



AMERICAN AUGERS®

an Astec company



Disc Cutter Head

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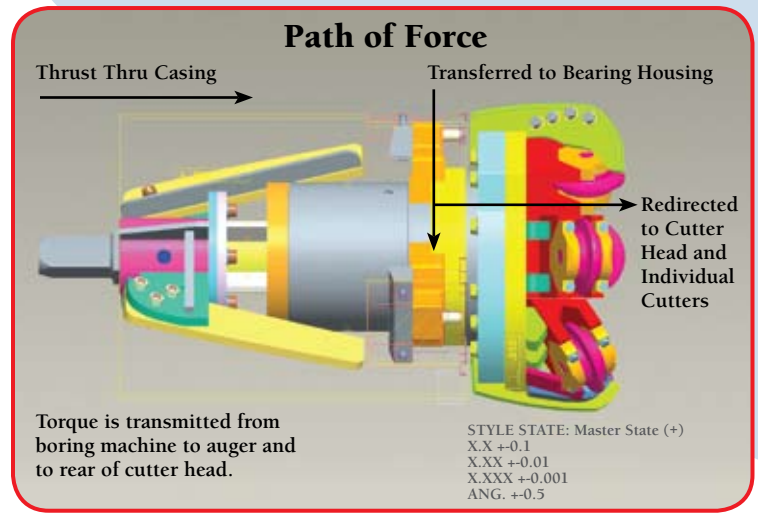
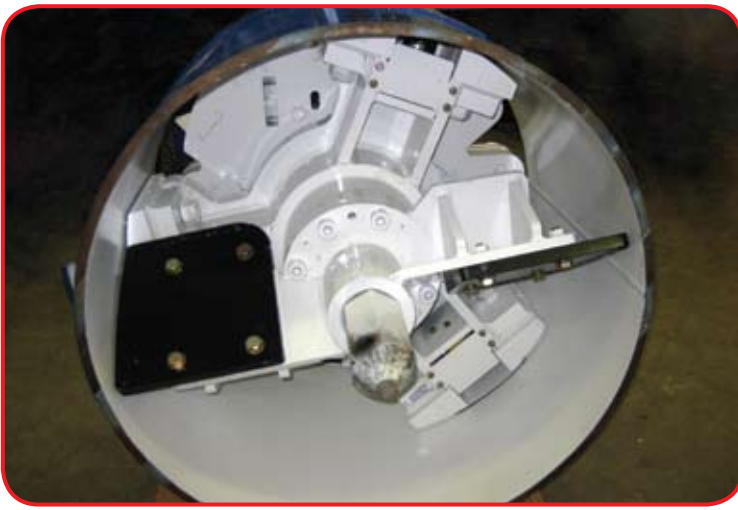
“The AA (American Augers) disc cutter head is the perfect choice. It is effective and productive for both solid and fissured rock, the type that can give boring contractors a fit. The disc cutter head allows us to make bores in a more cost effective manner than before. We are able to bore longer crossings due to the easy turning nature of the head and unique steering advantages it gives us.”

Mark Case - Case Boring Corporation

AA Part Number	Diameter Size	Hex Size	Total Weight
24RH9001	24 in. (610 mm)	4 in. (102 mm)	2,225 lbs. (1,009 kg)
30RH9000	30 in. (762 mm)	4 in. (102 mm)	3,066 lbs. (1,391 kg)
36RH9001	36 in. (914 mm)	4 in. (102 mm)	4,100 lbs. (1,860 kg)
42RH9000	42 in. (1,067 mm)	5 in. (127 mm)	4,862 lbs. (2,205 kg)
48RH9000	48 in. (1,219 mm)	5 in. (127 mm)	12,000 lbs. (5,443 kg)
56RH9000	56 in. (1,422 mm)	5 in. (127 mm)	15,500 lbs. (7,031 kg)
60RH9000	60 in. (1,524 mm)	5 in. (127 mm)	18,000 lbs. (8,165 kg)
72RH9000	72 in. (1,829 mm)	5 in. (127 mm)	22,000 lbs. (9,980 kg)

EXCEPTIONAL FORCE





Head Diameter	Casing Diameter	# of Cutters	Required Torque	Required Thrust
26 in. (660 mm)	24 in. (610 mm)	9	7,800 ft-lbs. (10,580 Nm)	94,995 lbs. (43 Tonnes)
32 in. (813 mm)	30 in. (762 mm)	11	11,900 ft-lbs. (16,130 Nm)	116,105 lbs. (53 Tonnes)
38 in. (965 mm)	36 in. (914 mm)	13	16,900 ft-lbs. (22,910 Nm)	137,215 lbs. (63 Tonnes)
44 in. (1,118 mm)	42 in. (1,067 mm)	16	25,800 ft-lbs. (34,980 Nm)	168,880 lbs. (77 Tonnes)
50 in. (1,270 mm)	48 in. (1,219 mm)	19	32,900 ft-lbs. (44,610 Nm)	200,545 lbs. (90 Tonnes)
56 in. (1,422 mm)	54 in. (1,372 mm)	22	40,900 ft-lbs. (55,450 Nm)	232,210 lbs. (105 Tonnes)
62 in. (1,575 mm)	60 in. (1,524 mm)	13/25	50,900 ft-lbs. (69,010 Nm)	263,763 lbs. (120 Tonnes)
68 in. (1,727 mm)	66 in. (1,676 mm)	14/28	62,800 ft-lbs. (85,150 Nm)	295,415 lbs. (134 Tonnes)
74 in. (1,880 mm)	72 in. (1,829 mm)	16/31	72,000 ft-lbs. (97,620 Nm)	327,205 lbs. (149 Tonnes)



FEATURES AND BENEFITS

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

Retractable Cutter Head

- Allows for cutter change and service to be accomplished outside of the heading

Large Diameter Cutting Head

- Permits the head to retract from the face without moving the product casing

Increased Cutter Access

- Larger openings are designed into the cutter head to allow for removal of the face cutters

Proven Cutter Design

- Contractors can expect a long and competitive cutter life, as the cutting discs are manufactured from high strength steel that increases the durability and benefits the operator by maximizing performance in various geological formations and can withstand the severe loading of mixed faced conditions.

Cutter Head Mounted to the Casing

- Enhances cutter head stability, which promotes an extension of the overall cutter life

Power Assisted Steering Jacks

- Steering corrections can be made with ease and precision

Retractable Steering Assembly

- Better access to service the cutter head

Spoil Removal

- Greater area for quick removal and passage of spoils from the face, which increases cutter life by not allowing the cutters to 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

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.

