



AMERICAN AUGERS®

an Astec company

24/30-150

36-600


42/48-600

48/54-900

60-1200

72-1200

84/96-1800



Auger Boring Machines

Utilities Water Gas Sewer Communication Drainage

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

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.

Available in Sizes to Perform all your Underground Boring Needs



84/96-1800



72-1200



60-1200



48/54-900



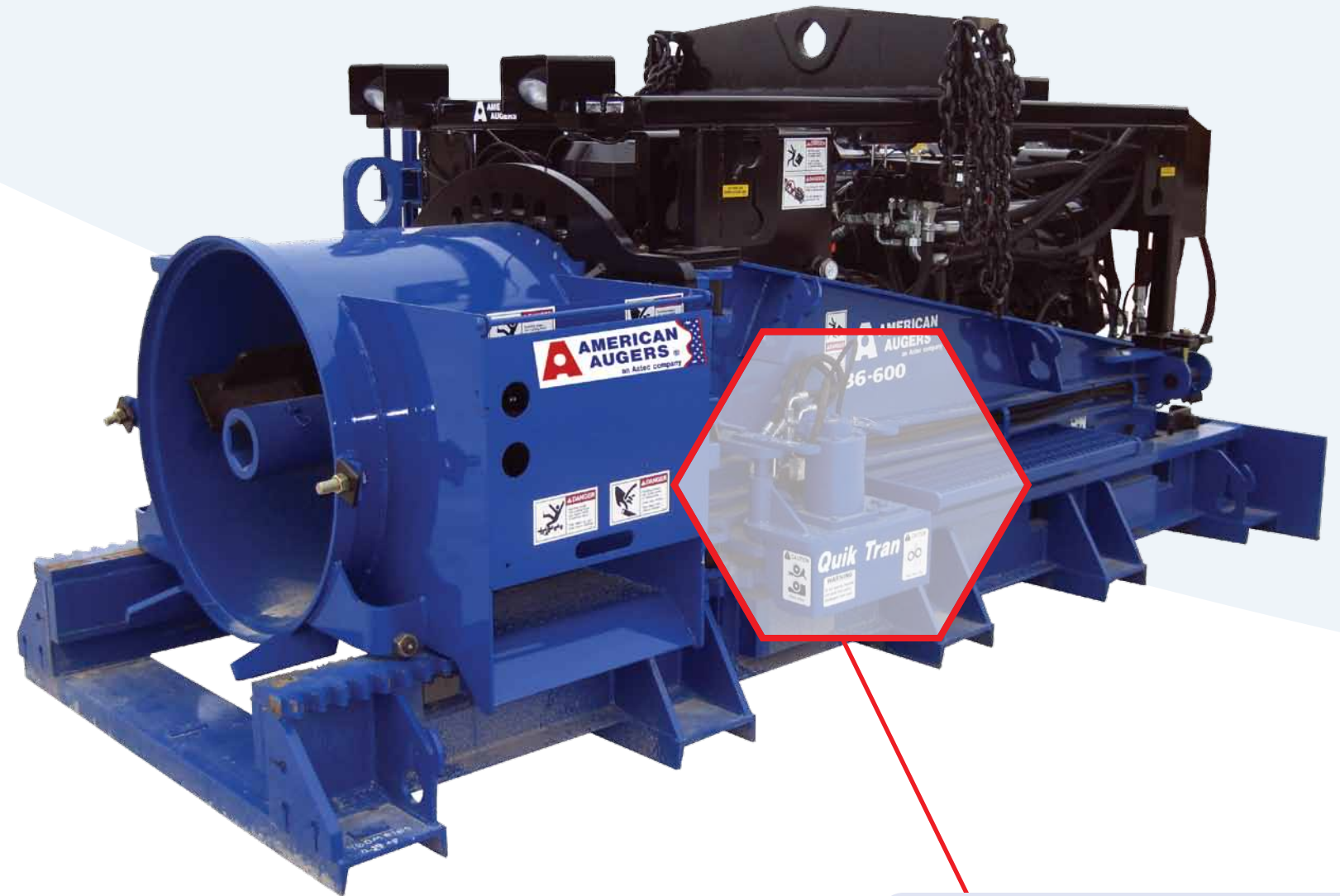
42/48-600



36-600



24/30-150



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.)

Quik Tran

The fast return system exclusively from American Augers. Quik Tran provides up to 10,000 lbs. (4,536 kg) or 20,000 lbs. (9,072 kg) with dual drives of push/pull at high speed with no dogging or winching during retract. It engages directly to the machine track for easier operation in challenging work conditions.

**Not available on 24/30-150 model.*

AUGER BORING MACHINES

PERFORMANCE SPECIFICATIONS



| | 24/30-150 | 36-600 | 42/48-600 | 48/54-900 | 60-1200 | 72-1200 | 84/96-1800 |
|------------------|---|---|-----------|---|--|--|--|
| Power Train | Engine: Deutz D3L2011F Interim Tier IV Diesel Rating: 46 HP (34.3 kW) Max. Engine Speed: 2,800 RPM Engine Torque: 89 ft. lbs. (120.7 Nm) 2,800 RPM 101 ft. lbs. (136.9 Nm) 1,700 RPM Fuel Capacity: 10 U.S. Gallons (38 L) Hydraulic Capacity: 14.5 U.S. Gallons (55 L) | Engine: Deutz D914LO6 Tier III Diesel Rating: 116 HP (86.5 kW) Max. Engine Speed: 2,300 RPM Engine Torque: 228 ft. lbs. (309.1 Nm) 2,300 RPM 276 ft. lbs. (374.2 Nm) 1,600 RPM Fuel Capacity: 18.5 U.S. Gallons (70 L) Hydraulic Capacity: 22.6 U.S. Gallons (86 L) | | Engine: Deutz TCD914LO6 Tier III Diesel Rating: 174 HP (130 kW) Max. Engine Speed: 2,300 RPM Engine Torque: 373 ft. lbs. (505.7 Nm) 2,300 RPM 468 ft. lbs. (634.5 Nm) 1,600 RPM Fuel Capacity: 39 U.S. Gallons (148 L) Hydraulic Capacity: 22 U.S. Gallons (83 L) | | Engine: Caterpillar C-7 ACERT Tier III Diesel Rating: 250 HP (186 kW) Max. Engine Speed: 2,100 RPM Engine Torque: 625 ft. lbs. (847.4 Nm) 2,100 RPM 625 ft. lbs. (847.4 Nm) 1,600 RPM Fuel Capacity: 58 U.S. Gallons (219 L) Hydraulic Capacity: 48 U.S. Gallons (181 L) | Engine: Caterpillar C-7 ACERT Tier III Diesel Rating: 300 HP (223 kW) Max. Engine Speed: 2,100 RPM Engine Torque: 838 ft. lbs. (1,136 Nm) 2,100 RPM 814 ft. lbs. (1,103 Nm) 1,137 RPM Fuel Capacity: 87 U.S. Gallons (329 L) Hydraulic Capacity: 90 U.S. Gallons (340 L) |
| Transmission | Type: Borg Warner T-18 4-Speed Clutch: Spring applied with 10 in. (254 mm) diameter single disk | Type: Eaton FS-5205A 5-Speed Clutch: Dual plate, spring applied with 14 in. (356 mm) diameter single disk / hydraulically assisted clutch actuator | | | | Type: Eaton FS-6406 6-Speed Clutch: Dual plate, spring applied with 14 in. (356 mm) diameter twin disk / hydraulically assisted clutch actuator | Type: Eaton FRO11210C 10-Speed Clutch: Dual plate, spring applied with 14 in. (356 mm) diameter twin disk / hydraulically assisted clutch actuator |
| Gearbox | Ratio: 46.7:1 | Ratio: 54.2:1 | | Ratio: 38.8:1 | | Ratio: 35.63:1 | Ratio: 25.6:1 |
| Hydraulic System | Max. Thrust: 150,000 lbs. (68 tonnes) Hydraulic Thrust Cylinder: (3) 4 in. bore x 36 in. stroke (102 mm x 914 mm) | Max. Thrust: 600,000 lbs. (272 tonnes) Hydraulic Thrust Cylinder: (2) 9 in. bore x 35 in. stroke (229 mm x 889 mm) | | Max. Thrust: 900,000 lbs. (408 tonnes) Hydraulic Thrust Cylinder: (3) 9 in. bore x 35 in. stroke (229 mm x 889 mm) | Max. Thrust: 1,200,000 lbs. (544 tonnes) Hydraulic Thrust Cylinder: (4) 9 in. bore x 35 in. stroke (229 mm x 889 mm) | Max. Thrust: 1,200,000 lbs. (544 tonnes) Hydraulic Thrust Cylinder: (4) 9 in. bore x 35 in. stroke (229 mm x 889 mm) | Max. Thrust: 1,800,000 lbs. (816 tonnes) Hydraulic Thrust Cylinder: (4) 12 in. bore x 35 in. stroke (305 mm x 889 mm) |
| Master Pusher | Diameter: 24 in. (610 mm) Working Range: 4 in. - 30 in. (102 mm - 762 mm) Hex Drive: 3 in. (76.2 mm) | Diameter: 36 in. (914 mm) Working Range: 12 in. - 42 in. (305 mm - 1,067 mm) Hex Drive: 4 in. (102 mm) | | Diameter: 48 in. (1,219 mm) Working Range: 24 in. - 54 in. (610 mm - 1,372 mm) Hex Drive: 4 in. (102 mm) | Diameter: 60 in. (1,524 mm) Working Range: 24 in. - 60 in. (610 mm - 1,524 mm) Hex Drive: 5 in. (127 mm) | Diameter: 72 in. (1,829 mm) Working Range: 24 in. - 72 in. (610 mm - 1,829 mm) Hex Drive: 5 in. (127 mm) | Diameter: 84 in. (2,134 mm) Working Range: 24 in. - 96 in. (610 mm - 2,439 mm) Hex Drive: 6 in. (152.4 mm) |
| Misc. | Extension Track: (2) Master Saddle: (1) 24 in. (610 mm) compatible | Work Lights: (3) 12 Volt Extension Track: (2) Master Saddle: (1) 36 in. (914 mm) compatible | | Work Lights: (3) 12 Volt Extension Track: (2) Master Saddle: (1) 48 in. (1,219 mm) compatible | Work Lights: (3) 12 Volt Extension Track: (2) Master Saddle: (1) 60 in. (1,524 mm) compatible | Work Lights: (3) 24 Volt Extension Track: (2) Master Saddle: (1) 72 in. (1,829 mm) compatible | Work Lights: (3) 24 Volt Extension Track: (3) Master Saddle: (1) 96 in. (2,134 mm) compatible |

AUGER BORING MACHINES

PERFORMANCE SPECIFICATIONS



| Dimensions | 24/30-150 | 36-600 | 42/48-600 | 48/54-900 | 60-1200 | 72-1200 | 84/96-1800 |
|---------------------------|--|---|-----------------------|---|---|---|---|
| Length | 11 ft. 4 in. (3.43 m) | 12 ft. 6 in. (3.81 m) | | 14 ft. 6 in. (4.42 m) | 14 ft. 7 in. (4.43 m) | 14 ft. 3 in. (4.34 m) | 17 ft. (5.18 m) |
| Width | 3 ft. (0.91 m) | 5 ft. 7 in. (1.69 m) | | 5 ft. 9 in. (1.75 m) | 7 ft. 1 in. (2.16 m) | 8 ft. 6 in. (2.59 m) | 8 ft. 8 in. (2.64 m) |
| Height | 4 ft. 7 in. (1.40 m) | 5 ft. 9 in. (1.75 m) | | 6 ft. 2 in. (1.89 m) | 7 ft. 5 in. (2.27 m) | 8 ft. 3 in. (2.51 m) | 9 ft. 4 in. (2.84 m) |
| 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 | Two section assembly Total Assembly: 16 ft. (4.87 m) <ul style="list-style-type: none">• (1) 8 ft. (2.43 m) section with 1.5 in. (38 mm) back plate• (1) 8 ft. (2.43 m) section |
| Master 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) |
| Centerline | 18.12 in. (460 mm) | 29.27 in. (744 mm) | | 32.89 in. (835.4 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) | 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 (Split Weight) | Base Unit /Power Pack: 4,050 lbs. (1,837 kg) | 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



The American Augers 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.

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

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

0511