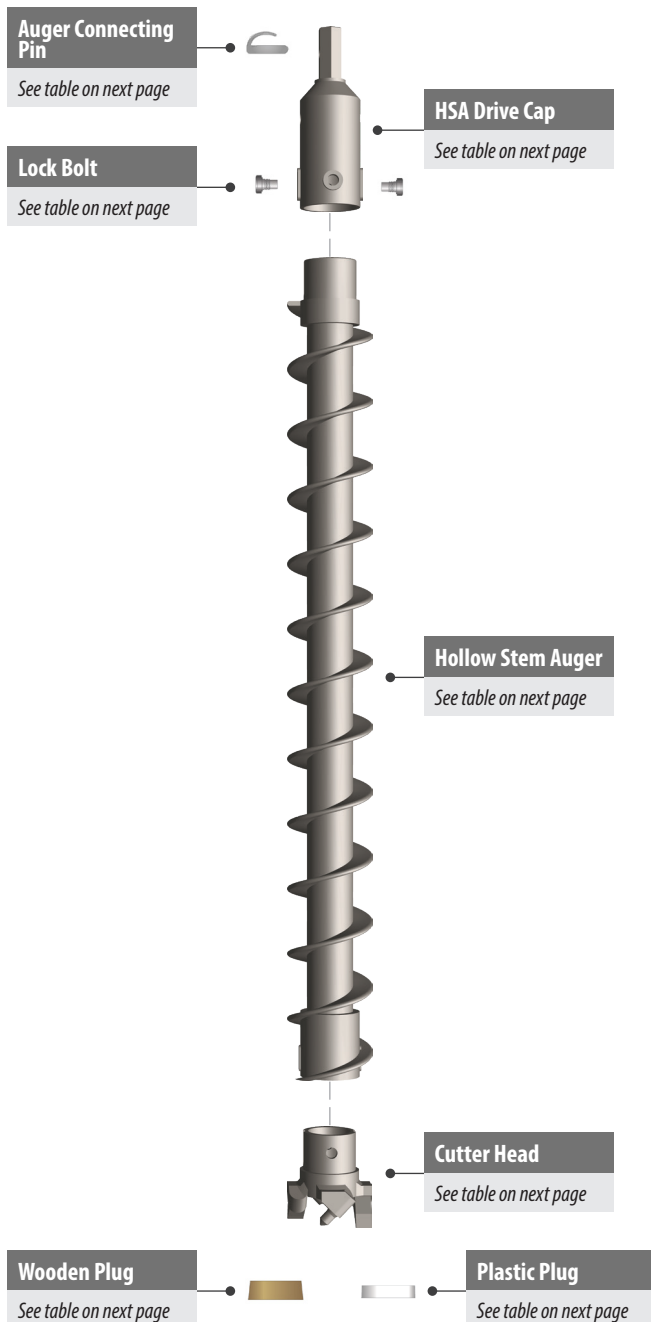


Hollow Stem Augers & Frost Augers

geoprobe.com/augers



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 uncontaminated 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 f8-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
	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
	Cutter Head 5T	113916	4.5 in. OD, 1.625 in. Hex (Optional)

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	237667	6.00 in. S-S
	2.25 in. HSA Pilot Bit	113513	Apex
	AWJ Drill Rod	See AWJ Drill Rod table	

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
	3.25 in. HSA Hoisting Cap	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	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	

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 Hoisting Cap	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

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	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, Space / 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	238316	7.10 in. S-S
	4.25 in. HSA Pilot Bit	600672	Bullet 3.375 Reg Pin
	4.25 in. HSA Pilot Bit	600156	Apex 4.125 in. OD
	AWJ Drill Rod	See AWJ Drill Rod table	

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 Flange Puller	208829	
	4.25 in. HSA Hoisting Cap	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	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	Space / 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	
	6.25 in. HSA Hoisting Cap	235916	
	6.25 in. Auger Fork	203982	
	HSA Replacement Lock Bolt	600157	

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

Accessories

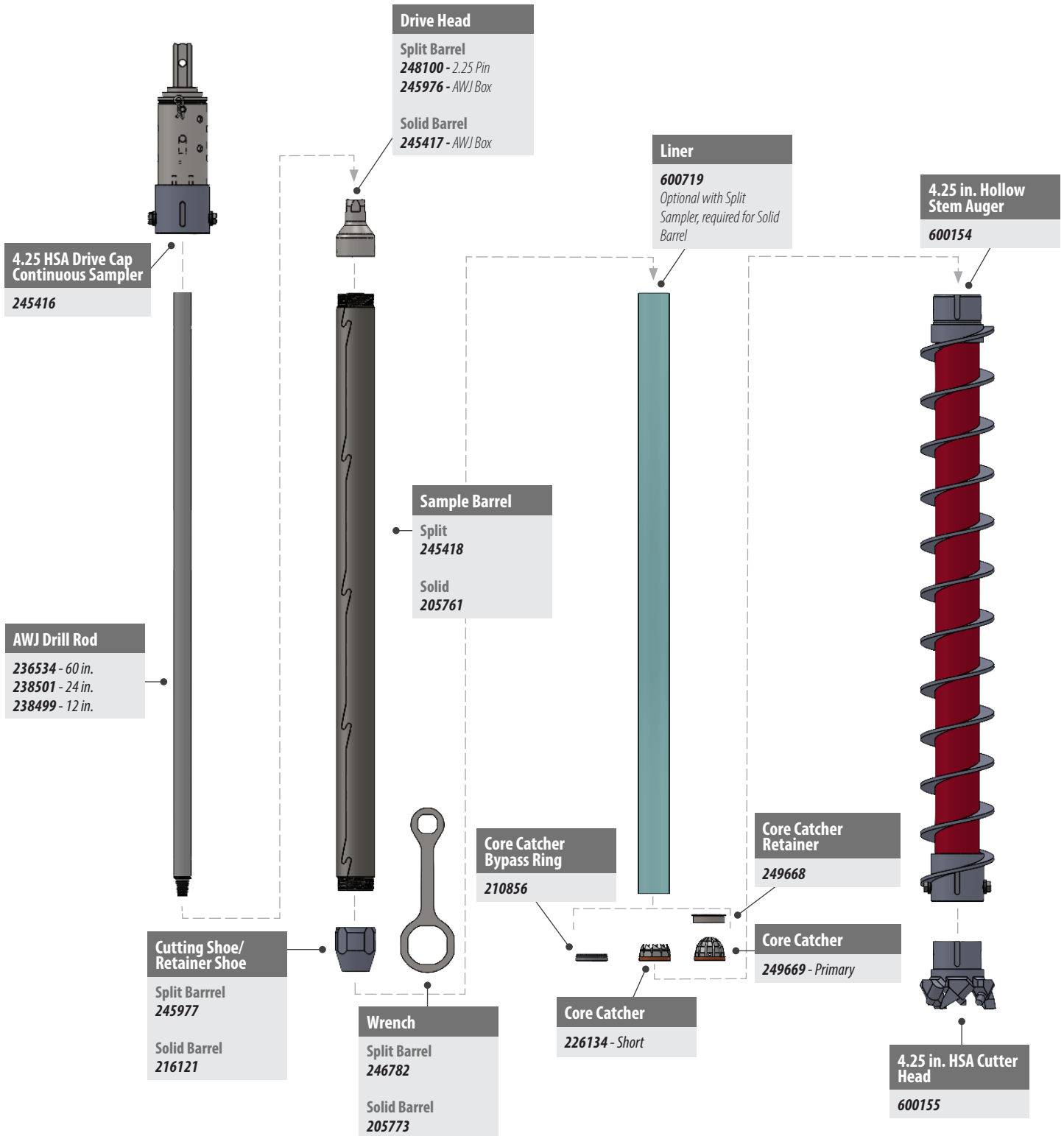
Components	Part	MN	Notes
	1.625 in. Female Hex U-Joint Assembly	208313	
	2 in. Female Hex U-Joint Assembly	211531	
	Pull Bolt Auger	207866	

4.25 HSA Continuous Sampler

<https://geoprobe.com/tooling/425-hsa-continuous-sampler>



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4.25 HSA Continuous Sampler

<https://geoprobe.com/tooling/425-hsa-continuous-sampler>

Pins & Drive Caps

Components	Part	MN	Notes
	Drive Pin	600616	.625 Diameter, 2.875 Tube
	4.25 in. HSA Drive Cap Continuous Sampler	245416	1-5/8 Hex Drive
	Continuous Sampler AWJ Pin Asm	245832	
	Pin Bent Pull Hitch .625 x 5 w/ Cotter	123386	
	Continuous Sampler Drive Tube	245654	
	Continuous Sampler Tube Cap	245618	
	SHCS 3/8-24NF X 1.0	111702	

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, Space / Bullet

Accessories

Components	Part	MN	Notes
	4.25 in. Auger Puller	202187	Legacy GH60, 6712DT, 7822DT, 6011DT
	4.25 in. HSA Flange Puller	208829	For use with 3230DT machines
	4.25 in. HSA Hoisting Cap	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
	4.25 in. HSA Auger Puller	240730	31 Series Machines
	Split Barrel Wrench	246782	Use with 245418
	Solid Barrel Wrench	205773	Use with 205761

Continuous Sampler String

Components	Part	MN	Notes
	Drive Head Split Barrel 2.25 PIN	248100	Use with 245418
	Drive Head Split Barrel AWJ BOX	245976	Use with 245418
	Drive Head Solid Barrel AWJ BOX	245417	Use with 205761
	Split Barrel	245418	60"
	Solid Barrel	205761	60"
	Liner 3 in.	600719	60 in., PVC, 18 per box
	Split Barrel Cutting Shoe	245977	Use with 245418
	Solid Barrel Cutting Shoe	216121	Use with 205761
	Core Catcher	249669	Use with 600719 or 249668
	Core Catcher Short	226134	Use with 600719 or 249668
	Core Catcher Bypass Ring	210856	Use with 600719
	Core Catcher Retainer	249668	Use with 245418, does not work with 600719
	Liner Cutter	206987	
	Vinyl End Caps (18 pair)	207439	
	AWJ Drill Rod	See AWJ Drill Rod table	