This machine has been field proven by hundreds of contractors on free or steel cased bores through a wide range of bores. It has 37,500 lbs. of hydraulic thrust to jack casing and Richmond’s outstanding dual planetary gear box that provides maximum power and torque to the auger and cutting head. The power package is easily removed from the track for dry overnight storage, leaving the track to grade.

Standard equipment includes the same proven “pushbar-track lock mechanism” found on the larger Richmond machines, a quality hydraulic system with replaceable filter, and an engine starter pack with battery.

*PATENTS PENDING

SPECIFICATIONS

**WEIGHTS (approx.)**

- Base machine on one 10 ft. (3.048 m)
  - track section ........... 1475 lbs. (669 kgs.)
  - Additional 10 ft. (3.048 m)
    - track section ........... 300 lbs. (136 kgs.)

**POWER SYSTEM**

- Engine .......... 12.5 HP air-cooled, four cycle gasoline engine w/engine starter pack and battery
- Transmission ....... 3 speeds forward and one reverse
- Speed Reducer ... Richmond planetary gear box
- Auger Speeds ..... 15 - 80 RPM

**HYDRAULIC SYSTEM**

- Pump ............... Single section pump
- Oil Tank ............ With replaceable filters
- Thrust .............. 37,500 lbs. (16,783 kgs.) from single cylinder
- Control Valve ...... Single lever valve

**AUGER DRIVE**

- 1-5/8" (41.28 mm) Hex Adapters available for other hex sizes.

**WORK RANGES**

- Free bores .......... 2¾" (69.8 mm) to 20" (508 mm) dia.
- Cased bores .......... 4" (80 mm) to 20" (508 mm) dia.

**Typical bore diameters and lengths**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>8</th>
<th>12</th>
<th>16</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>In. (mm)</td>
<td>(203.2)</td>
<td>(304.8)</td>
<td>(406.4)</td>
<td>(508)</td>
</tr>
<tr>
<td>Ft. (m)</td>
<td>175</td>
<td>125</td>
<td>90</td>
<td>85</td>
</tr>
</tbody>
</table>

*Maximum practical lengths will vary with soil conditions

**DIMENSIONS**

- Bore Center Line ............. 15" (381.0 mm)
- Overall Height .................. 44" (1117.6 mm)
- Overall Length ................ 120" (3048.0 mm)
- Overall Width ................. 24" (609.6 mm)

**ACCESSORIES**

- Master Casing Pusher ........ 20" (508 mm) diameter and casing saddle
- Casing attachments and saddles for diameters less than 20" (508 mm)
- Auger ....................... 2¾" (69.8 mm) to 20" (508 mm) dia.
  - in 2" (50.8 mm) increments
- Cutting heads ............... Dirt and rock heads
  - See Heads & Auger catalog
- Track Sections in 10' (3.048 m) lengths for cased bores