUL HINT:

*The PSC-150 can accept a 4-1/2", 5" and 6” Curve Cutting Blades.*
**STEP 1**

Score along the cutting line (1/3 width of stone).

Figure 15

**STEP 2**

Step-cut along scored line (2/3 width of stone).

Figure 16

**STEP 3**

Plunge cut all the way to make full contact between bottom plate and stone, then maintain even cutting pressure to follow curved cut line.

Figure 17
**ALPHA® PSC-150 6” PNEUMATIC STONE CUTTER SCHEMATIC**

**ADDITIONAL AVAILABLE SIZES FOR THE ALPHA® AIR AND WATER HOSE ASSEMBLY**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>LENGTH</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1030-0030</td>
<td>15ft./4.5m</td>
<td>Water Hose</td>
</tr>
<tr>
<td>1030-0031</td>
<td>15ft./4.5m</td>
<td>Air Hose</td>
</tr>
<tr>
<td>1030-0032</td>
<td>20ft./6.0m</td>
<td>Water Hose</td>
</tr>
<tr>
<td>1030-0033</td>
<td>20ft./6.0m</td>
<td>Air Hose</td>
</tr>
<tr>
<td>1030-0034</td>
<td>25ft./7.6m</td>
<td>Water Hose</td>
</tr>
<tr>
<td>1030-0035</td>
<td>25ft./7.6m</td>
<td>Air Hose</td>
</tr>
<tr>
<td>1030-0036</td>
<td>30ft./9.1m</td>
<td>Water Hose</td>
</tr>
<tr>
<td>1030-0037</td>
<td>30ft./9.1m</td>
<td>Air Hose</td>
</tr>
<tr>
<td>1030-0038</td>
<td>35ft./10.6m</td>
<td>Water Hose</td>
</tr>
<tr>
<td>1030-0039</td>
<td>35ft./10.6m</td>
<td>Air Hose</td>
</tr>
<tr>
<td>1030-0040</td>
<td>40ft./12.1m</td>
<td>Water Hose</td>
</tr>
<tr>
<td>1030-0041</td>
<td>40ft./12.1m</td>
<td>Air Hose</td>
</tr>
</tbody>
</table>
ALPHA® PSC-150 6” PNEUMATIC STONE CUTTER
SCHEMATIC
## ALPHA® PSC-150 6” PNEUMATIC STONE CUTTER
### PARTS LIST

<table>
<thead>
<tr>
<th>DRAWING NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3001-0001</td>
<td>Carriage Bolt (M6x16)</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>3001-0002</td>
<td>Screw SHC (M5x12)</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>3001-0003</td>
<td>Lock Washer (M5)</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>3001-0004</td>
<td>Splash Guard Flap</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>3001-0005</td>
<td>6” Blade Guard</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>3001-0006</td>
<td>Nut</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>3001-0007</td>
<td>Spray Nozzle</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>3001-0008</td>
<td>Ball Valve (1/4”-18 NPSM)</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>3001-0009</td>
<td>O-Ring (M6x1.5)</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>3001-0010</td>
<td>Screw SHC (M6x40)</td>
<td>2</td>
</tr>
<tr>
<td>11</td>
<td>3001-0011</td>
<td>Screw SHC (M6x14)</td>
<td>5</td>
</tr>
<tr>
<td>12</td>
<td>3001-0012</td>
<td>Gear Case</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>3001-0013</td>
<td>DU Bearing</td>
<td>2</td>
</tr>
<tr>
<td>14</td>
<td>3001-0014</td>
<td>Oil Felt</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>3001-0015</td>
<td>Side Handle</td>
<td>1</td>
</tr>
<tr>
<td>16</td>
<td>3001-0016</td>
<td>Arm</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>3001-0017</td>
<td>Screw SHC (M6x25)</td>
<td>2</td>
</tr>
<tr>
<td>18</td>
<td>3001-0018</td>
<td>Snap Ring internal (11mm)</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>3001-0019</td>
<td>Pinion Gear</td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>3001-0020</td>
<td>Ball Bearing (6301)</td>
<td>1</td>
</tr>
<tr>
<td>21</td>
<td>3001-0021</td>
<td>Front End Plate</td>
<td>1</td>
</tr>
<tr>
<td>22</td>
<td>3001-0022</td>
<td>Key (4x10)</td>
<td>1</td>
</tr>
<tr>
<td>23</td>
<td>3001-0023</td>
<td>Rotor</td>
<td>1</td>
</tr>
<tr>
<td>24</td>
<td>3001-0024</td>
<td>Vane (4pc set)</td>
<td>1</td>
</tr>
<tr>
<td>25</td>
<td>3001-0025</td>
<td>Cylinder</td>
<td>1</td>
</tr>
</tbody>
</table>
### ALPHA® PSC-150 6” PNEUMATIC STONE CUTTER
### PARTS LIST (CONT’D)

<table>
<thead>
<tr>
<th>DRAWING NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>3001-0026</td>
<td>Spacer</td>
<td>1</td>
</tr>
<tr>
<td>27</td>
<td>3001-0027</td>
<td>Spring Pin (M3x8)</td>
<td>1</td>
</tr>
<tr>
<td>28</td>
<td>3001-0028</td>
<td>End Plate</td>
<td>1</td>
</tr>
<tr>
<td>29</td>
<td>3001-0029</td>
<td>Ball Bearing (6002ZZ)</td>
<td>1</td>
</tr>
<tr>
<td>30</td>
<td>3001-0030</td>
<td>Washer</td>
<td>1</td>
</tr>
<tr>
<td>31</td>
<td>3001-0031</td>
<td>Governor Assembly</td>
<td>1</td>
</tr>
<tr>
<td>32</td>
<td>3001-0032</td>
<td>Air Guide Ring</td>
<td>1</td>
</tr>
<tr>
<td>33</td>
<td>3001-0033</td>
<td>O-Ring (M50x1.5)</td>
<td>1</td>
</tr>
<tr>
<td>34</td>
<td>3001-0034</td>
<td>Bushing</td>
<td>1</td>
</tr>
<tr>
<td>35</td>
<td>3001-0035</td>
<td>Rear Cover</td>
<td>1</td>
</tr>
<tr>
<td>36</td>
<td>3001-0036</td>
<td>Screw SHC (M5x22)</td>
<td>4</td>
</tr>
<tr>
<td>37</td>
<td>3001-0037</td>
<td>Oil Seal (UE17307)</td>
<td>1</td>
</tr>
<tr>
<td>38</td>
<td>3001-0038</td>
<td>Retaining Ring External (M17)</td>
<td>1</td>
</tr>
<tr>
<td>39</td>
<td>3001-0039</td>
<td>Ball Bearing (6203ZZ)</td>
<td>1</td>
</tr>
<tr>
<td>40</td>
<td>3001-0040</td>
<td>Spindle</td>
<td>1</td>
</tr>
<tr>
<td>41</td>
<td>3001-0041</td>
<td>Key (4x10)</td>
<td>1</td>
</tr>
<tr>
<td>42</td>
<td>3001-0042</td>
<td>Gear</td>
<td>1</td>
</tr>
<tr>
<td>44</td>
<td>3001-0044</td>
<td>Needle Bearing (BA66)</td>
<td>1</td>
</tr>
<tr>
<td>45</td>
<td>3001-0045</td>
<td>Gasket</td>
<td>1</td>
</tr>
<tr>
<td>46</td>
<td>3001-0089</td>
<td>Motor Housing</td>
<td>1</td>
</tr>
<tr>
<td>47</td>
<td>3001-0047</td>
<td>O-Ring (M15.5x1.5)</td>
<td>1</td>
</tr>
<tr>
<td>48</td>
<td>3001-0048</td>
<td>Screw Truss Head (M5x25)</td>
<td>1</td>
</tr>
<tr>
<td>49</td>
<td>3001-0049</td>
<td>Exhaust Deflector</td>
<td>1</td>
</tr>
<tr>
<td>50</td>
<td>3001-0050</td>
<td>Muffler (2 pcs installed/2 pcs spare)</td>
<td>4</td>
</tr>
<tr>
<td>51</td>
<td>3001-0051</td>
<td>Air Filter</td>
<td>1</td>
</tr>
</tbody>
</table>
### ALPHA® PSC-150 6” PNEUMATIC STONE CUTTER
### PARTS LIST (CONT’D)

<table>
<thead>
<tr>
<th>DRAWING NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>3001-0052</td>
<td>Spring Washer (M6x1.5)</td>
<td>2</td>
</tr>
<tr>
<td>53</td>
<td>3001-0053</td>
<td>Oversized Washer M6 (6.8IDx16ODx2T)</td>
<td>2</td>
</tr>
<tr>
<td>54</td>
<td>3001-0087</td>
<td>Base Plate</td>
<td>1</td>
</tr>
<tr>
<td>55</td>
<td>3001-0055</td>
<td>Shoulder bolt</td>
<td>1</td>
</tr>
<tr>
<td>56</td>
<td>3001-0056</td>
<td>Nylock Nut (M6x1)</td>
<td>1</td>
</tr>
<tr>
<td>57</td>
<td>3001-0057</td>
<td>Adjustment Handle</td>
<td>1</td>
</tr>
<tr>
<td>58a</td>
<td>3001-0058</td>
<td>Washer (1.5mm)</td>
<td>1</td>
</tr>
<tr>
<td>58b</td>
<td>3001-0085</td>
<td>Washer (1.0mm)</td>
<td>1</td>
</tr>
<tr>
<td>58c</td>
<td>3001-0086</td>
<td>Washer (2.0mm)</td>
<td>1</td>
</tr>
<tr>
<td>59</td>
<td>3001-0088</td>
<td>Positioning Plate</td>
<td>1</td>
</tr>
<tr>
<td>60</td>
<td>3001-0060</td>
<td>Gasket</td>
<td>1</td>
</tr>
<tr>
<td>61</td>
<td>3001-0061</td>
<td>Oil Screw (M8x10L)</td>
<td>1</td>
</tr>
<tr>
<td>62</td>
<td>3001-0062</td>
<td>Washer Brass (M8)</td>
<td>1</td>
</tr>
<tr>
<td>63</td>
<td>3001-0063</td>
<td>Handle</td>
<td>1</td>
</tr>
<tr>
<td>64</td>
<td>3001-0064</td>
<td>Screw SHC (M5x20L)</td>
<td>4</td>
</tr>
<tr>
<td>65</td>
<td>3001-0065</td>
<td>Bushing</td>
<td>1</td>
</tr>
<tr>
<td>66</td>
<td>3001-0066</td>
<td>O-Ring (2x1)</td>
<td>1</td>
</tr>
<tr>
<td>67</td>
<td>3001-0067</td>
<td>Valve Stem</td>
<td>1</td>
</tr>
<tr>
<td>68</td>
<td>3001-0068</td>
<td>Safety Bar</td>
<td>1</td>
</tr>
<tr>
<td>69</td>
<td>3001-0069</td>
<td>Spring</td>
<td>1</td>
</tr>
<tr>
<td>70</td>
<td>3001-0070</td>
<td>Spring Pin (2x18L)</td>
<td>1</td>
</tr>
<tr>
<td>71</td>
<td>3001-0071</td>
<td>Throttle Lever</td>
<td>1</td>
</tr>
<tr>
<td>72</td>
<td>3001-0072</td>
<td>Spring Pin (3x20L)</td>
<td>1</td>
</tr>
<tr>
<td>73</td>
<td>3001-0073</td>
<td>O-Ring (19.8x2.4)</td>
<td>1</td>
</tr>
<tr>
<td>74</td>
<td>3001-0074</td>
<td>Air Inlet (3/8”-18 NPSM)</td>
<td>1</td>
</tr>
</tbody>
</table>
## ALPHA® PSC-150 6” PNEUMATIC STONE CUTTER
### PARTS LIST (CONT’D)

<table>
<thead>
<tr>
<th>DRAWING NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>3001-0075</td>
<td>Rubber Spacer</td>
<td>1</td>
</tr>
<tr>
<td>76</td>
<td>3001-0076</td>
<td>Steel Ball (5/8”)</td>
<td>1</td>
</tr>
<tr>
<td>77</td>
<td>3001-0077</td>
<td>Spring</td>
<td>1</td>
</tr>
<tr>
<td>78</td>
<td>3001-0078</td>
<td>O-Ring (19.5x1.5)</td>
<td>1</td>
</tr>
<tr>
<td>79</td>
<td>3001-0079</td>
<td>Spring Seat</td>
<td>1</td>
</tr>
<tr>
<td>80</td>
<td>133463</td>
<td>Screw (M6x30-Left)</td>
<td>1</td>
</tr>
<tr>
<td>81</td>
<td>133464</td>
<td>Screw (M6x20-Left)</td>
<td>1</td>
</tr>
<tr>
<td>82</td>
<td>133419</td>
<td>Flange-2</td>
<td>1</td>
</tr>
<tr>
<td>83</td>
<td>Optional</td>
<td>5” / 6” Curve Cutting Blade</td>
<td>-</td>
</tr>
<tr>
<td>84</td>
<td>DEEO06</td>
<td>Alpha® 6” Eclipse II</td>
<td>1</td>
</tr>
<tr>
<td>85</td>
<td>133432</td>
<td>Flange-3</td>
<td>1</td>
</tr>
<tr>
<td>86</td>
<td>133769</td>
<td>Flange-1</td>
<td>1</td>
</tr>
<tr>
<td>88</td>
<td>3001-0083</td>
<td>Hex. Wrench (5mm)</td>
<td>1</td>
</tr>
<tr>
<td>89</td>
<td>3001-0081</td>
<td>Combination Wrench (9mm)</td>
<td>1</td>
</tr>
<tr>
<td>90</td>
<td>3001-0082</td>
<td>Open End Wrench (22mm)</td>
<td>1</td>
</tr>
<tr>
<td>91</td>
<td>AIR-008</td>
<td>Rust Inhibitor Oil 8oz (237ml)</td>
<td>1</td>
</tr>
<tr>
<td>92</td>
<td>1030-0030</td>
<td>Water Hose Assembly (15ft / 4.5m)</td>
<td>1</td>
</tr>
<tr>
<td>93</td>
<td>1030-0031</td>
<td>Air Hose Assembly (15ft / 4.5m)</td>
<td>1</td>
</tr>
</tbody>
</table>

---

**For repair information call:**
Headquarters, Oakland, NJ — (800) 648-7229 ext.505

*Due to specially designed components this machine must be serviced only with genuine ALPHA® parts.*
ACCESSORIES AND FACTORY SERVICE

All the accessories can be purchased at a local distributor in your area. For more information concerning Alpha® Pneumatic Stone Cutter and factory service, please contact the Alpha® distribution centers listed below.

COMPANY HEADQUARTERS & REPAIR CENTER:
Alpha Professional Tools®
103 Bauer Drive
Oakland, NJ 07436

Hours of Operation: 8:30 a.m. – 5:00 p.m. EST
Telephone Number: 201-337-3343
Toll-Free Number: 800-648-7229

CANADIAN REPAIR CENTER:
Edgewood Sales & Marketing
10 Simon Court
Waterford, ON N0E 1Y0

Telephone Number: 519-896-4992

WARRANTY

Limited Warranty of Alpha® Pneumatic Stone Cutter (PSC-150) for USA and Canada ONLY!
Alpha Professional Tools® warrants this product against defects in material and workmanship for a period of one year from the date of original retail purchase (proof of purchase required). If Alpha Professional Tools® receives notice of such defects during the warranty period, our obligation assumed under this warranty is limited to the repair or replacement of parts, without charge. This warranty does not apply to Alpha® accessories. Returns within the warranty period should be sent in freight prepaid to an Authorized Warranty Service Center.

The warranty does not apply in situations where:
- The tool has been misused, abused or improperly maintained
- Alterations or repairs were made by others
- Repairs due to normal wear and tear

Some States do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For Warranty Claims: Send complete tool with all your information and details of the problem to an Authorized Warranty Repair Center, transportation prepaid. Do not send tool accessories.

NOTE: Any tools purchased through an unauthorized distributor are not covered under warranty.