

Whether you're sampling soils in an environmental investigation, collecting geotechnical data for construction, penetrating rock for bedrock wells, or casing a hole for a geothermal project, you'll find the sonic tooling system required to successfully achieve the desired results. Our sonic soil sampling tooling offers you the widest array of bits and sampling systems available; from conventional telescoping soil coring to dual tubing and face flushing bits for rock coring.

With sonic rigs and tooling designed and manufactured as a holistic system, you'll benefit from a comprehensive, compatible offering that is:

- Engineered and tested for maximum strength and durability during sonic drilling by folks who manufacture sonic drill rigs
- Manufactured with solid steel using an exclusive heat treatment process and a proprietary thread design for ease of make-up and break-out.
- Supported by sonic drilling experts experienced with tooling in a variety of geologic settings who can advise you in tooling selection and sonic drilling application technique.

Geoprobe® sonic casing is available on the shelf in a variety of lengths, providing you many options and configurations for reliable and consistent sonic project results, such as:

- Conventional Sonic Sampling (4x6, 6x8, 8x10)
- Dual Tube Sonic Sampling (SDT45 & SDT60)
- Single Casing System: Cased Hole w/o Sampling



**INDUSTRY
FIRST**

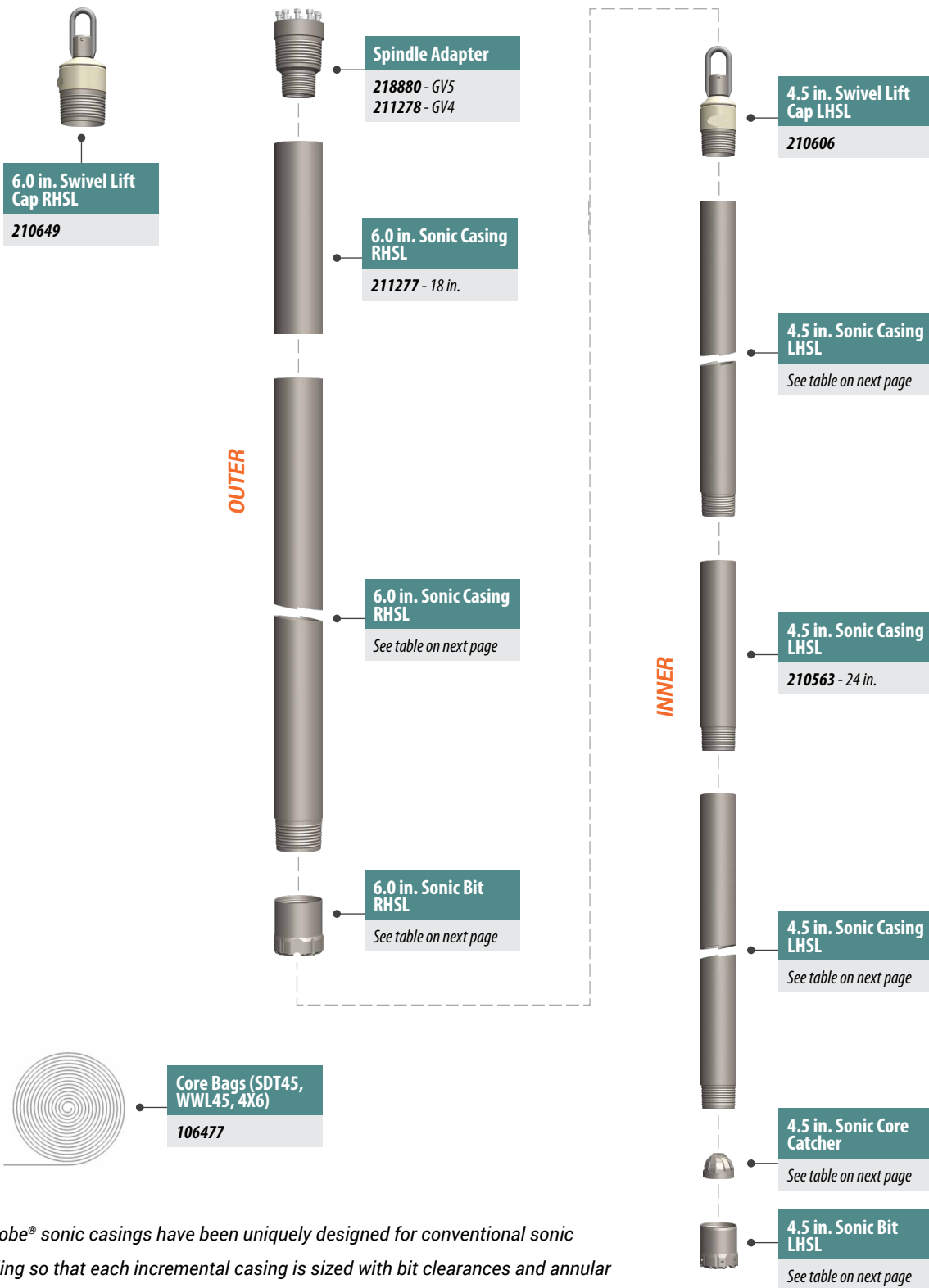


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Geoprobe® Sonic
Weighted
Wireline




*Collecting a soil sample
with the Geoprobe® Sonic
Weighted Wireline System*







Geoprobe® sonic casings have been uniquely designed for conventional sonic sampling so that each incremental casing is sized with bit clearances and annular space in mind. The 4x6 method is a well-established configuration that uses a 4-in. nominal core barrel over cased with a 6-in. casing.

OUTER

6.0 in. Sonic Casing RHSL



Components	MN	Length	Weight	OD	ID
	210979	120 in.	225 lbs.	6.0 in.	5.25 in.
	210648	60 in.	112.5 lbs.		
	211174	24 in.	45 lbs.		
	211277	18 in.	33.75 lbs.		
	212350	12 in.	22.5 lbs.		
	212351	6 in.	11.25 lbs.		

Bits


Components	Part	MN	Notes
	6.0 in. Sonic Bit RHSL, Dome	210749	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Para	213325	6.45 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Dome Hardfaced NEW	237966	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Para Hardfaced NEW	237967	6.45 in. OD 5.02 in. ID

COMBINED COMPONENTS








Spindle Adapters

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	

Subs / Adapters


Components	Part	MN	Notes
	4.5 LHSL Box x 4.5 LHSL Pin	212679	4.00 in. S-S Sub Saver

Accessories




Components	Part	MN	Notes
	6.0 in. Threadless Pin Sand Slip	216182	
	6.0 in. Swivel Lift Cap RHSL	210649	Pin
	4.5 in. Swivel Lift Cap LHSL	210606	Pin
	Rod Wiper Donut	600624	6.0 in.
	Rod Wiper Donut	600448	4.5 in.
	Core Bags (SDT45, WWL45, 4X6)	106477	8 in. flat x 725 ft.
	Thread Compound	600729	1 Gallon

INNER













4.5 in. Sonic Casing LHSL

Components	MN	Length	Weight	OD	ID
	210172	120 in.	165 lbs.	4.5 in.	3.75 in.
	210495	60 in.	82.5 lbs.		
	210563	24 in.	33 lbs.		
	210602	12 in.	16.5 lbs.		

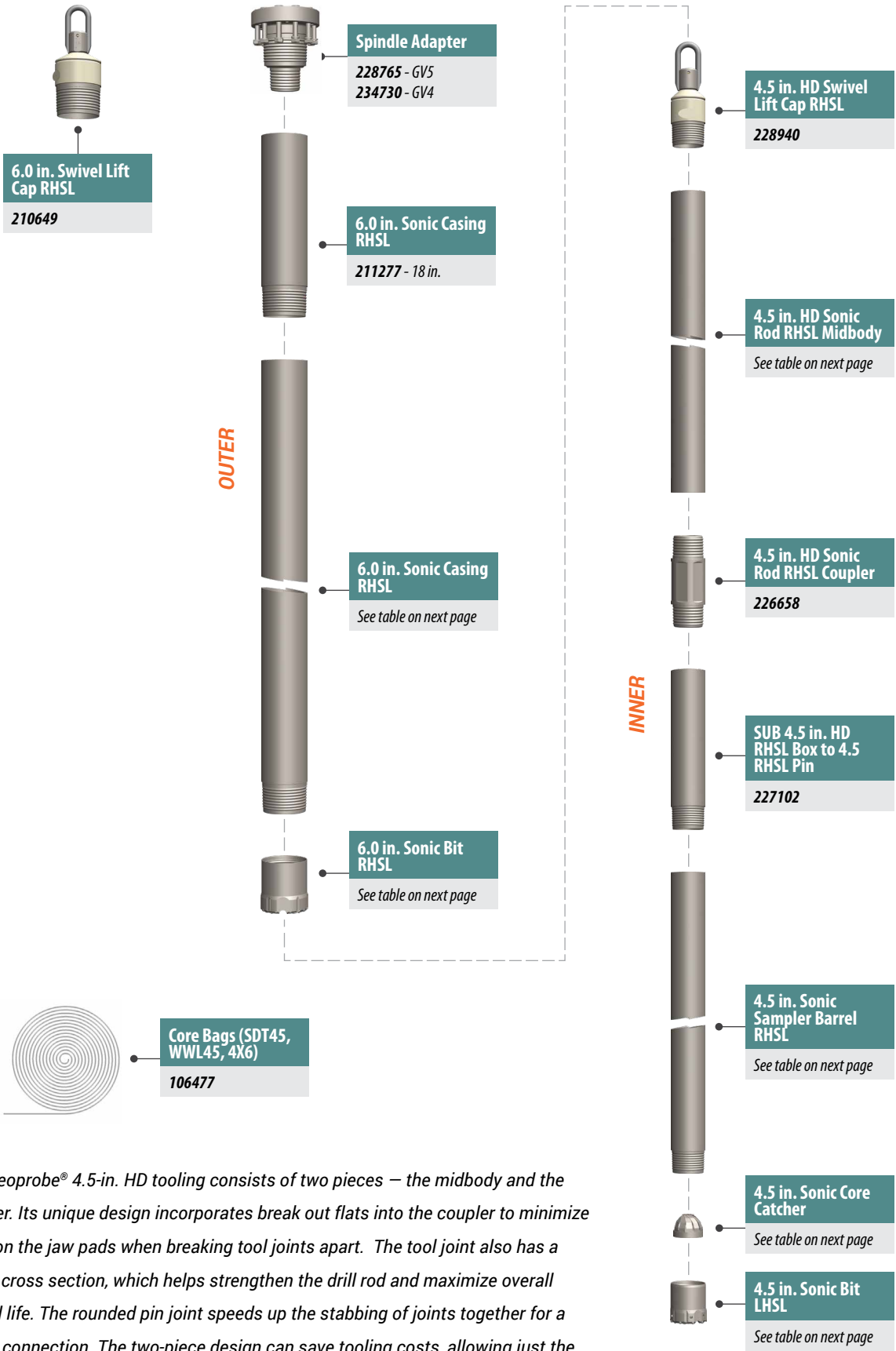
Core Catchers

Components	Part	MN	Notes
	4.5 in. Sonic Core Catcher	209675	LH
	4.5 in. Sonic Core Catcher	231171	LH, Short
	4.5 in. Sonic Core Catcher	213151	LH, Thin

Bits

Components	Part	MN	Notes
	4.5 in. Sonic Bit LHSL, Dome	210569	4.88 in. OD 3.53 in. ID
	4.5 in. Sonic Bit LHSL, Para	215168	4.95 in. OD 3.52 in. ID
	4.5 in. Sonic Bit LHSL, Dome Hardfaced NEW	237956	4.88 in. OD 3.53 in. ID
	4.5 in. Sonic Bit LHSL, Para Hardfaced NEW	237957	4.95 in. OD 3.52 in. ID
	4.5 in. Sonic Bit LHSL Undercut, Para	212514	4.90 in. OD 3.32 in. ID
	4.5 in. Sonic Bit LHSL Undercut, Para Hardfaced NEW	237961	4.90 in. OD 3.32 in. ID
	4.5 in. Sonic Bit LHSL Undercut ID Carbide, Para	213481	4.90 in. OD 3.15 in. ID
	4.5 in. Sonic Bit LHSL, Para	221895	4.75 in. OD 3.75 in. ID
	4.5 in. Sonic Bit LHSL CC	226269	4.50 in. OD 3.75 in. ID
	4.5 in. Sonic Bit LHSL Flapper Single	226328	4.75 in. OD 3.75 in. ID
	4.5 in. Sonic Bit LHSL Flapper Double	224628	4.75 in. OD 3.75 in. ID
	4.5 in. Sonic Bit LHSL Full Face, Para	215779	4.88 in. OD


S-S (Shoulder to Shoulder)
CC (Carbide Composite)







The Geoprobe® 4.5-in. HD tooling consists of two pieces – the midbody and the coupler. Its unique design incorporates break out flats into the coupler to minimize wear on the jaw pads when breaking tool joints apart. The tool joint also has a larger cross section, which helps strengthen the drill rod and maximize overall thread life. The rounded pin joint speeds up the stabbing of joints together for a faster connection. The two-piece design can save tooling costs, allowing just the coupler to be replaced if the threads are damaged.

OUTER

6.0 in. Sonic Casing RHSL

Components	MN	Length	Weight	OD	ID
	210799	120 in.	225 lbs.	6.0 in.	5.25 in.
	210648	60 in.	112.5 lbs.		
	211174	24 in.	45 lbs.		
	211277	18 in.	33.75 lbs.		
	212350	12 in.	22.5 lbs.		
	212351	6 in.	11.25 lbs.		

Bits




Components	Part	MN	Notes
	6.0 in. Sonic Bit RHSL, Dome	210749	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Para	213325	6.45 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Dome Hardfaced NEW	237966	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Para Hardfaced NEW	237967	6.45 in. OD 5.02 in. ID

COMBINED COMPONENTS








Spindle Adapters

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	228765	HD
	GV4 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL NEW	234730	HD

Subs / Adapters


Components	Part	MN	Notes
	4.5 HD Box x 6.0 RHSL Pin	226740	4.00 in. S-S
	4.5 HD Pin x 6.0 RHSL Box	226741	8.50 in. S-S
	4.5 HD Box x 4.5 HD Pin	229271	4.00 in. S-S Sub Saver

Accessories



Components	Part	MN	Notes
	6.0 in. Threadless Pin Sand Slip	216182	
	6.0 in. Swivel Lift Cap RHSL	210649	Pin
	4.5 in. HD Swivel Lift Cap RHSL	228940	Pin
	Rod Wiper Donut	600624	6.0 in.
	Rod Wiper Donut	600448	4.5 in.
	Core Bags (SDT45, WWL45, 4X6)	106477	8 in. flat x 725 ft.
	Thread Compound	600729	1 Gallon

INNER

4.5 in. HD Sonic Rod RHSL Midbody

Components	MN	Length	Weight	OD	ID
	226643	120 in.	189 lbs.	4.5 in.	3.75 in.
	226634	60 in.	94.5 lbs.		
	226641	24 in.	37.8 lbs.		



Coupler / Subs

Components	Part	MN	Notes
	4.5 in. HD Sonic Rod RHSL Coupler	226658	4.5 in. OD 3.0 in ID
	SUB 4.5 in. HD RHSL Box to 4.5 RHSL Pin	227102	









Sampler Barrel

Components	Part	MN	Notes
	4.5 in. Sonic Sampler Barrel RHSL	227183	60 in.
		223849	12 in.
		229565	6 in.

Core Catchers

Components	Part	MN	Notes
	4.5 in. Sonic Core Catcher	227260	RH
	4.5 in. Sonic Core Catcher	231159	RH, Short

Bits

Components	Part	MN	Notes
	4.5 in. Sonic Bit RHSL, Dome	229575	4.88 in. OD 3.53 in. ID
	4.5 in. Sonic Bit RHSL, Para	229941	4.95 in. OD 3.52 in. ID
	4.5 in. Sonic Bit RHSL, Dome Hardfaced NEW	237958	4.88 in. OD 3.53 in. ID
	4.5 in. Sonic Bit RHSL, Para Hardfaced NEW	237959	4.95 in. OD 3.52 in. ID
	4.5 in. Sonic Bit RHSL Undercut, Para	227193	4.90 in. OD 3.32 in. ID
	4.5 in. Sonic Bit RHSL Undercut, Para Hardfaced NEW	237962	4.90 in. OD 3.32 in. ID
	4.5 in. Sonic Bit RHSL Undercut ID Carbide, Para	229606	4.90 in. OD 3.15 in. ID
	4.5 in. Sonic Bit RHSL Full Face, Para	229954	4.88 in. OD

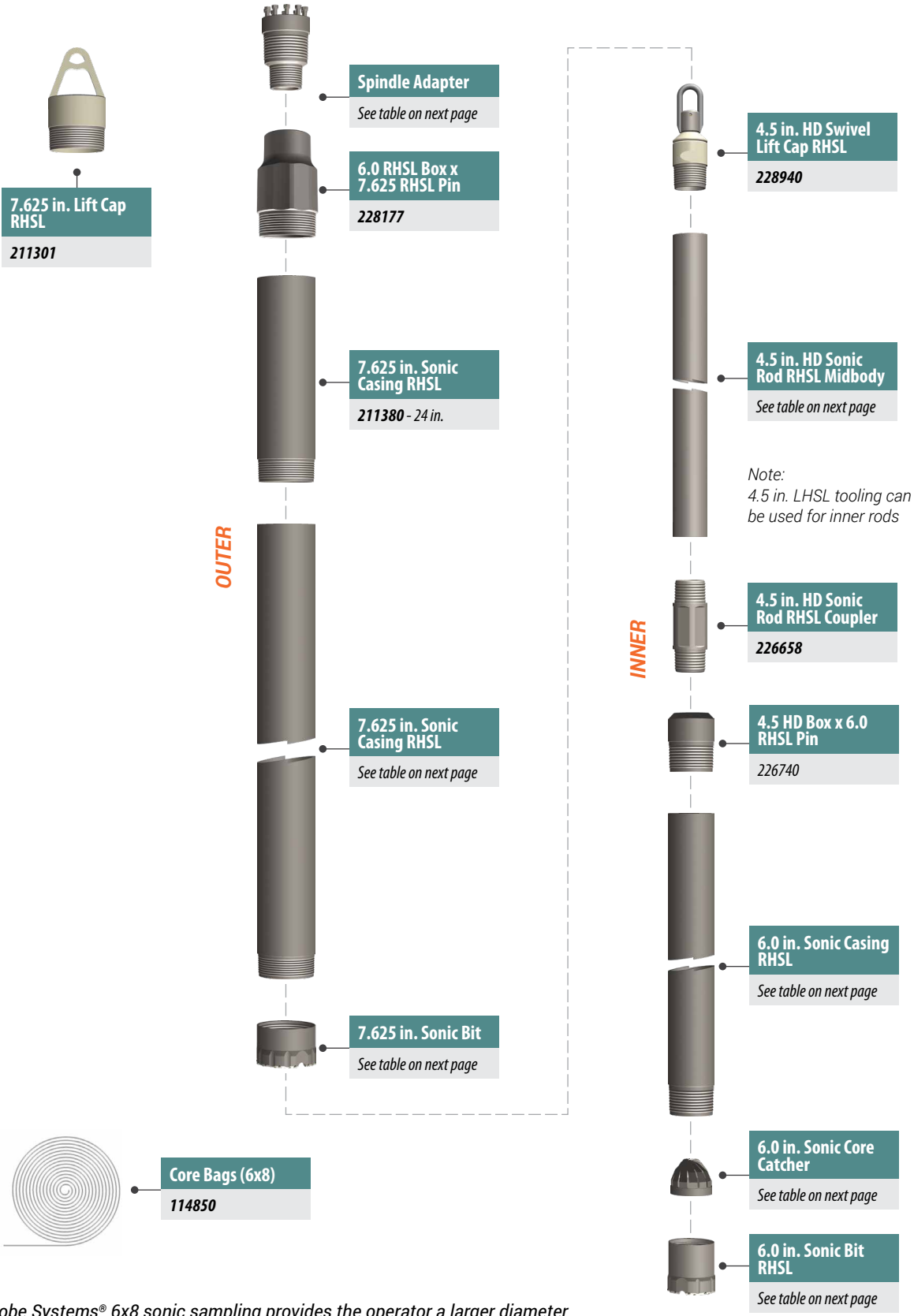
S-S (Shoulder to Shoulder)

4.5 in. HD Sonic Rodsgeoprobe.com/4.5-sonic-hd**4.5 in. HD Sonic Casing**

- Quicker make-up of the casing




Go "Behind the Design" to find out the engineering perspective on our HD sonic tooling.




Geoprobe Systems® 6x8 sonic sampling provides the operator a larger diameter sample if desired, but this casing combination is typically used to provide a larger hole, such as to set a monitoring well.


OUTER**7.625 in. Sonic Casing RHSL**

Components	MN	Length	Weight	OD	ID
	211216	120 in.	337 lbs.	7.625 in.	6.765 in.
	211055	60 in.	168.5 lbs.		
	211380	24 in.	67.4 lbs.		


Bits

Components	Part	MN	Notes
	7.625 in. Sonic Bit RHSL, Dome	211056	8.07 in. OD 6.73 in. ID
	7.625 in. Sonic Bit RHSL CC	226012	7.63 in. OD 6.88 in. ID



COMBINED COMPONENTS**Spindle Adapters**

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV5 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	228765	HD
	GV5 ADPT 7.625 RHSL	229302	Bolt On
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	
	GV4 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	234730	HD
	GV4 ADPT 7.625 RHSL	211060	Bolt On, Requires: 211154

Subs / Adapters


Components	Part	MN	Notes
	6.0 RHSL Box x 7.625 RHSL Pin	228177	10.50 in. S-S, Long
	6.0 RHSL Box x 7.625 RHSL Pin	212218	4.00 in. S-S
	4.5 HD Box x 6.0 RHSL Pin	226740	4.00 in. S-S
	4.5 HD Pin x 6.0 RHSL Box	226741	8.50 in. S-S
	4.5 LHSL Box x 6.0 LHSL Pin	211647	11.00 in. S-S


Accessories

Components	Part	MN	Notes
	7.625 in. Lift Cap RHSL	211301	Pin
	6.0 in. Swivel Lift Cap RHSL	210649	Pin
	4.5 in. HD Swivel Lift Cap RHSL	228940	Pin
	4.5 in. Swivel Lift Cap LHSL	210606	Pin
		106478	7.625 in.
		600624	6.0 in.
		600448	4.5 in.
	Core Bags (6x8)	114850	10 in. flat x 725 ft.
	Thread Compound	600729	1 Gallon


S-S (Shoulder to Shoulder)

INNER**4.5 in. HD**


Components	MN	Length	Weight	OD	ID
	226643	120 in.	189 lbs.	4.5 in.	3.75 in.
	226634	60 in.	94.5 lbs.		
	226641	24 in.	37.8 lbs.		

Components	Part	MN	Notes
	4.5 in. HD Sonic Rod RHSL Coupler	226658	4.5 in. OD 3.0 in ID


4.5 in. Sonic Casing LHSL

Components	MN	Length	Weight	OD	ID
	210172	120 in.	165 lbs.	4.5 in.	3.75 in.
	210495	60 in.	82.5 lbs.		
	210563	24 in.	33 lbs.		
	210602	12 in.	16.5 lbs.		


6.0 in. Sonic Casing RHSL

Components	MN	Length	Weight	OD	ID
	210979	120 in.	225 lbs.	6.0 in.	5.25 in.
	210648	60 in.	112.5 lbs.		
	211174	24 in.	45 lbs.		
	211277	18 in.	33.75 lbs.		
	212350	12 in.	22.5 lbs.		
	212351	6 in.	11.25 lbs.		







Sampler Barrel LHSL

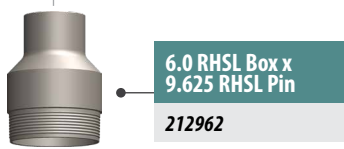
Components	Part	MN	Notes
	6.0 in. Sonic Sampler Barrel LHSL	211383	60 in.
	6.0 in. Sonic Sampler Barrel LHSL	222663	12 in.

Core Catchers

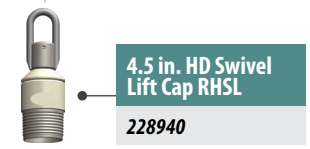
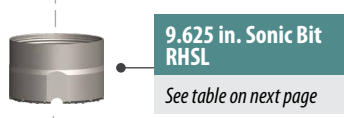
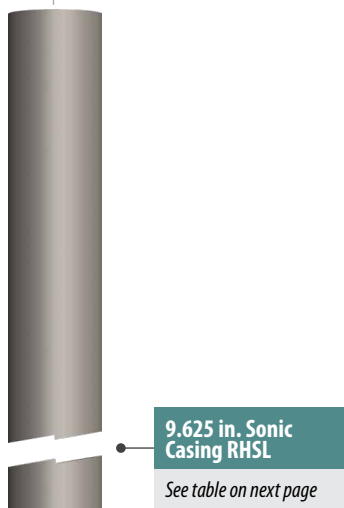
Components	Part	MN	Notes
	6.0 in. Sonic Core Catcher	211107	RH
	6.0 in. Sonic Core Catcher	231193	RH, Short
	6.0 in. Sonic Core Catcher	211746	LH
	6.0 in. Sonic Core Catcher	231202	LH, Short

Bits

Components	Part	MN	Notes
	6.0 in. Sonic Bit RHSL, Dome	210749	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Para	213325	6.45 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Dome Hardfaced	237966	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Para Hardfaced	237967	6.45 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL CC	226017	6.00 in. OD 5.25 in. ID
	6.0 in. Sonic Bit RHSL Full Face, Para	222884	6.35 in. OD
	6.0 in. Sonic Bit LHSL, Dome	211409	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit LHSL ID Carbide, Dome	216273	6.38 in. OD 4.71 in. ID

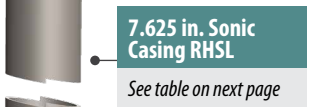
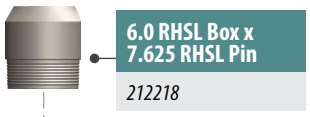
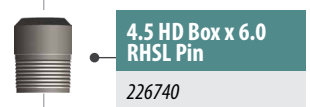
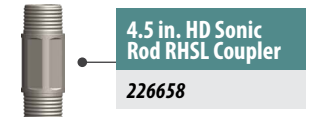


OUTER




Note:
4.5 in. LHSL tooling can be used for inner rods

INNER




The 8x10 sonic sampling system is the largest conventional sonic sampling system from Geoprobe®. The Geoprobe® sonic casing family has been uniquely designed so that each incremental casing size works efficiently with the next. In this case, you will have the size needed to remove even more material from the subsurface.





OUTER**9.625 in. Sonic Casing RHSL**

Components	MN	Length	Weight	OD	ID
	212297	120 in.	435 lbs.	9.625 in.	8.755 in.
	215137	60 in.	217.5 lbs.		
	212296	24 in.	87 lbs.		




Bits

Components	Part	MN	Notes
	9.625 in. Sonic Bit RHSL, Dome	212298	9.90 in. OD 8.80 in. ID
	9.625 in. Sonic Bit RHSL CC	226010	9.63 in. OD 8.84 in. ID

COMBINED COMPONENTS**Subs / Adapters**


Components	Part	MN	Notes
	7.625 RHSL Box x 9.625 RHSL Pin	212620	10.00 in. S-S
	6.0 RHSL Box x 9.625 RHSL Pin	212962	10.00 in. S-S
	6.0 RHSL Box x 7.625 RHSL Pin	228177	10.50 in. S-S, Long
	6.0 RHSL Box x 7.625 RHSL Pin	212218	4.00 in. S-S
	4.5 HD Box x 6.0 RHSL Pin	226740	4.00 in. S-S
	4.5 HD Pin x 6.0 RHSL Box	226741	8.50 in. S-S
	4.5 LHSL Box x 7.625 LHSL Pin	212893	5.40 in. S-S


Accessories

Components	Part	MN	Notes
	9.625 in. Lift Cap RHSL	212401	Pin
	7.625 in. Lift Cap RHSL	211301	Pin
	4.5 in. HD Swivel Lift Cap RHSL	228940	Pin
	4.5 in. Swivel Lift Cap LHSL	210606	Pin
		106768	9.625 in.
		106478	7.625 in.
		600624	6.0 in.
		600448	4.5 in.
	Thread Compound	600729	1 Gallon


S-S (Shoulder to Shoulder)

INNER**4.5 in. HD**


Components	MN	Length	Weight	OD	ID
	226643	120 in.	189 lbs.	4.5 in.	3.75 in.
	226634	60 in.	94.5 lbs.		
	226641	24 in.	37.8 lbs.		

Components	Part	MN	Notes
	4.5 in. HD Sonic Rod RHSL Coupler	226658	4.5 in. OD 3.0 in ID

4.5 in. Sonic Casing LHSL

Components	MN	Length	Weight	OD	ID
	210172	120 in.	165 lbs.	4.5 in.	3.75 in.
	210495	60 in.	82.5 lbs.		
	210563	24 in.	33 lbs.		
	210602	12 in.	16.5 lbs.		



7.625 in. Sonic Casing RHSL

Components	MN	Length	Weight	OD	ID
	211216	120 in.	337 lbs.	7.625 in.	6.765 in.
	211055	60 in.	168.5 lbs.		
	211380	24 in.	67.4 lbs.		





Sampler Barrel LHSL

Components	Part	MN	Notes
	7.625 in. Sonic Sampler Barrel LHSL	215250	60 in.

Bits

Components	Part	MN	Notes
	7.625 in. Sonic Bit RHSL, Dome	211056	8.07 in. OD 6.73 in. ID
	7.625 in. Sonic Bit RHSL CC	226012	7.63 in. OD 6.88 in. ID
	7.625 in. Sonic Bit LHSL, Dome	215252	8.07 in. OD 6.73 in. ID

COMBINED COMPONENTS**Spindle Adapters**

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV5 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	228765	HD
	GV5 ADPT 7.625 RHSL	229302	Bolt On
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	
	GV4 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	234730	HD
	GV4 ADPT 7.625 RHSL	211060	Bolt On, Requires: 211154

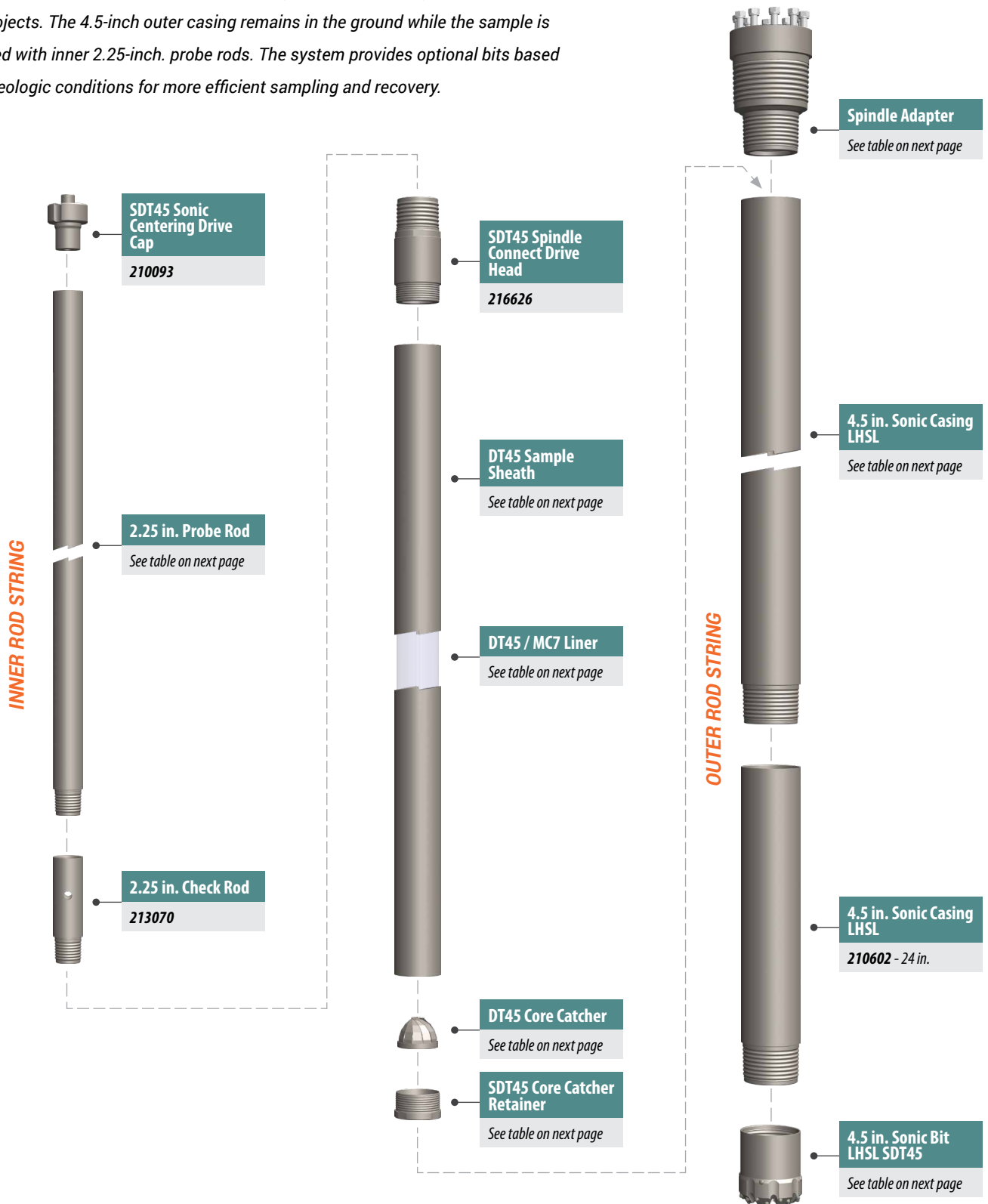
SDT45 5-ft. Interval Sonic Sampling

geoprobe.com/sdt45-5



785-825-1842



The versatile SDT45 system can be used for environmental sampling, varying types of well installations, cased hole applications, geotechnical borings, and exploration projects. The 4.5-inch outer casing remains in the ground while the sample is retrieved with inner 2.25-inch probe rods. The system provides optional bits based upon geologic conditions for more efficient sampling and recovery.





INNER ROD STRING**Centering Drive Cap**

Components	Part	MN	Notes
	SDT45 Sonic Centering Drive Cap	210093	


Probe Rods

2.25 in. Probe Rod	MN	Length	Weight	OD	ID
	204767	60 in.	37.5 lbs.	2.25 in.	1.5 in.
	204766	48 in.	30 lbs.		
	206588	24 in.	15 lbs.		
	204777	12 in.	7.5 lbs.		
	213070	6 in.	2.25 in. Check Rod (Nylon Ball: 101120, Spring Pin: 106971)		


Spindle Connect Drive Heads

Components	Part	MN	Notes
	SDT45 Spindle Connect Drive Head	216626	
	WWL45 Spindle Connect Drive Head	220196	Endless Thread









Sample Sheath

Components	Part	MN	Notes
	DT45 Sample Sheath	205762	72 in.
		231581	72 in., Endless Thread
		205761	60 in.
		205760	48 in.



Liners

Components	Part	MN	Notes
	DT45 / MC7 Liner	600720	72 in., PVC, Built to Order, Quantity: 18
	DT45 / MC7 Liner	600719	60 in., PVC, Quantity: 18
	DT45 / MC7 Liner	600721	48 in., PVC, Quantity: 18


Core Catchers / Retainers

Components	Part	MN	Notes
	DT45 Liner Retainer	212520	
	SDT45 Sonic Core Catcher	216554	
	DT45 Core Catcher	226134	Short
	SDT45 Core Catcher Retainer	218304	Asm
	SDT45 Core Catcher Retainer	217894	Asm, Endless Thread
	SDT45 Core Catcher Retainer	226147	Asm, Endless Thread, Short
	SDT45 Core Catcher Retaining Ring	217634	
	DT45 Retainer / MC7 Cutting Shoe Wrench	205773	



OUTER ROD STRING**Spindle Adapters**

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	


4.5 in. Sonic Casing LHSL

Components	MN	Length	Weight	OD	ID
	210495	60 in.	82.5 lbs.	4.5 in.	3.75 in.
	210563	24 in.	33 lbs.		
	210602	12 in.	16.5 lbs.		

Bits

Components	Part	MN	Notes
	4.5 in. Sonic Bit LHSL SDT45, Dome	226395	4.93 in. OD 2.65 in. ID
	4.5 in. Sonic Bit LHSL SDT45, Para	210566	4.93 in. OD 2.65 in. ID

Subs / Adapters

Components	Part	MN	Notes
	4.5 LHSL Box x 4.5 LHSL Pin	212679	4.00 in. S-S Sub Saver

COMBINED COMPONENTS**Replacement Parts / Accessories**

Components	Part	MN	Notes
	1.25 in. Nylon Ball	101120	
	SDT45 Center Rod Guide	216614	
	4.5 in. Swivel Lift Cap LHSL	210606	Pin
	2.25 in. Spring Assisted Swivel Lift Cap	217609	Pin
	Rod Wiper Donut	600448	4.5 in.
	DT45/MC7 Liner Cutter	206987	
	Liner Cutter Replacement Blades	600985	Quantity: 5
	Core Bags (SDT45, WWL45, 4X6)	106477	8 in. flat x 725 ft.
	Thread Compound	600729	1 Gallon

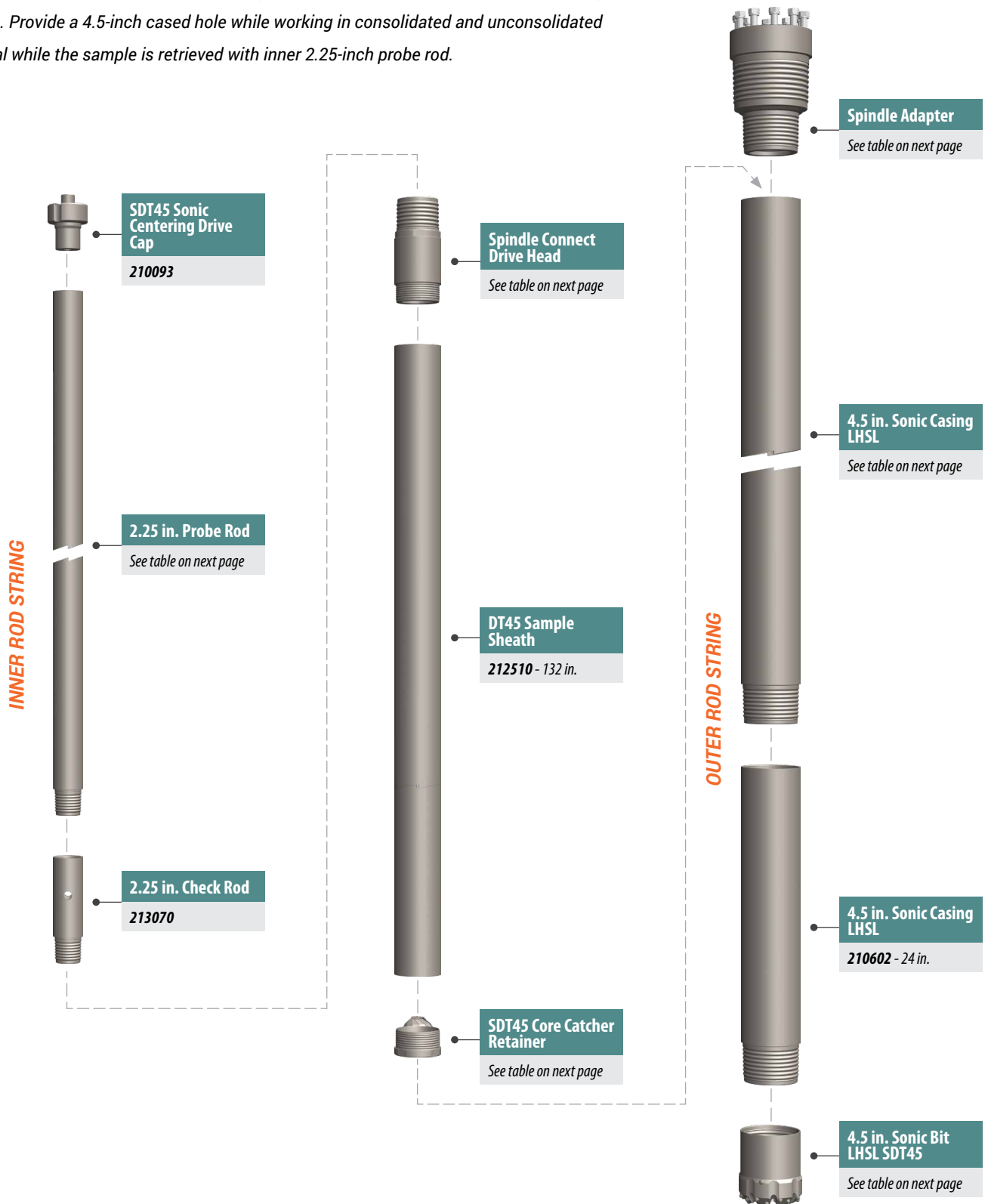
SDT45 10-ft. Interval Sonic Sampling

geoprobe.com/sdt45-10



785-825-1842



Save time and fatigue advancing an outer casing and inner soil sampler simultaneously using the unique and versatile Geoprobe Systems® Sonic Dual Tube 45 (SDT45) sampling system. Provide a 4.5-inch cased hole while working in consolidated and unconsolidated material while the sample is retrieved with inner 2.25-inch probe rod.





INNER ROD STRING*Centering Drive Cap*

Components	Part	MN	Notes
	SDT45 Sonic Centering Drive Cap	210093	

Probe Rods

2.25 in. Probe Rod	MN	Length	Weight	OD	ID
	204767	60 in.	37.5 lbs.	2.25 in.	1.5 in.
	204766	48 in.	30 lbs.		
	206588	24 in.	15 lbs.		
	204777	12 in.	7.5 lbs.		
	213070	6 in.	2.25 in. Check Rod		








Spindle Connect Drive Heads

Components	Part	MN	Notes
	SDT45 Spindle Connect Drive Head	216626	
	WWL45 Spindle Connect Drive Head	220196	Endless Thread



Sample Sheath

Components	Part	MN	Notes
	DT45 Sample Sheath	212510	132 in., Endless Thread


Core Catchers / Retainers

Components	Part	MN	Notes
	SDT45 Core Catcher Retainer	218304	Asm
	SDT45 Core Catcher Retainer	217894	Asm, Endless Thread
	SDT45 Core Catcher Retainer	226147	Asm, Endless Thread, Short
	SDT45 Sonic Core Catcher	216554	
	DT45 Core Catcher	226134	Short
	SDT45 Core Catcher Retaining Ring	217634	
	DT45 Retainer / MC7 Cutting Shoe Wrench	205773	



OUTER ROD STRING*Spindle Adapters*

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	


4.5 in. Sonic Casing LHSL

Components	MN	Length	Weight	OD	ID
	210172	120 in.	165 lbs.	4.5 in.	3.75 in.
	210495	60 in.	82.5 lbs.		
	210563	24 in.	33 lbs.		
	210602	12 in.	16.5 lbs.		








Bits

Components	Part	MN	Notes
	4.5 in. Sonic Bit LHSL SDT45, Dome	226395	4.93 in. OD 2.65 in. ID
	4.5 in. Sonic Bit LHSL SDT45, Para	210566	4.93 in. OD 2.65 in. ID

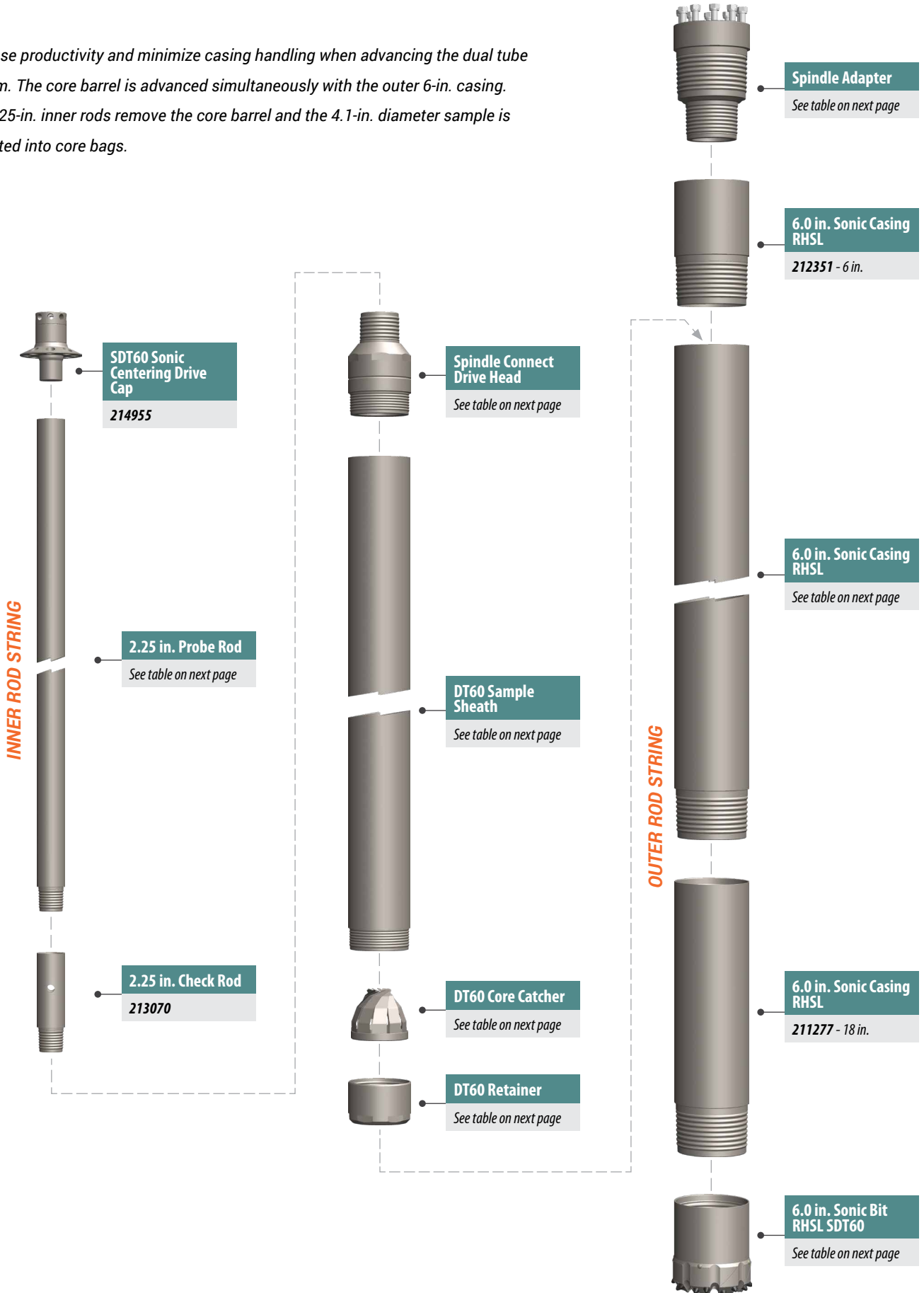
Subs / Adapters

Components	Part	MN	Notes
	4.5 LHSL Box x 4.5 LHSL Pin	212679	4.00 in. S-S Sub Saver

COMBINED COMPONENTS*Replacement Parts / Accessories*

Components	Part	MN	Notes
	1.25 in. Nylon Ball	101120	
	SDT45 Center Rod Guide	216614	
	4.5 in. Swivel Lift Cap LHSL	210606	Pin
	2.25 in. Spring Assisted Swivel Lift Cap	217609	Pin
	Rod Wiper Donut	600448	4.5 in.
	Core Bags (SDT45, WWL45, 4X6)	106477	8 in. flat x 725 ft.
	Thread Compound	600729	1 Gallon



Increase productivity and minimize casing handling when advancing the dual tube system. The core barrel is advanced simultaneously with the outer 6-in. casing. Our 2.25-in. inner rods remove the core barrel and the 4.1-in. diameter sample is collected into core bags.





INNER ROD STRING**Centering Drive Cap**

Components	Part	MN	Notes
	SDT60 Sonic Centering Drive Cap	214955	


Probe Rods

2.25 in. Probe Rod	MN	Length	Weight	OD	ID
	204767	60 in.	37.5 lbs.	2.25 in.	1.5 in.
	204766	48 in.	30 lbs.		
	206588	24 in.	15 lbs.		
	204777	12 in.	7.5 lbs.		
	213070	6 in.	2.25 in. Check Rod (Nylon Ball: 101120, Spring Pin: 106971)		






Spindle Connect Drive Heads

Components	Part	MN	Notes
	SDT60 Spindle Connect Drive Head	212887	
	WWL60 Spindle Connect Drive Head	223253	Endless Thread


Sample Sheath

Components	Part	MN	Notes
		215043	72 in.
		215042	60 in.
		211621	12 in.
		213140	12 in. Endless Thread


Core Catchers / Retainers

Components	Part	MN	Notes
	DT60 Core Catcher	215016	
	SDT60 Sonic Core Catcher	223224	Short
	DT60 Retainer	211280	
	DT60 Retainer	213139	Endless Thread
	DT60 Wrench	208080	


OUTER ROD STRING**Spindle Adapters**

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV5 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	228765	HD
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	
	GV4 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	234730	HD






6.0 in. Sonic Casing RHSL

Components	MN	Length	Weight	OD	ID
	210979	120 in.	225 lbs.	6.0 in.	5.25 in.
	210648	60 in.	112.5 lbs.		
	211174	24 in.	45 lbs.		
	211277	18 in.	33.75 lbs.		
	212350	12 in.	22.5 lbs.		
	212351	6 in.	11.25 lbs.		

Bits

Components	Part	MN	Notes
	6.0 in. Sonic Bit RHSL SDT60, Dome	226396	6.49 in. OD 4.10 in. ID
	6.0 in. Sonic Bit RHSL SDT60, Para	215162	6.49 in. OD 4.10 in. ID

COMBINED COMPONENTS**Replacement Parts / Accessories**

Components	Part	MN	Notes
	1.25 in. Nylon Ball	101120	
	SDT60 Center Rod Guide	218383	
	6.0 in. Swivel Lift Cap RHSL	210649	Pin
	2.25 in. Spring Assisted Swivel Lift Cap	217609	Pin
	Rod Wiper Donut	600624	6.0 in.
	Core Bags (SDT60, WWL60)	700127	9 in. flat x 1000 ft.
	Thread Compound	600729	1 Gallon

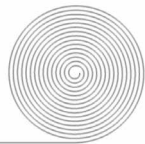
Sonic SDT45 Weighted Wireline (WWL45)

geoprobe.com/dt45-wwl



785-825-1842

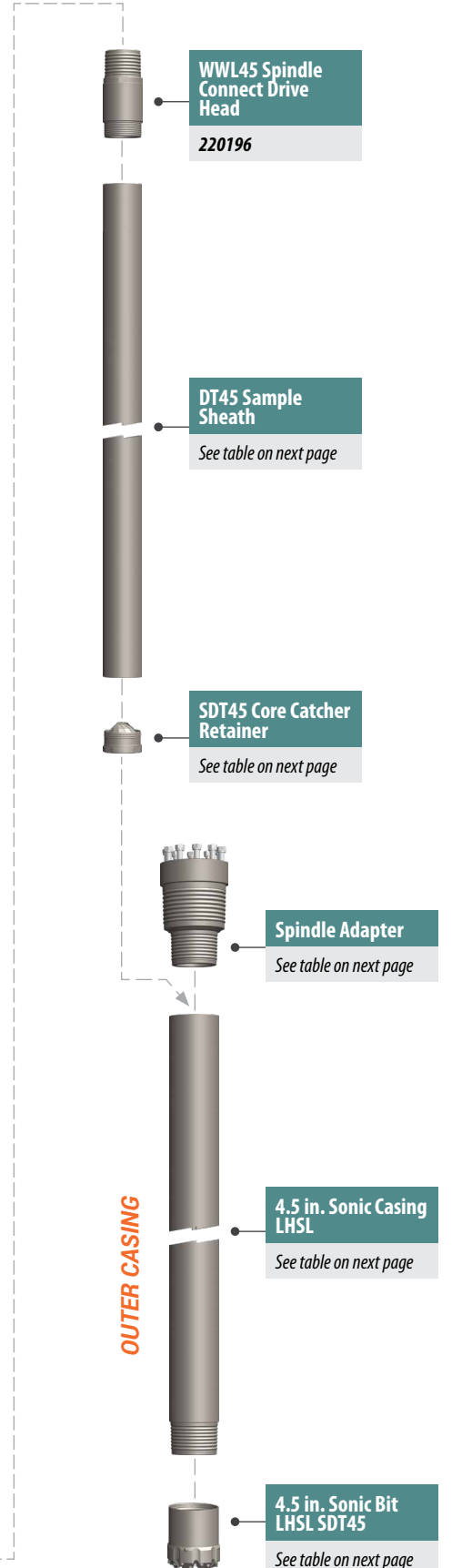
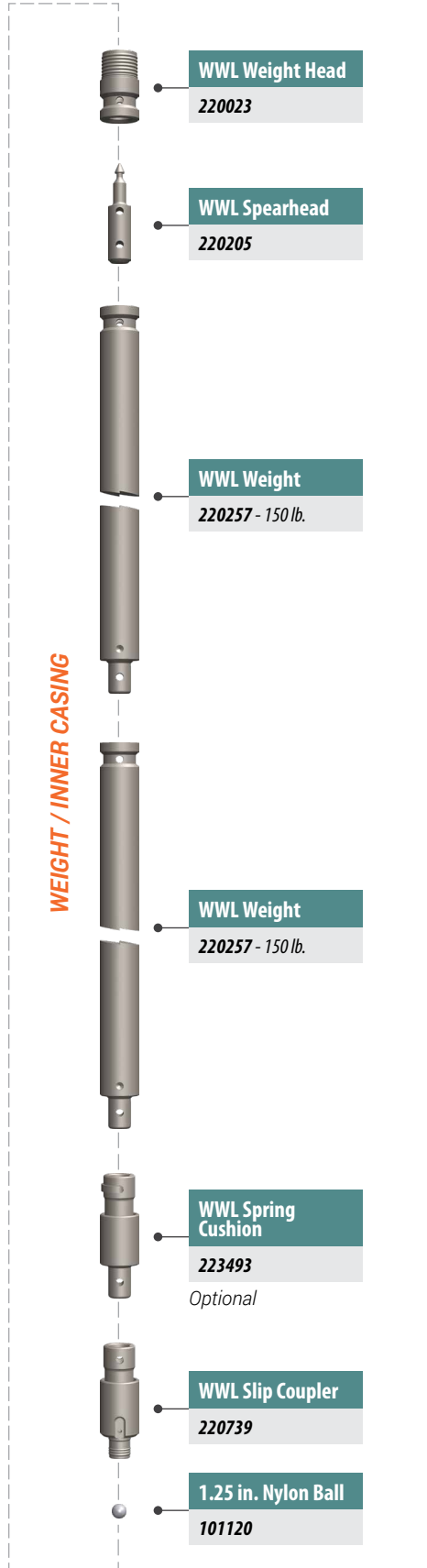
Designed to compliment standard SDT45 tooling, the core barrel uses a simple weight system to hold it in place at the bottom of the tool string rather than a mechanical latch. Makes for much faster trip times when utilized during 100-foot or greater depths in consolidated formations.




Core Bags (SDT45, WWL45, 4X6)
106477











WWL Connector Pin
220325



OVERSHOT*Accessories*

Components	Part	MN	Notes
	NWL WWL Overshot with Quick Change	223515	
	WWL Overshot Release Tube	220755	







WEIGHT / INNER CASING*Accessories*

Components	Part	MN	Notes
	WWL Weight Head	220023	
	WWL Connector Pin	220325	
	WWL Spearhead	220205	
	WWL Weight	220257	150 lb.
	WWL Spring Cushion	223493	Optional
	WWL Slip Coupler	220739	2.25 in. Endless Thread
	1.25 in. Nylon Ball	101120	
	WWL45 Spindle Connect Drive Head	220196	Endless Thread



Sample Sheath

Components	Part	MN	Notes
	DT45 Sample Sheath	212510	132 in., Endless Thread
		231581	72 in., Endless Thread


Core Catchers / Retainers

Components	Part	MN	Notes
	SDT45 Core Catcher Retainer	217894	Asm, Endless Thread
	SDT45 Core Catcher Retainer	226147	Asm, Endless Thread, Short
	SDT45 Sonic Core Catcher	216554	
	DT45 Core Catcher	226134	Short
	SDT45 Core Catcher Retaining Ring	217634	
	DT45 Retainer / MC7 Cutting Shoe Wrench	205773	



OUTER ROD STRING*Spindle Adapters*

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	


4.5 in. Sonic Casing LHSL

Components	MN	Length	Weight	OD	ID
	210172	120 in.	165 lbs.	4.5 in.	3.75 in.
	210495	60 in.	82.5 lbs.		
	210563	24 in.	33 lbs.		
	210602	12 in.	16.5 lbs.		

Bits

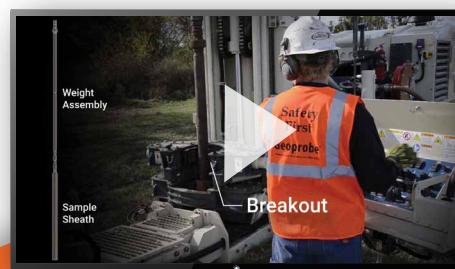
Components	Part	MN	Notes
	4.5 in. Sonic Bit LHSL SDT45, Dome	226395	4.93 in. OD 2.65 in. ID
	4.5 in. Sonic Bit LHSL SDT45, Para	210566	4.93 in. OD 2.65 in. ID

Subs / Adapters

Components	Part	MN	Notes
	4.5 LHSL Box x 4.5 LHSL Pin	212679	4.00 in. S-S Sub Saver

COMBINED COMPONENTS*Accessories*

Components	Part	MN	Notes
	4.5 in. Swivel Lift Cap LHSL	210606	Pin
	3.5 in. Swivel Lift Cap LHSL	209503	Box
	2.25 in. Spring Assisted Swivel Lift Cap	217609	Pin
	Rod Wiper Donut	600448	4.5 in.
	DT45/MC7 Liner Cutter	206987	
	Liner Cutter Replacement Blades	600985	Quantity: 5
	Core Bags (SDT45, WWL45, 4X6)	106477	8 in. flat x 725 ft.
	Thread Compound	600729	1 Gallon

Sonic Weighted Wireline Overviewgeoprobe.com/wwl

This video looks at the speed of the sonic weighted wireline system.

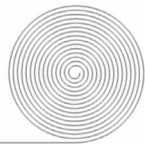
Sonic SDT60 Weighted Wireline (WWL60)

geoprobe.com/dt60-wwl



785-825-1842

Designed and available exclusively through Geoprobe® and able for use under most sonic rigs, WWL60 makes for much faster trip times when utilized during 100-foot or greater depths in consolidated formations. Complimenting standard SDT60 tooling, the core barrel uses a weight system to hold it in place at the bottom of the tool string rather than a mechanical latch.



Core Bags (SDT60, WWL60)
700127



WWL Connector Pin
220325

OVERSHOT



NWL WWL Overshot with Quick Change
223515



WWL Overshot Release Tube
220755



WWL60 Overshot Centralizer
223518



WWL Weight Head
220023



WWL Spearhead
220205



WWL60 Centering Weight
222995



WWL Weight
See table on next page



WWL Weight
See table on next page



WWL Spring Cushion
223493
Optional



WWL Slip Coupler
220739



1.25 in. Nylon Ball
101120



WWL60 Spindle Connect Drive Head
223253



DT60 Sample Sheath
215042 - 60 in.



DT60 Sample Sheath
213140 - 12 in.



DT60 Core Catcher
See table on next page



DT60 Retainer
213139



Spindle Adapter
See table on next page



6.0 in. Sonic Casing RHSL
212351 - 6 in. (optional)

OUTER CASING






6.0 in. Sonic Casing RHSL
See table on next page



6.0 in. Sonic Bit RHSL SDT60
See table on next page



OVERSHOT*Accessories*

Components	Part	MN	Notes
	NWL WWL Overshot with Quick Change	223515	
	WWL60 Overshot Centralizer	223518	
	WWL Overshot Release Tube	220755	





WEIGHT / INNER CASING*Accessories*

Components	Part	MN	Notes
	WWL Weight Head	220023	
	WWL Connector Pin	220325	
	WWL Spearhead	220205	
	WWL60 Centering Weight	222995	
	WWL Weight	220257	150 lb.
	WWL Weight	223797	300 lb.
	WWL Spring Cushion	223493	Optional
	WWL Slip Coupler	220739	2.25 in., endless thread
	1.25 in. Nylon Ball	101120	
	WWL60 Spindle Connect Drive Head	223253	Endless Thread





Sample Sheath

Components	Part	MN	Notes
	DT60 Sample Sheath	215042	60 in.
		213140	12 in., Endless Thread


Core Catchers / Retainers

Components	Part	MN	Notes
	DT60 Core Catcher	215016	
	SDT60 Sonic Core Catcher	223224	Short
	DT60 Retainer	213139	Endless Thread
	DT60 Wrench	208080	



OUTER ROD STRING*Spindle Adapters*

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV5 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	228765	HD
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	
	GV4 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	234730	HD







6.0 in. Sonic Casing RHSL

Components	MN	Length	Weight	OD	ID
	210979	120 in.	225 lbs.	6.0 in.	5.25 in.
	210648	60 in.	112.5 lbs.		
	211174	24 in.	45 lbs.		
	211277	18 in.	33.75 lbs.		
	212350	12 in.	22.5 lbs.		
	212351	6 in.	11.25 lbs.		

Bits

Components	Part	MN	Notes
	6.0 in. Sonic Bit RHSL SDT60, Dome	226396	6.49 in. OD 4.10 in. ID
	6.0 in. Sonic Bit RHSL SDT60, Para	215162	6.49 in. OD 4.10 in. ID

COMBINED COMPONENTS*Accessories*

Components	Part	MN	Notes
	6.0 in. Swivel Lift Cap RHSL	210649	Pin
	3.5 in. Swivel Lift Cap LHSL	209503	Box
	2.25 in. Spring Assisted Swivel Lift Cap	217609	Pin
	Rod Wiper Donut	600624	6.0 in.
	Core Bags (SDT60, WWL60)	700127	9 in. flat x 1000 ft.
	Thread Compound	600729	1 Gallon

Sonic Weighted Wireline Overviewgeoprobe.com/wwl

See how the sonic weighted wireline system makes trip out times much faster than traditional sonic sampling.

SDW45 - Sonic Double Wall 4.5 in.

geoprobe.com/sdw45

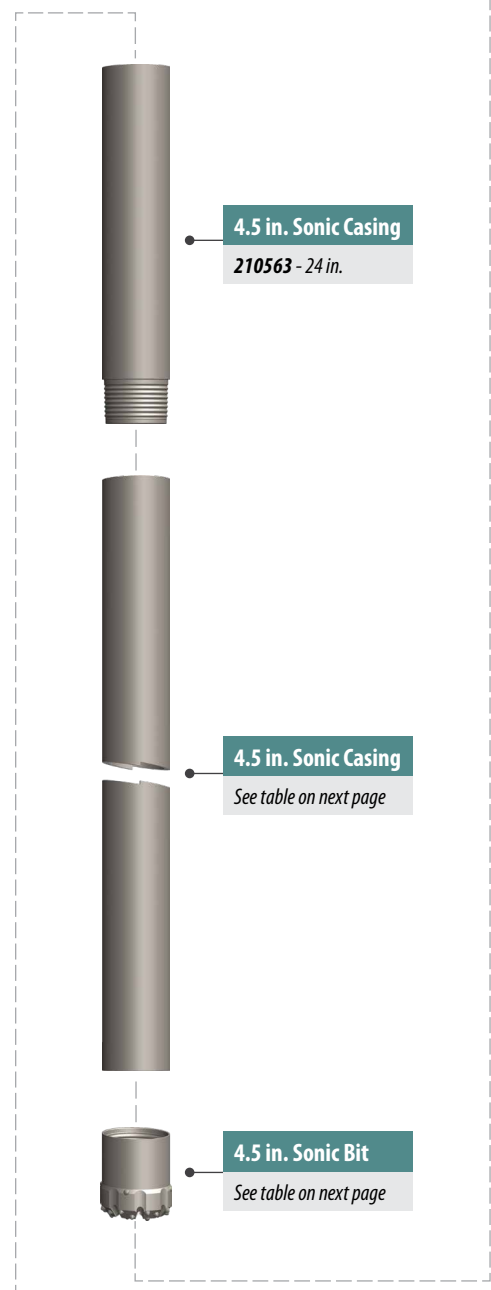


785-825-1842

SDW45 method allows the water to flow around the sample sheath and exit the water ports on the bit face, leaving the sample core unaffected. Effective tooling system designed to obtain confirmatory rock or bedrock samples at the end of a boring, whether using sonic 4x6 or SDT45 or used in place of traditional sonic dual tube system when angled drilling is required.

INNER (RH or LH Options)

- 4.5 in. HD Sonic Rod RHSL Midbody
See table on next page
- 4.5 in. HD Sonic Rod RHSL Coupler
226658
- Sub Saver
See table on next page
- SDT45 Sonic Centering Drive Cap
210093
- 2.25 in. Check Rod
213070
- Spindle Connect Drive Head
See table on next page
- DT45 Sample Sheath
See table on next page
- DT45 / MC7 Liner
See table on next page
- DT45 Core Catcher
See table on next page
- Retainer
See table on next page



OUTER

- Spindle Adapter
See table on next page
- 6.0 in. Sonic Casing RHSL
211277 - 18 in.
- 6.0 in. Sonic Casing RHSL
See table on next page
- 6.0 in. Sonic Bit RHSL
See table on next page



SDW Overview

geoprobe.com/sdw45

INNER**Accessories**

Components	Part	MN	Notes
	SDT45 Sonic Centering Drive Cap	210093	
	2.25 in. Check Rod	213070	6 in.
	SDT45 Spindle Connect Drive Head	216626	
	WWL45 Spindle Connect Drive Head	220196	Endless Thread

Sample Sheath

Components	Part	MN	Notes
		212510	132 in., Endless Thread
		205762	72 in.
		231581	72 in., Endless Thread
		205761	60 in.
		205760	48 in.

Liners

Components	Part	MN	Notes
	DT45 / MC7 Liner	600720	72 in., PVC, Built to Order, Qty: 18
		600719	60 in., PVC, Qty: 18
		600721	48 in., PVC, Qty: 18

Core Catchers / Retainers

Components	Part	MN	Notes
	DT45 Liner Retainer	212520	
	SDT45 Sonic Core Catcher	216554	
	DT45 Core Catcher	226134	Short
	SDT45 Core Catcher Retainer	218304	Asm
	SDT45 Core Catcher Retainer	217894	Asm, Endless Thread
	SDT45 Core Catcher Retainer	226147	Asm, Endless Thread, Short
	SDT45 Core Catcher Retaining Ring	217634	
	DT45 Retainer / MC7 Cutting Shoe Wrench	205773	

4.5 in. Sonic Casing LHSL

Components	MN	Length	Weight	OD	ID
	210172	120 in.	165 lbs.	4.5 in.	3.75 in.
	210495	60 in.	82.5 lbs.		
	210563	24 in.	33 lbs.		
	210602	12 in.	16.5 lbs.		

4.5 RHSL

Components	Part	MN	Notes
	4.5 in. Sonic Sampler Barrel RHSL	227183	60 in.
		223849	12 in.
		229565	6 in.
	SUB 4.5 in. HD RHSL Box to 4.5 RHSL Pin	227102	

Bits

Components	Part	MN	Notes
	4.5 in. Sonic Bit RHSL SDT45, Dome	231316	4.93 in. OD 2.65 in. ID
	4.5 in. Sonic Bit RHSL SDT45, Para	223864	4.93 in. OD 2.65 in. ID
	4.5 in. Sonic Bit LHSL SDT45, Dome	226395	4.93 in. OD 2.65 in. ID
	4.5 in. Sonic Bit LHSL SDT45, Para	210566	4.93 in. OD 2.65 in. ID

OUTER**6.0 in. Sonic Casing RHSL**

Components	MN	Length	Weight	OD	ID
	210979	120 in.	225 lbs.	6.0 in.	5.25 in.
	210648	60 in.	112.5 lbs.		
	211174	24 in.	45 lbs.		
	211277	18 in.	33.75 lbs.		
	212350	12 in.	22.5 lbs.		
	212351	6 in.	11.25 lbs.		

Bits

Components	Part	MN	Notes
	6.0 in. Sonic Bit RHSL, Dome	210749	6.38 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL, Para	213325	6.45 in. OD 5.02 in. ID
	6.0 in. Sonic Bit RHSL CC	226017	6.00 in. OD 5.25 in. ID

COMBINED COMPONENTS**Spindle Adapters**

Components	Part	MN	Notes
	GV5 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	218880	
	GV5 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	228765	HD
	GV4 ADPT 6.0 RHSL x 4.5 LHSL x 3.5 LHSL	211278	
	GV4 ADPT 6.0 RHSL x 4.5 HD x 3.5 LHSL	234730	HD

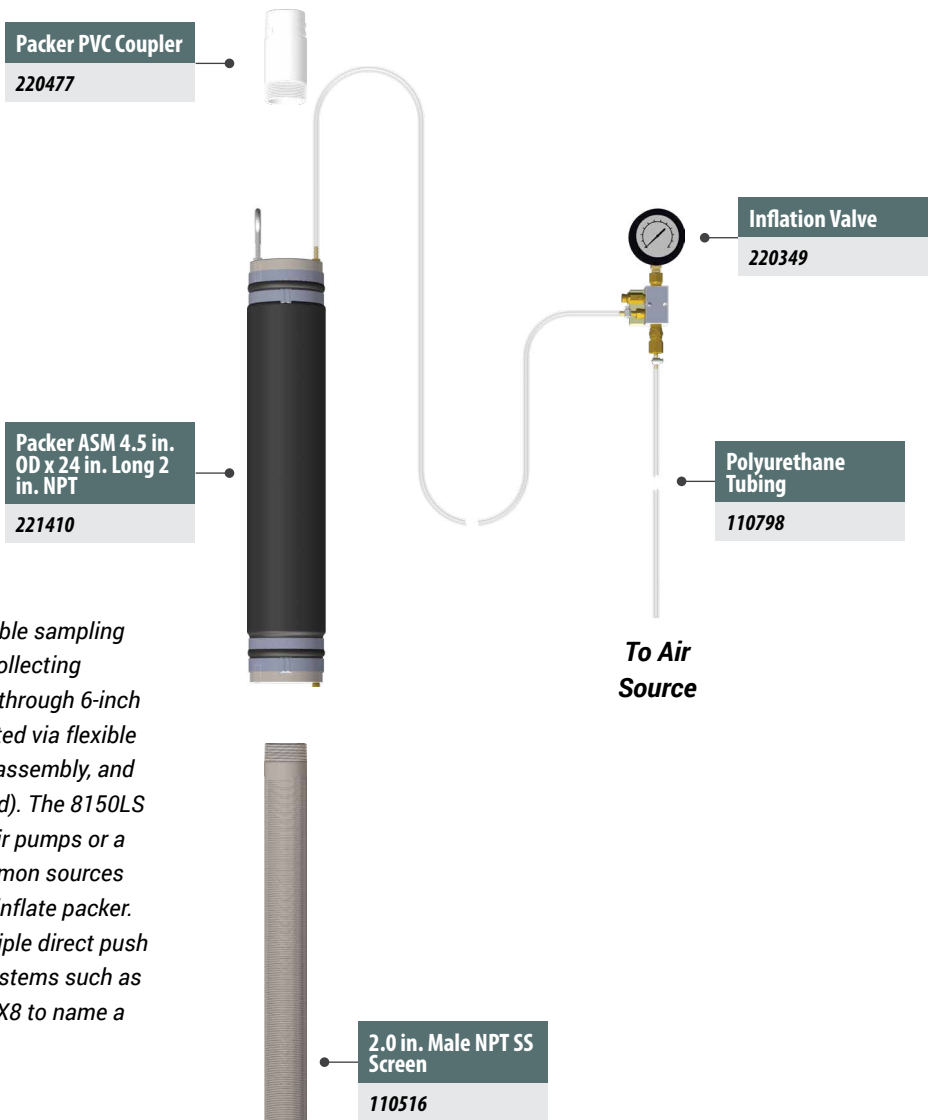
Accessories

Components	Part	MN	Notes
	1.25 in. Nylon Ball	101120	
	6.0 in. Swivel Lift Cap RHSL	210649	Pin
	4.5 in. HD Swivel Lift Cap RHSL	228940	Pin
	4.5 in. Swivel Lift Cap LHSL	210606	Pin
	2.25 in. Spring Assisted Swivel Lift Cap	217609	Pin
	Rod Wiper Donut	600624	6.0 in.
	Rod Wiper Donut	600448	4.5 in.
	DT45/MC7 Liner Cutter	206987	
	Liner Cutter Replacement Blades	600985	Quantity: 5
	Core Bags (SDT45, WWL45, 4X6)	106477	8 in. flat x 725 ft.
	Thread Compound	600729	1 Gallon

Subs / Adapters

Components	Part	MN	Notes
	4.5 HD Pin x 6.0 RHSL Box	226741	8.50 in. S-S
	4.5 HD Box x 4.5 HD Pin	229271	4.00 in. S-S Sub Saver
	4.5 LHSL Box x 4.5 LHSL Pin	212679	4.00 in. S-S Sub Saver

S-S (Shoulder to Shoulder)



Packer-based, deployable sampling system designed for collecting groundwater samples through 6-inch casing. Packer is inflated via flexible tubing, inflation valve assembly, and air supply (not included). The 8150LS on-board air, manual air pumps or a small air tank are common sources for compressed air to inflate packer. Can be used with multiple direct push and sonic sampling systems such as SDT60, 4X6, DT60 or 6X8 to name a few.

Key Features

- deployed inside 6-inch casing with standard 2-inch schedule 40 PVC
- helps ensure groundwater being sampled is representative of that particular interval
- prevents the screen section from being exposed to the water inside the casing
- modular design allows multiple packers to be used for different isolation options

Sampling Components

Components	Part	MN	Notes
	PVC Riser	104378	2 in. x 60 in.
	Packer PVC Coupler	220477	
	Inflation Valve	220349	
	Polyurethane Tubing	110798	3/8 in. OD x 1/4 in. ID x 100 ft.
	Packer ASM 4.5 in. OD x 24 in. Long 2 in. NPT	221410	
	2.0 in. Male NPT SS Screen	110516	5 ft.