**SPECIFICATIONS**

- Diameter: 7-1/8" (181 mm)
- Bore: 6" (152 mm)
- Stroke: 3-3/4" (95 mm)
- Weight (Hammer only): 407 lbs. (185 kg)
- Length (Shoulder to Shoulder): 50" (127 cm)
- Length (Shoulder to Bit Face): 55-1/4" (140 cm)
- A.P.I. Reg. Threads: 4-1/2

- 1850 blows per minute at 350 PSI (23.8 BAR)
- Drills holes from 7-7/8" to 10" (200 mm - 254 mm) in diameter
- Accepts 380 bit shank

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**FEATURES**

- Outdistances competitive hammers in both speed and longevity
- Simplified hammer design with less internal components
- Drills at high frequency to provide less vibration and smooth operation
- More efficient design requires less air which equals fuel savings
- Designed to operate at pressures up to 500 PSI (34.5 BAR)
- Ability to drill efficiently against high heads of water

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**AIR CONSUMPTION**
# Down Hole Button Bits

**Patriot® 85**

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>WEIGHT*</th>
<th>FACES AVAILABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-7/8” (200 mm)</td>
<td>106 lbs. (48.1 kg)</td>
<td></td>
</tr>
<tr>
<td>8” (203 mm)</td>
<td>107 lbs. (48.5 kg)</td>
<td></td>
</tr>
<tr>
<td>8-1/2” (216 mm)</td>
<td>112 lbs. (50.8 kg)</td>
<td></td>
</tr>
<tr>
<td>8-5/8” (219 mm)</td>
<td>113 lbs. (51.3 kg)</td>
<td></td>
</tr>
<tr>
<td>8-3/4” (222 mm)</td>
<td>114 lbs. (51.7 kg)</td>
<td></td>
</tr>
<tr>
<td>8-7/8” (225 mm)</td>
<td>115 lbs. (52.2 kg)</td>
<td></td>
</tr>
<tr>
<td>9” (229 mm)</td>
<td>120 lbs. (54.4 kg)</td>
<td></td>
</tr>
<tr>
<td>10” (254 mm)</td>
<td>125 lbs. (56.7 kg)</td>
<td></td>
</tr>
</tbody>
</table>

*Bit weights are approximate

### Features

- 3/4” (19 mm) diameter carbide buttons throughout face
- Chipways designed for faster hold cleaning
- Carbide buttons positioned for better fracture of rock providing faster penetration rates
- Several grades and types of carbide are available
- Other bit sizes may be available upon request

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