Manufacturing the Latest in Auger Boring Technology for over 40 Years.

- Featuring an exceedingly productive rack & pinion system. No dogging or winching occurs when rapidly pulling the machine back to the starting position on the track.
- Fast! Necessary for pulling auger, steering rods and pushing product.
- High operator visibility into master pusher.
- Tremendous stability from the low centerline and wide stance.
- Hydraulically assisted clutch (not available on the 24/30-150 model) is easy and comfortable to operate.
- No hook rollers because the machine locks safely to the track.
- Easy auger installation with ergonomic operating controls. Allows for feathering of the rotation and slow turn of the shaft.
- Gauge system includes engine tachometer, engine warning light, hour meter and thrust pressure reading.

**How to Determine Which Machine is Right for You?**

**48/54-900**

- Maximum Casing Size
- lbs. of thrust available x 1000 (in this case 900,000 lbs.)

American Augers offers a huge selection of auger boring tools and accessories to complement any job you encounter.

www.AmericanAugers.com
## AUGER BORING MACHINES
### PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>24/30-150</th>
<th>36-600</th>
<th>42/48-600</th>
<th>48/54-900</th>
<th>60-1200</th>
<th>72-1200</th>
<th>84/96-1800</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Train</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Deutz D3L2011F Interim Tier IV Diesel</td>
<td>Deutz D914L06 Tier III Diesel</td>
<td>Deutz TCD914L06 Tier III Diesel</td>
<td>Caterpillar C-7 ACERT Tier III Diesel</td>
<td>Caterpillar C-7 ACERT Tier III Diesel</td>
<td>Caterpillar C-7 ACERT Tier III Diesel</td>
<td>Caterpillar C-7 ACERT Tier III Diesel</td>
</tr>
<tr>
<td>Rating</td>
<td>46 HP (34.3 kW)</td>
<td>116 HP (86.5 kW)</td>
<td>174 HP (130 kW)</td>
<td>250 HP (186 kW)</td>
<td>300 HP (223 kW)</td>
<td>838 ft. lbs. (1,136 Nm)</td>
<td>1,800,000 lbs. (816 tonnes)</td>
</tr>
<tr>
<td>Max. Engine Speed</td>
<td>2,800 RPM</td>
<td>2,300 RPM</td>
<td>2,800 RPM</td>
<td>2,100 RPM</td>
<td>2,100 RPM</td>
<td>2,100 RPM</td>
<td>2,100 RPM</td>
</tr>
<tr>
<td>Engine Torque</td>
<td>89 ft. lbs. (136.9 Nm)</td>
<td>276 ft. lbs. (374.2 Nm)</td>
<td>625 ft. lbs. (847.4 Nm)</td>
<td>625 ft. lbs. (847.4 Nm)</td>
<td>838 ft. lbs. (1,136 Nm)</td>
<td>1,800,000 lbs. (816 tonnes)</td>
<td>1,800,000 lbs. (816 tonnes)</td>
</tr>
<tr>
<td>Transmission</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Type</td>
<td>Borg Warner T-18 4-Speed</td>
<td>Eaton FS-5205A 5-Speed</td>
<td>Eaton FS-6406 6-Speed</td>
<td>Dual plate, spring applied</td>
<td>Dual plate, spring applied</td>
<td>Dual plate, spring applied</td>
<td>Dual plate, spring applied</td>
</tr>
<tr>
<td>Clutch</td>
<td>Spring applied with 10 in. (254 mm) diameter single disk</td>
<td>Dual plate, spring applied with 14 in. (356 mm) diameter single disk / hydraulically assisted clutch actuator</td>
<td>Dual plate, spring applied with 14 in. (356 mm) diameter single disk / hydraulically assisted clutch actuator</td>
<td>Dual plate, spring applied with 14 in. (356 mm) diameter twin disk / hydraulically assisted clutch actuator</td>
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<td>Dual plate, spring applied with 14 in. (356 mm) diameter twin disk / hydraulically assisted clutch actuator</td>
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</tr>
<tr>
<td>Ratio</td>
<td>46.7:1</td>
<td>54.2:1</td>
<td>38.8:1</td>
<td>35.63:1</td>
<td>25.6:1</td>
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<tr>
<td><strong>Hydraulic System</strong></td>
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<td></td>
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</tr>
<tr>
<td>Max. Thrust</td>
<td>150,000 lbs. (68 tonnes)</td>
<td>600,000 lbs. (272 tonnes)</td>
<td>1,200,000 lbs. (544 tonnes)</td>
<td>1,200,000 lbs. (544 tonnes)</td>
<td>1,800,000 lbs. (816 tonnes)</td>
<td>1,800,000 lbs. (816 tonnes)</td>
<td>1,800,000 lbs. (816 tonnes)</td>
</tr>
<tr>
<td>Hydraulic Thrust Cylinder:</td>
<td>(3) 4 in. bore x 36 in. stroke (102 mm x 914 mm)</td>
<td>(3) 8 in. bore x 35 in. stroke (229 mm x 889 mm)</td>
<td>(4) 9 in. bore x 35 in. stroke (229 mm x 889 mm)</td>
<td>(4) 9 in. bore x 35 in. stroke (229 mm x 889 mm)</td>
<td>(4) 12 in. bore x 35 in. stroke (305 mm x 889 mm)</td>
<td>(4) 12 in. bore x 35 in. stroke (305 mm x 889 mm)</td>
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</tr>
<tr>
<td>Diameter</td>
<td>24 in. (610 mm)</td>
<td>36 in. (914 mm)</td>
<td>48 in. (1,219 mm)</td>
<td>60 in. (1,524 mm)</td>
<td>84 in. (2,134 mm)</td>
<td>84 in. (2,134 mm)</td>
<td>84 in. (2,134 mm)</td>
</tr>
<tr>
<td>Hex Drive</td>
<td>3 in. (76.2 mm)</td>
<td>4 in. (102 mm)</td>
<td>5 in. (127 mm)</td>
<td>5 in. (127 mm)</td>
<td>6 in. (152.4 mm)</td>
<td>6 in. (152.4 mm)</td>
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<tr>
<td><strong>Master Pusher</strong></td>
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</tr>
<tr>
<td>Extension Track:</td>
<td>(2) Master Saddle:</td>
<td>(2) Extension Track:</td>
<td>(2) Master Saddle:</td>
<td>(2) Master Saddle:</td>
<td>(3) 24 Volt Extension Track:</td>
<td>(3) Extension Track:</td>
<td>(3) Extension Track:</td>
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<tr>
<td>Work Lights</td>
<td>(3) 12 Volt</td>
<td>(3) 12 Volt</td>
<td>(3) 12 Volt</td>
<td>(3) 12 Volt</td>
<td>(3) 24 Volt</td>
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<td>60 in. (1,524 mm)</td>
<td>72 in. (1,829 mm)</td>
<td>72 in. (1,829 mm)</td>
</tr>
<tr>
<td><strong>Misc.</strong></td>
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<td>(3) Extension Track:</td>
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<td>(3) 12 Volt</td>
<td>(3) 24 Volt</td>
<td>(3) 24 Volt</td>
<td>(3) 24 Volt</td>
</tr>
<tr>
<td>Diameter</td>
<td>(1) 36 in. (914 mm)</td>
<td>(1) 48 in. (1,219 mm)</td>
<td>(1) 48 in. (1,219 mm)</td>
<td>(1) 60 in. (1,524 mm)</td>
<td>(1) 60 in. (1,524 mm)</td>
<td>(1) 72 in. (1,829 mm)</td>
<td>(1) 72 in. (1,829 mm)</td>
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<tr>
<td><strong>Misc.</strong></td>
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</tbody>
</table>
## AUGER BORING MACHINES
### PERFORMANCE SPECIFICATIONS

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<tr>
<th>Dimensions</th>
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<th>48/54-900</th>
<th>60-1200</th>
<th>72-1200</th>
<th>84/96-1800</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length</strong></td>
<td>11 ft. 4 in. (3.43 m)</td>
<td>12 ft. 6 in. (3.81 m)</td>
<td>14 ft. 6 in. (4.42 m)</td>
<td>14 ft. 7 in. (4.43 m)</td>
<td>14 ft. 3 in. (4.34 m)</td>
<td>17 ft. (5.18 m)</td>
<td></td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>3 ft. (0.91 m)</td>
<td>5 ft. 7 in. (1.69 m)</td>
<td>5 ft. 9 in. (1.75 m)</td>
<td>7 ft. 1 in. (2.16 m)</td>
<td>8 ft. 6 in. (2.59 m)</td>
<td>8 ft. 8 in. (2.64 m)</td>
<td></td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>4 ft. 7 in. (1.40 m)</td>
<td>5 ft. 9 in. (1.75 m)</td>
<td>6 ft. 2 in. (1.89 m)</td>
<td>7 ft. 5 in. (2.27 m)</td>
<td>8 ft. 3 in. (2.51 m)</td>
<td>9 ft. 4 in. (2.84 m)</td>
<td></td>
</tr>
</tbody>
</table>

**Master Track Length**
- 11 ft. (3.4 m) with
  - 1 in. (25 mm) back plate
- 13 ft. (3.96 m) with 1 in. (25 mm) back plate
- 15 ft. (4.57 m) with
  - 1 in. (25 mm) back plate
- 15 ft. (4.57 m) with
  - 1.5 in. (38 mm) back plate
- 15 ft. (4.57 m) with
  - 1.5 in. (38 mm) back plate

**Centerline**
- 18.12 in. (460 mm)
- 29.27 in. (744 mm)
- 32.89 in. (833.4 mm)
- 36.02 in. (915 mm)
- 43.47 in. (1,104 mm)
- 54.37 in. (1,381 mm)

**Extension Track Length**
- 10 ft. (3 m)
- 10 ft. (3 m)
- 10 ft. (3 m)
- 10 ft. (3 m)
- 8 ft. (2.43 m)

**Extension Track Width**
- 4 ft. 6 in. (1.37 m)
- 6 ft. 3 in. (1.92 m)
- 5 ft. 6 in. (1.67 m)
- 7 ft. 4 in. (2.23 m)
- 8 ft. (2.43 m)
- 10 ft. (3 m)

**Weight**

### Base Unit (Power Pack: 4,050 lbs. (1,837 kg))
- **Base Unit /Power Pack:**
  - 5,100 lbs. (2,313 kg)
  - 6,150 lbs. (2,790 kg)
  - 8,900 lbs. (4,037 kg)
  - 12,000 lbs. (5,443 kg)
  - 13,800 lbs. (6,260 kg)

### Power Pack (Split Weight)
- 6,800 lbs. (3,084 kg)
- 7,200 lbs. (3,266 kg)
- 8,600 lbs. (3,901 kg)
- 14,000 lbs. (6,350 kg)
- 21,000 lbs. (9,525 kg)

### Master Pusher
- 450 lbs. (204 kg)
- 1,100 lbs. (499 kg)
- 1,600 lbs. (726 kg)
- 2,390 lbs. (1,084 kg)
- 2,500 lbs. (1,134 kg)
- 4,850 lbs. (2,200 kg)

### Master Track
- 1,300 lbs. (590 kg)
- 3,500 lbs. (1,587 kg)
- 3,900 lbs. (1,769 kg)
- 7,100 lbs. (3,221 kg)
- 7,700 lbs. (3,493 kg)
- **Front Master Track:** 5,900 lbs. (2,676 kg)
- **Rear Master Track:** 7,500 lbs. (3,402 kg)

### Lifting Sling
- 140 lbs. (63.5 kg)
- 300 lbs. (136 kg)
- 350 lbs. (159 kg)
- 550 lbs. (249 kg)
- 700 lbs. (318 kg)
- 900 lbs. (408 kg)

### TOTAL WEIGHT
- **5,940 lbs. (2,694 kg)**
- **16,800 lbs. (7,620 kg)**
- **19,200 lbs. (8,709 kg)**
- **27,540 lbs. (12,492 kg)**
- **36,900 lbs. (16,740 kg)**
- **53,950 lbs. (24,470 kg)**

### Extension Track
- 1,150 lbs. (521 kg)
- 2,800 lbs. (1,270 kg)
- 3,000 lbs. (1,361 kg)
- 3,500 lbs. (1,588 kg)
- 5,600 lbs. (2,540 kg)
- 6,200 lbs. (2,812 kg)
- (3) 6,000 lbs. (2,722 kg) each

### Master Saddle
- 60 lbs. (27 kg)
- 105 lbs. (48 kg)
- 290 lbs. (132 kg)
- 120 lbs. (54 kg)
- 135 lbs. (61 kg)
- 150 lbs. (68 kg)
- 600 lbs. (272 kg)
The American Augers line of underground construction equipment is second-to-none.
- Auger Boring Machines
- Maxi-Rig & Mid-Size Directional Drills
- Oil & Gas Drilling Rigs
- Mud Pump & Cleaning Systems
- Product Tooling & Accessories

American Augers products are manufactured at the company’s 241,000 square-foot facility in West Salem, Ohio, in the heart of Amish country between Columbus and Cleveland.

Since the founding of American Augers in 1970, there has never been a change in the company’s core value: having products developed by a can-do work force that focuses on mechanical, technological and customer-based design improvements. Our goal is to always exceed customer expectations by providing products that are not a cost of doing business, but an Investment in Success.

Did You Know? American Augers was the first HDD manufacturer to eliminate chain and utilize a rack and pinion carriage design which is now the industry standard. Our rack and pinion drive provides smoother carriage movement, more precise operating control, long system life and no complicated parts.

American Augers machines are supported through a dedicated parts and technical service department. We are here to help whenever you need us 24 hours a day, 7 days a week, emergency or not.

www.AmericanAugers.com

Environmental Commitment
American Augers is committed to manufacturing equipment that helps to preserve the sanctity of the global environment, and has done so by reducing noise and/or emissions outputs, and emphasizing the fact that our trenchless technology equipment requires little or no open cutting, which has very minimal impacts on natural surfaces, features, or habitats.

**Disc Cutter Head**

<table>
<thead>
<tr>
<th>Casing/Diameter Size</th>
<th>Head Diameter</th>
<th>Hex Size</th>
<th># of Cutters</th>
<th>Required Torque</th>
<th>Required Thrust</th>
<th>Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 in. (610 mm)</td>
<td>26 in. (660 mm)</td>
<td>4 in. (102 mm)</td>
<td>9</td>
<td>7,800 ft. lbs. (10,580 Nm)</td>
<td>94,995 lbs. (43 Tonnes)</td>
<td>2,225 lbs. (1,009 kg)</td>
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<tr>
<td>30 in. (762 mm)</td>
<td>32 in. (813 mm)</td>
<td>4 in. (102 mm)</td>
<td>11</td>
<td>11,900 ft. lbs. (16,130 Nm)</td>
<td>116,105 lbs. (53 Tonnes)</td>
<td>3,066 lbs. (1,391 kg)</td>
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<tr>
<td>36 in. (914 mm)</td>
<td>38 in. (965 mm)</td>
<td>4 in. (102 mm)</td>
<td>13</td>
<td>16,900 ft. lbs. (22,910 Nm)</td>
<td>137,215 lbs. (63 Tonnes)</td>
<td>4,100 lbs. (1,860 kg)</td>
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<tr>
<td>42 in. (1,067 mm)</td>
<td>44 in. (1,118 mm)</td>
<td>5 in. (127 mm)</td>
<td>16</td>
<td>25,800 ft. lbs. (34,980 Nm)</td>
<td>168,880 lbs. (77 Tonnes)</td>
<td>4,862 lbs. (2,205 kg)</td>
</tr>
</tbody>
</table>

*Note: All product performance specifications, components, weights, dimensions and other related information is subject to change without notice from the manufacturer.*

*American Augusters Disc Cutter Head* offers auger boring contractors the latest in field-proven technology to succeed in hard rock or other intrusive ground conditions up to 25,000 psi (1,724 bar).

**Retractable, Large Diameter Cutter Head with Increased Access**

**Power Assisted Steering Jacks** let the operator make steering corrections with ease and precision.

**Retractable Steering Assembly** gives better access to service the cutter head.

**Spoil Removal.** Greater area for quick removal and passage of spoils from the face: cutters do not roll over in spoils.

**Hex Adapter** adapts to any size or brand of auger boring machine with a 4 in. (102 mm) or 5 in. (127 mm) hex.