FIELD OPERATION

Before:
1. Fill the oil reservoir with proper oil (Air Tool oil or 10W grade equivalent for 9 lb. and 15 lb. class and Rock Drill oil for the 38 lb. and 60 lb. class.)
2. Check all nuts and bolts to ensure they are tight on the tool.
3. Make sure retainer locks in place.
4. Replace retainer and or springs if worn.
5. Rotate the chuck bushings to ensure that pawls are engaging.
6. Clean any water and/or dirt from air hose before connecting it to the tool.

During:
1. Make sure feet are placed squarely on the work surface.
2. For your safety and that of others, keep constant pressure on drill bit at all times.
3. When moving from one work area to another, shut off tool.
4. To start drilling the hole use low speed.
5. If drill bit becomes stuck or bound, shut tool off immediately.
6. Refill oil reservoir approximately every two hours.

After:
1. Flush tool with cleaning solvent, then refill with oil.
2. Do not leave tool in water or in dirt.
3. Check all bolts and nuts to see that they are tight on the tool.
4. Store the tool well oiled.

TROUBLE SHOOTING GUIDE

If you experience loss of power in the tool:
1. Check side rod nuts to ensure they are tight.
2. Flush cleaning solvent through the tool and then immediately run a small portion of oil through it.
3. Disassemble and inspect ratchet pawls If pawls show signs of wear around the corners, they should be replaced.
4. While tool is disassembled, check the cleanliness of the valve and ensure cylinder ports are clear.

If the tool is blowing air and will not function:
1. Disassemble, check for broken piston, broken rifle bar or worn rifle nut.
2. Check valve system for worn parts. If found, worn parts need to be replaced.

If you cannot shut the tool off:
1. Immediately turn off air source, then disconnect air supply.
2. Disassemble backhead and inspect throttle valve. Replace throttle valve if worn.

REMEMBER: PREVENTIVE MAINTENANCE WILL ASSURE MAXIMUM PERFORMANCE FROM ALL OF YOUR APT TOOLS.
Weighing only 9 lbs., the APT Model 109 Rock Drill / Utility Drill is the lightest tool American Pneumatic Tool makes. It is the ideal tool for drilling holes for anchor bolts as well as for small dowel hole drilling. The stop rotation feature easily converts tool from a drilling machine to a percussion tool.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chuck Size inches</th>
<th>Bore</th>
<th>Stroke</th>
<th>BPM</th>
<th>CFM @ 90 PSI inlet pressure</th>
<th>Weight lbs.</th>
<th>Length inches</th>
<th>Air Inlet NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>17643</td>
<td>3/4 x 3-3/4</td>
<td>1-1/4</td>
<td>1</td>
<td>3400</td>
<td>19-21</td>
<td>9</td>
<td>15</td>
<td>3/8 female</td>
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<tr>
<td>18097</td>
<td>spline</td>
<td>1-1/4</td>
<td>1</td>
<td>3400</td>
<td>19-21</td>
<td>9</td>
<td>15</td>
<td>3/8 female</td>
</tr>
</tbody>
</table>

### FEATURES

- Left-to-right hand rotation
- Stop-rotation feature
- Light-weight aluminum cast handle
- Rubber dust cover protects internal retainer parts
- Quick change ball-type retainer

NEW! • Available with Spline Chuck
The APT Model 115 Rock Drill works as a drilling tool for drilling holes for anchor bolts and small dowel hole drilling. This versatile tool has a stop rotation feature that converts it from a drilling tool to a percussion tool. It is an ideal tool for light chipping in horizontal and overhead work.

### Features
- Stop-rotation feature
- Built-in automatic oiler
- Latch type retainer
- Light-weight aluminum cast handle

### Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chuck Size</th>
<th>Bore</th>
<th>Stroke</th>
<th>BPM</th>
<th>CFM @ 90 PSI inlet pressure</th>
<th>Weight</th>
<th>Length</th>
<th>Air Inlet NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5197</td>
<td>7/8 x 3-1/4</td>
<td>1-15/16</td>
<td>1-3/8</td>
<td>2900</td>
<td>32-36</td>
<td>14</td>
<td>18-3/8</td>
<td>3/8 male</td>
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</tbody>
</table>
The APT Model 137 Rock Drill is a versatile midsize Rock Drill used in general construction, utility work, and plant maintenance. It is designed for drilling through granite, hard faced rock, quarry drilling and for drilling secondary holes for blasting. It can also be used with dowel hole drilling machines. The Model 137 is adaptable to wet drilling application by attaching the APT valve, wet tube and swivel assembly.

### FEATURES
- 4 drilling speeds
- Replaceable piston stem bearing
- Available wet or dry
- Counter clockwise rotation
- Rubber handle grips

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chuck Size inches</th>
<th>Bore</th>
<th>Stroke</th>
<th>BPM</th>
<th>CFM @ 90 PSI inlet pressure</th>
<th>Weight lbs.</th>
<th>Length inches</th>
<th>Air Inlet NPT</th>
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</thead>
<tbody>
<tr>
<td>5223</td>
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<td>2-3/8</td>
<td>2-5/8</td>
<td>2300</td>
<td>85-90</td>
<td>38</td>
<td>19-3/4</td>
<td>1/2 male</td>
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<tr>
<td>5225</td>
<td>7/8 x 4-1/4</td>
<td>2-3/8</td>
<td>2-5/8</td>
<td>2300</td>
<td>85-90</td>
<td>38</td>
<td>19-3/4</td>
<td>1/2 male</td>
</tr>
<tr>
<td>5227</td>
<td>1 x 4-1/4</td>
<td>2-3/8</td>
<td>2-5/8</td>
<td>2300</td>
<td>85-90</td>
<td>38</td>
<td>19-3/4</td>
<td>1/2 male</td>
</tr>
</tbody>
</table>
To convert tool for wet use, remove 2602 Plug and add 3389 Swivel Assy; 2116 Valve and 3013 Wet Tube.

* FOR REFERENCE ONLY (THESE PARTS NOT SOLD SEPARATELY)
The APT Model 155 Rock Drill is a tough 60 lb. class Rock Drill. This tool is can be used in general construction as well as in utility work and plant maintenance. It is designed for drilling through granite, hard faced rock, quarry drilling and drilling secondary holes for blasting. This tool can also be used with dowel hole drilling machines. Adaptable to wet drilling application by attaching the APT valve, wet tube and swivel assembly.

### FEATURES
- 3 drilling speeds
- Replaceable piston stem bearing
- Built-in automatic oiler
- Available wet or dry
- Counter clockwise rotation
- Rubber handle grips

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chuck Size</th>
<th>Bore</th>
<th>Stroke</th>
<th>BPM</th>
<th>CFM @ 90 PSI inlet pressure</th>
<th>Weight lbs.</th>
<th>Length inches</th>
<th>Air Inlet NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5229</td>
<td>7/8 x 3-1/4</td>
<td>2-5/8</td>
<td>3</td>
<td>2100</td>
<td>110-120</td>
<td>61</td>
<td>22-3/8</td>
<td>3/4 male</td>
</tr>
<tr>
<td>5231</td>
<td>7/8 x 4-1/4</td>
<td>2-5/8</td>
<td>3</td>
<td>2100</td>
<td>110-120</td>
<td>61</td>
<td>22-3/8</td>
<td>3/4 male</td>
</tr>
<tr>
<td>5233</td>
<td>1 x 4-1/4</td>
<td>2-5/8</td>
<td>3</td>
<td>2100</td>
<td>110-120</td>
<td>61</td>
<td>22-3/8</td>
<td>3/4 male</td>
</tr>
</tbody>
</table>
# AMERICAN PNEUMATIC TOOL

**APT MODEL 155**

**ROCK DRILL**

<table>
<thead>
<tr>
<th>TOOL PART NO.</th>
<th>WET</th>
<th>DRY</th>
<th>CHUCK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5230</td>
<td>5229</td>
<td>7/8&quot; hex x 3 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>5232</td>
<td>5231</td>
<td>7/8&quot; hex x 4 1/4&quot;</td>
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</tr>
<tr>
<td>5234</td>
<td>5233</td>
<td>1&quot; hex x 4 1/4&quot;</td>
<td></td>
</tr>
</tbody>
</table>

- **1629 DRY HEAD ASSY INCLUDES 2602 PLUG AND 5899 BACKHEAD.**

- To convert tool for wet use, remove 2602 Plug and add 3389 Swivel Assy, 2116 Valve, and 2124 Wet Tube.

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**FOR REFERENCE ONLY**

(These parts not sold separately)
The APT Model 138 Rock Drill is a tough, dependable 50-lb. class rock drill. Light enough at 50 pounds, yet tough enough to drill holes up to 15 feet deep. The Model 138, which is APT’s version of the popular Thor 38, works exceptionally well when used for secondary drilling in tunnels and quarries, and can also be used with dowel hole drilling machines. The Model 138 has three drilling speeds and a counter-clockwise rotation feature to make drilling a snap.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chuck Size inches</th>
<th>Bore inches</th>
<th>Stroke inches</th>
<th>BPM @ 90 PSI inlet pressure</th>
<th>CFM @ 90 PSI inlet pressure</th>
<th>Weight lbs.</th>
<th>Length inches</th>
<th>Air Inlet NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>18257</td>
<td>7/8 x 3-1/4</td>
<td>2-5/8</td>
<td>2-13/16</td>
<td>2100</td>
<td>99-105</td>
<td>50.5</td>
<td>20</td>
<td>3/4 male</td>
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<tr>
<td>18151</td>
<td>7/8 x 4-1/4</td>
<td>2-5/8</td>
<td>2-13/16</td>
<td>2100</td>
<td>99-105</td>
<td>50.5</td>
<td>20</td>
<td>3/4 male</td>
</tr>
<tr>
<td>18121</td>
<td>1 x 4-1/4</td>
<td>2-5/8</td>
<td>2-13/16</td>
<td>2100</td>
<td>99-105</td>
<td>50.5</td>
<td>20</td>
<td>3/4 male</td>
</tr>
</tbody>
</table>

**FEATURES**

- 3 drilling speeds
- Replaceable piston stem bearing
- Built-in automatic oiler
- Available wet or dry
- Counter clockwise rotation
- Rubber handle grips
## American Pneumatic Tool

### APT Model 138

#### Rock Drill

<table>
<thead>
<tr>
<th>Tool Part No.</th>
<th>Wet</th>
<th>Dry</th>
<th>Chuck Size</th>
</tr>
</thead>
<tbody>
<tr>
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<td>18257</td>
<td>18151</td>
<td>7/8&quot; hex x 3 1/4&quot;</td>
</tr>
<tr>
<td></td>
<td>18153</td>
<td>18121</td>
<td>7/8&quot; hex x 4 1/4&quot;</td>
</tr>
<tr>
<td></td>
<td>18154</td>
<td>18122</td>
<td>1&quot; hex x 4 1/4&quot;</td>
</tr>
</tbody>
</table>

### Parts List

- **Tool Parts for Wet Use:**
  - 2602 Plug (dry only)
  - 4061 Nut
  - 2602 Plug
  - 18132 Backhead Assy. Includes 18123 Backhead & 2602 Plug

- **Additional Parts for Wet Head:**
  - 6916 Ring
  - 3457 Nut
  - 2074 O-Ring
  - 2295 Swivel Assy

To convert tool for wet use, remove 2602 Plug and add 3389 Swivel Assy, 2116 Valve and 2124 Wet Tube.

*For Reference Only (These Parts Not Sold Separately)*