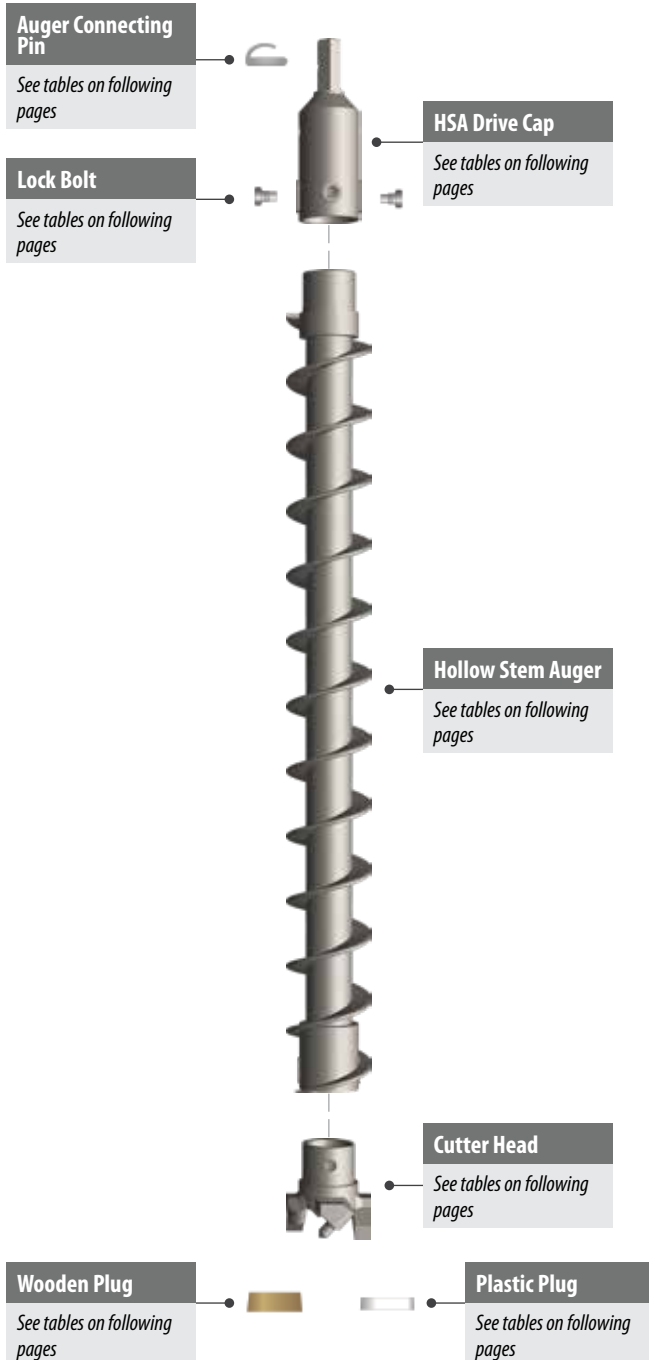


5

Hollow Stem Augers & Frost Augers

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Hollow stem augers can act as temporary casing, keeping the sides of the bore hole from caving in, allowing the crew to take samples through the hollow stem or use it for setting a groundwater monitoring well into place. While not effective when boulders or large cobble stones are encountered, split spoon or continuous coring can be successful in loose, sandy soils.



Key Features

- allows for soil sampling in formations of unconsolidated soils
- rapid drilling into clay-filled soils is easy and cost-effective

Frost augers can be used with GH40 or GH60 hammers to open a probe hole through a frost layer, asphalt, or compacted surface fills. When the layer has been penetrated, remove the auger and begin probing. You can even use your GH60 hammer rotation to drill an 8-inch hole for a well head protector.

HSA Combined Components

Hollow Stem Auger Replacement Parts

Components	Part	MN	Notes
	HSA Replacement Spade Cutter	500239	
	HSA Replacement Bullet Cutter	500240	
	HSA Replacement Lock Bolt	600157	
	Socket 1/2 in. Drive 1-1/8 in. 12PT	600159	
	Breakover Bar	600158	.5 in. Drive




AWJ Drill Rods (for HSA Inner String)

Components	Part	MN	Notes
	AWJ Drill Rod	236534	60 in.
		238501	24 in.
		238499	12 in.

2.25 in. Hollow Stem Augers

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Pins & Drive Caps

Components	Part	MN	Notes
	Drive Pin	600616	.625 Diameter, 2.875 Tube
	HSA Auger Connecting Pin	600193	1-5/8 in. Hex, 77/66 Series Machines
	2.25 in. HSA Drive Cap	216925	1-5/8 Hex Drive







Augers

Components	Part	MN	Notes
		600445	24 in.
	2.25 in. Hollow Stem Auger	219149	48 in., Built to Order
		600032	60 in.








Cutter Heads

Components	Part	MN	Notes
	2.25 in. HSA Cutter Head	600033	6.5 in. OD Spade / Bullet

Pilot Bit String

Components	Part	MN	Notes
	Adapter AWJ Pin x HSA Cap	112771	
	HHCS 3/4-10NC X 4.50 GR8 ZN	104262	
	Nut Hex	101227	3/4-10NC GR5 ZN
	2.25 HSA Pilot Bit Sub A x AWJ NEW	238313	
	2.25 in. HSA Pilot Bit	113513	Apex
	AWJ Drill Rod		See AWJ Drill Rod table on page 33




Accessories

Components	Part	MN	Notes
	2.25 in. HSA Plastic Plug	600250	
	2.25 in. Auger Puller	227010	Not for use with 31 series machines
	2.25 in. HSA Hoisting Cap NEW	235913	
	2.25 in. Auger Fork	203798	
	HSA Replacement Lock Bolt	600157	
	AWJ Spring Assisted Swivel Lift Cap	231440	AWJ, Pin
	Adjustable Center Rod Clamp	205182	1.25 in. Center Rod

3.25 in. Hollow Stem Augers

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Pins & Drive Caps

Components	Part	MN	Notes
	Drive Pin	600616	.625 Diameter, 2.875 Tube
	HSA Auger Connecting Pin	600193	1-5/8 in. Hex, 77/66 Series Machines
	3.25 in. HSA Drive Cap	600554	1-5/8 Hex Drive








Augers

Components	Part	MN	Notes
	3.25 in. Hollow Stem Auger	112774	60 in.

Cutter Heads

Components	Part	MN	Notes
	3.25 in. HSA Cutter Head	600553	7.5 in. OD Spade / Bullet

Pilot Bit String

Components	Part	MN	Notes
	Adapter AWJ Pin x HSA Cap	112771	
	HHCS 3/4-10NC x 5.5 GR5 ZN	102003	
	Nut Hex	101227	3/4-10NC GR5 ZN
	3.25 HSA Pilot Bit Sub N4 x AWJ NEW	238314	7.00 in. S-S
	3.25 in. HSA Pilot Bit	113083	Bullet N4 Pin
	3.25 in. HSA Pilot Bit	600635	Drag N4 Pin
	AWJ Drill Rod		See AWJ Drill Rod table on page 33

Accessories




Components	Part	MN	Notes
	3.25 in. HSA Plastic Plug	600740	
	3.25 in. Auger Puller	226279	Legacy GH60, 6712DT, 7822DT, 6011DT
	3.25 in. HSA Side Grip Puller Weldment NEW	240731	For use with 31 series machines
	3.25 in. HSA Hoisting Cap NEW	235914	
	3.25 in. Auger Fork	600636	
	HSA Replacement Lock Bolt	600157	
	AWJ Spring Assisted Swivel Lift Cap	231440	AWJ, Pin
	Adjustable Center Rod Clamp	205182	1.25 in. Center Rod

S-S (Shoulder to Shoulder)

4.25 in. Hollow Stem Augers

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Pins & Drive Caps

Components	Part	MN	Notes
	Drive Pin	600616	.625 Diameter, 2.875 Tube
	HSA Auger Connecting Pin	600193	1-5/8 in. Hex, 77/66 Series Machines
	4.25 in. HSA Drive Cap NEW	239002	1-5/8 Hex Drive








Augers

Components	Part	MN	Notes
	4.25 in. Hollow Stem Auger	600216	24 in.
		600171	48 in.
		600154	60 in.











Cutter Heads

Components	Part	MN	Notes
	4.25 in. HSA Cutter Head	600155	8.75 in. OD Spade / Bullet

Pilot Bit String

Components	Part	MN	Notes
	Adapter AWJ Pin x HSA Cap	112771	
	HHCS 3/4-10NC x 6.5 GR5 BLK	100194	
	Nut Hex	101227	3/4-10NC GR5 ZN
	4.25 HSA Pilot Bit Sub 2-3/8 REG x AWJ NEW	238316	7.00 in. S-S
	4.25 in. HSA Pilot Bit NEW	600672	Bullet 3.38 Reg Pin
	4.25 in. HSA Pilot Bit	600156	Apex 3.38 Reg Pin
	AWJ Drill Rod	See AWJ Drill Rod table on page 33	




Accessories

Components	Part	MN	Notes
	4.25 in. HSA Wooden Plug	202104	
	4.25 in. HSA Plastic Plug	202105	
	4.25 in. Auger Puller	202187	Legacy GH60, 6712DT, 7822DT, 6011DT
	4.25 in. HSA Side Grip Puller Weldment NEW	240730	For use with 31 series machines
	4.25 in. HSA Flange Puller	208829	3230DT & 8040DT
	4.25 in. HSA Hoisting Cap NEW	235915	
	4.25 in. Auger Fork	202081	
	HSA Replacement Lock Bolt	600157	
	AWJ Spring Assisted Swivel Lift Cap	231440	AWJ, Pin
	Adjustable Center Rod Clamp	205182	1.25 in. Center Rod

6.25 in. Hollow Stem Augers

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Pins & Drive Caps

Components	Part	MN	Notes
	Drive Pin	600616	.625 Diameter, 2.875 Tube
	HSA Auger Connecting Pin	600193	1-5/8 in. Hex, 77/66 Series Machines
	6.25 in. HSA Drive Cap NEW	239003	1-5/8 Hex Drive








Augers

Components	Part	MN	Notes
	6.25 in. Hollow Stem Auger	600361	24 in.
		600308	48 in.
		600209	60 in.

Cutter Heads







Components	Part	MN	Notes
	6.25 in. HSA Cutter Head	600210	Spade / Bullet

Accessories










Components	Part	MN	Notes
	6.25 in. HSA Wooden Plug	600211	
	6.25 in. HSA Plastic Plug	600309	
	6.25 in. Auger Puller	202945	Legacy GH60, 6712DT, 7822DT, 6011DT
	6.25 in. HSA Flange Pull Rod	212685	3230DT & 8040DT
	6.25 in. HSA Hoisting Cap NEW	235916	
	6.25 in. Auger Fork	203982	
	HSA Replacement Lock Bolt	600157	

S-S (Shoulder to Shoulder)






Frost Augers - GH40 Series 2.5 in.

Components	Part	MN	Notes
	Frost Auger Connecting Pin	213805	For 13/16 in. Hex
	2.5 in. Frost Auger	213804	48 in., 13/16 in. Hex Box
	Frost Auger Hex Stub Connector	213807	13/16 in. Hex Pin x X 13/16 in. Hex Pin
	Frost Auger Adapter	213806	GH40 Series, 13/16 in. Hex
	Anvil Retainer Cap	213964	GH40 Series
	Frost Auger Big	213803	Two Prong




Frost Augers - GH60 Series 2.5 in.

Components	Part	MN	Notes
	2.5 in. Frost Auger	213804	48 in., 13/16 in. Hex Box
	Frost Auger Connecting Pin	213805	For 13/16 in. Hex
	Frost Auger Hex Stub Connector	213807	13/16 in. Hex Pin x X 13/16 in. Hex Pin
	Frost Auger Hex Drive Pin	202553	GH60 Series, 0.5 in. OD
	Frost Auger Hex Drive	202552	GH60 Series, 1 in. Hex x 13/16 in. Hex
	Frost Auger Hex Drive Adapter	202551	GH60 Series
	Retainer Cap	200954	GH60 Series
	Frost Auger Big	213803	Two Prong
	O-Ring	103210	Quantity: 10

Continuous Flight Augers - GH60 Series 4.5 in.

Components	Part	MN	Notes
	Solid Auger	600200	4.5 in. OD x 60 in. x 1.625 in. Hex
	HSA Auger Connecting Pin	600193	1-5/8 in. Hex, 77/66 Series Machines
	Drive Pin	600616	.625 Diameter, 2.875 Tube
	Solid Auger Cutter Head	600201	4.5 in. OD x 1.625 in. Hex Bullet
	Cutter Head 5T	113916	4.5 in. OD, 1.625 in. Hex

Accessories

Components	Part	MN	Notes
	1.625 in. Female Hex U-Joint Assembly	208313	
	2 in. Female Hex U-Joint Assembly	211531	
	Pull Bolt Auger	207866	