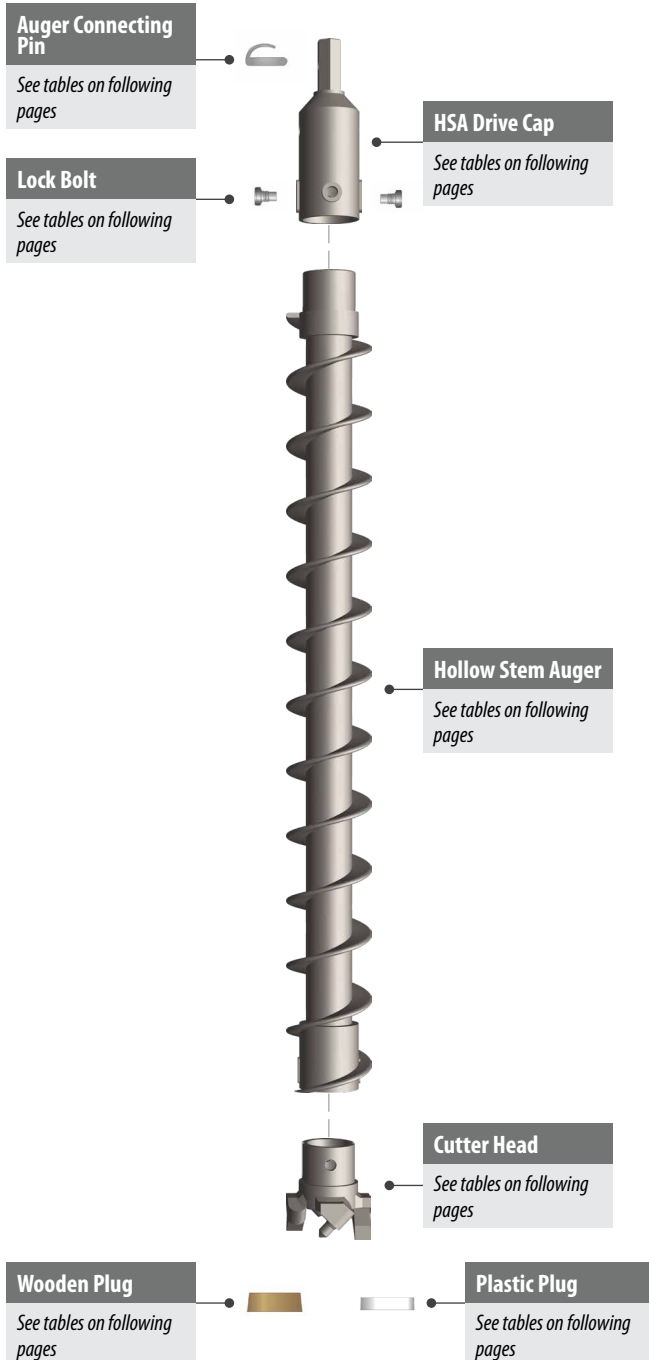


# Hollow Stem Augers & Frost Augers

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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
	<b>HSA Replacement Spade Cutter</b>	500239	
	<b>HSA Replacement Bullet Cutter</b>	500240	
	<b>HSA Replacement Lock Bolt</b>	600157	
	<b>Socket 1/2 in. Drive 1-1/8 in. 12PT</b>	600159	
	<b>Breakover Bar</b>	600158	.5 in. Drive




### AWJ Drill Rods (for HSA Inner String)

Components	Part	MN	Notes
	<b>AWJ Drill Rod</b>	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
	2.25 in. Hollow Stem Auger	600445	24 in.
		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 <b>NEW</b>	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 <b>NEW</b>	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 <b>NEW</b>	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 <b>NEW</b>	240731	For use with 31 series machines
	3.25 in. HSA Hoisting Cap <b>NEW</b>	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 <b>NEW</b>	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 <b>NEW</b> 2-3/8 REG x AWJ	238316	7.00 in. S-S
	4.25 in. HSA Pilot Bit <b>NEW</b>	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 <b>NEW</b>	240730	For use with 31 series machines
	4.25 in. HSA Flange Puller	208829	3230DT & 8040DT
	4.25 in. HSA Hoisting Cap <b>NEW</b>	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 <b>NEW</b>	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 <b>NEW</b>	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
	<b>Frost Auger Connecting Pin</b>	213805	For 13/16 in. Hex
	<b>2.5 in. Frost Auger</b>	213804	48 in., 13/16 in. Hex Box
	<b>Frost Auger Hex Stub Connector</b>	213807	13/16 in. Hex Pin x X 13/16 in. Hex Pin
	<b>Frost Auger Adapter</b>	213806	GH40 Series, 13/16 in. Hex
	<b>Anvil Retainer Cap</b>	213964	GH40 Series
	<b>Frost Auger Big</b>	213803	Two Prong




### Frost Augers - GH60 Series 2.5 in.

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

### Continuous Flight Augers - GH60 Series 4.5 in.

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

### Accessories

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