



Savannah-T High Top Pedicle Screw System

Table of Contents

Features and Benefits	1
Instrument Guide	2-11
Implant Guide	12-14
Surgical Technique Guide	15-22
Important Product Information	23-26



1755 West Oak Parkway Marietta, GA 30062 Phone: 877-755-3329 Fax: 877-420-1213 www.Amendia.com info@amendia.com

Disclaimer:

The surgical technique shown is for illustrative purposes only. The technique(s) actually employed in each case will always depend upon the medical judgment of the surgeon before and during surgery as to the best mode of treatment for each patient. Please reference the 510K or package insert for additional information and a complete list of intended indications, warnings, precautions, and other medical information.

Features & Benefits

- Constructed of implant grade Titanium Alloy (Ti 6Al-4V ELI)
- Cannulated screws
- Self-tapping "Grip Quick" Thread®
- 5.5 mm bulleted rods straight or pre-lordosed
- Rods offered in 5 mm increments from 30 mm through 130 mm
- Rods offered in various increments from 140 mm through 300 mm (See catalog for available sizes)
- Set screw designed to prevent tulip splaying
- 13 mm extended thread for rod reduction
- Easy release break away towers
- Minimally invasive delivery reduces soft tissue disruption
- Anti-cross thread feature in tulip and set screw
- Connected Tab or Open Top options available



Availat	ole Sizes
Diameter (mm)	Lengths (mm)
5.5	30-50
6.5	30-65
7.5	30-65



Handles



Axial Ratcheting Handle 11000-54



Palm Ratcheting Handle 11000-57



Note: There are three handle types available for use with all quick connect instruments in the Savannah-T System. This includes the Taps, Pedicle Screw Driver, Screw Adjuster, and Set Screw Driver.

Instruments





Depth Sounder 11000-53

Part No.	Size
11000-8-45	4.5 mm
11000-8-50C*	5.0 mm (Cannulated
11000-8-55	5.5 mm
11000-8-55C	5.5 mm (Cannulated)
11000-8-65	6.5 mm
11000-8-65C	6.5 mm (Cannulated)

Taps

*Not Included In Standard Tray Configuration



Pedicle Screw Driver 11000-14

A 10430-2 PEV C SMALL DRATOR LOT 1-22222

Small Dilator 10650-2 Screw Adjuster

11000-7

A 10550-3 REV C LARGE DILATOR LOT DITIT

Large Dilator 10650-3



Tulip Positioner 11000-3







MIS Distractor/ Compressor Tip 11000-32



Optional

18 inch Guide Wire, Single Trocar Tip 9080-18U (Single Use, Individual Sterile Packaged)

24 inch Guide Wire, Single Trocar Tip 9080-24U (Single Use, Individual Sterile Packaged)

18 inch Threaded Guide Wire, Single Trocar Tip 9080-18T (Single Use, Individual Sterile Packaged)

18 inch Banded Guide Wire, Single Trocar Tip 9080L-18U (Single Use, Individual Sterile Packaged)

*Blunt Tipped Guide Wires are also available 9080B-18U, 9080B-24U, 9080B-18T

...

Optional



Crown 10-51 (For use with 10-06-DDLL-2) Bevel Tip

Diamond Tip

Dual Style Needle 8120-11R-15 (11 Gauge, 150 mm) (Single Use, Individual Sterile Packaged)

Lodestar 11000-40 (Single Use, Individual Sterile Packaged)

Neuro Probe 4014-00 (Single Use, Individual Sterile Packaged)

Anti Torque Handle 11000-11-7 (For use with Right Angle Rod Inserter)



Ratcheting T-Handle 9093

Optional



Optional



Implant Guide

Part #	Size	Dome Topped Pedicle Screw, Cannulated
10-03-5530-2	5.5 mm x 30 mm	м
10-03-5535-2	5.5 mm x 35 mm	
10-03-5540-2	5.5 mm x 40 mm	
10-03-5545-2	5.5 mm x 45 mm	
10-03-5550-2	5.5 mm x 50 mm	
10-03-6530-2	6.5 mm x 30 mm	語
10-03-6535-2	6.5 mm x 35 mm	
10-03-6540-2	6.5 mm x 40 mm	व
10-03-6545-2	6.5 mm x 45 mm	
10-03-6550-2	6.5 mm x 50 mm	
10-03-6555-2	6.5 mm x 55 mm	
10-03-6560-2	6.5 mm x 60 mm	
10-03-6565-2	6.5 mm x 65 mm	
10-03-7530-2	7.5 mm x 30 mm	
10-03-7535-2	7.5 mm x 35 mm	
10-03-7540-2	7.5 mm x 40 mm	100
10-03-7545-2	7.5 mm x 45 mm	300
10-03-7550-2	7.5 mm x 50 mm	
10-03-7555-2	7.5 mm x 55 mm	
10-03-7560-2	7.5 mm x 60 mm	¥
10-03-7565-2	7.5 mm x 65 mm	

Part #	Set Screw
10-07	

Implant Guide

Part #	Size	Split Tower Tulip Pec	licle Screw, Cannulated
10-06-5530-2	5.5 mm x 30 mm		1
10-06-5535-2	5.5 mm x 35 mm		
10-06-5540-2	5.5 mm x 40 mm		
10-06-5545-2	5.5 mm x 45 mm		
10-06-5550-2	5.5 mm x 50 mm		
10-06-6530-2	6.5 mm x 30 mm		
10-06-6535-2	6.5 mm x 35 mm		
10-06-6540-2	6.5 mm x 40 mm		
10-06-6545-2	6.5 mm x 45 mm		
10-06-6550-2	6.5 mm x 50 mm		
10-06-6555-2	6.5 mm x 55 mm		
10-06-6560-2	6.5 mm x 60 mm		-
10-06-6565-2	6.5 mm x 65 mm		
10-06-7530-2	7.5 mm x 30 mm		
10-06-7535-2	7.5 mm x 35 mm		2
10-06-7540-2	7.5 mm x 40 mm	1	
10-06-7545-2	7.5 mm x 45 mm		
10-06-7550-2	7.5 mm x 50 mm		
10-06-7555-2	7.5 mm x 55 mm		
10-06-7560-2	7.5 mm x 60 mm		
10-06-7565-2	7.5 mm x 65 mm		

Implant Guide

Part #	Straight Notched Roc
10705-030*	
10705-035*	
10705-040	
10705-045	
10705-050	
10705-055*	
10705-060	
10705-065*	
10705-070	
10705-075*	
10705-080	
10705-085*	
10705-090	
10705-095*	
10705-100	
10705-105*	
10705-110*	
10705-115*	
10705-120*	
10705-125	
10705-130*	
10705-140*	
10705-150*	
10705-160*	
10705-170*	
10705-175*	
10705-180*	
10705-190*	
10705-200*	
10705-220*	
10705-240*	
10705-250*	
10705-260*	
10705-280*	
10705-300*	



*Not Included In Standard Tray Configuration

1. Prepare the Pedicle

Make an incision to expose all the pedicles that will be used for the screw construct. Use the **Dual Stylet Needle** and radiographic imaging to find the optimal trajectory (**Figure 1**) for the **Pedicle Screw** and create a pilot hole in the pedicle (**Figure 2**).



Figure 1



Remove the stylet from the **Dual Stylet Needle (Figure 3)**. Use the cannulation to introduce the **Guide Wire (Figure 4)**. Insert the **Guide Wire** through the cannulated handle, pressing it into the bone to anchor it. Remove the cannulated handle keeping the **Guide Wire** in place (Figure 5). Use radiographic imaging to confirm placement and orientation within the pedicle. Repeat for all pedicles supporting the construct.



2. Screw Delivery

Optional

Savannah-T Cannulated Pedicle Screws have a self-tapping tip, therefore tapping is optional. If tapping is preferred, use the Cannulated Tap over the Guide Wire to prepare the pedicle for screw delivery (Figure 6-A). It is recommended to prepare the pedicle using an undersized Tap. Note: The Taps are labeled with their actual diameter. The threaded length of the Tap is 30 mm (Figure 6-B).



Load the appropriate size **Pedicle Screw** onto the **Pedicle Screw Driver (Figure 7)** by threading the outer shaft into the threads on the tulip (**Figure 8**), making sure the inner shaft's hex is engaged in the screw (**Figure 9**). Tighten for a secure fit. Alternatively, the **Screw Adjuster** may be used as a friction fit driver.



Using the handle of your choice on the **Pedicle Screw Driver**, send the **Pedicle Screw** over the **Guide Wire** and drive it into the prepared pedicle (Figures 10-A, 10-B). Remove the **Driver** by backing out the outer shaft's threads and remove the **Guide Wire (Figure 11)**. Repeat for all pedicles supporting the construct.





Figure 10-A

3. Introducing the Rod

Measure the distance between screws with the **Scissor Caliper**. Place the ends of the **Caliper** down through the towers of the **MIS Screws** into the tulips, where the **Rod** will ultimately be secured **(Figure 12-A)**. Read the indicator on the **Caliper (Figure 12-B)**. Each graduation is x10 mm. Read the upper scale for bullet tipped **MIS Rods**. Note: This is only a guide for choosing the **Rod** length. The actual **Rod** length may vary depending on the specific case.



Place the selected **Rod** into the **Right Angle Rod Inserter**, mating the notched end of the **Rod** so it dovetails into the **Inserter (Figure 13-A)**. Then use the **Rod Inserter Driver** to turn the hex near the handle connection clockwise, to lock the **Rod** in place (Figure 13-B).



4. Rod Insertion

Use the **Right Angle Rod Inserter** to introduce the **Rod** through the incision, accessing the incision through the top of the **MIS Pedicle Screw** construct. Insert the bullet tip of the **Rod** until it is below the muscle fascia (Figure 14).



Pivot the **Rod Inserter** to direct the end of the **Rod** through the tower of the second **MIS Pedicle Screw (Figure 15)**.



Rotate the **Rod** and sweep the handle upwards to seat the **Rod** into place within the saddles of the screw heads, staying within the incision and directing the **Rod** under the tissue (Figure 16).



5. Securing the Rod

Load both ends of the Set Screw Starter with Set Screws (Figure 17). Place MIS Sleeves over the tulips (Figure 18). With the Right Angle Rod Inserter still in place, send the loaded Set Screw Starter down the center of the MIS Screws (Figure 19). Install the Set Screws into the tulips and thread down until they engage the Rod. Repeat for each tulip along the Rod. Note: Excessive torque may damage the Set Screw Starter.



Incrementally tighten each **Set Screw**, assuring that the **Rod** is properly seated in every **Screw** before beginning final tightening.

(Optional) If compression is necessary, first use the Set Screw Driver with Torque-Limiting T-Handle to tighten the Set Screw farthest from the Right Angle Rod Inserter. Then remove the Right Angle Rod Inserter. Next, insert the Compressor Fulcrum between the towers. Apply compression below the Compressor Fulcrum (Figure 20-A). Next, torque down the remaining Set Screws using the Set Screw Driver (Figure 20-B).



If Compression Was Not Used:

Once one **Set Screw** is tightened, remove the **Right Angle Rod Inserter** by turning the hex on the proximal end counter-clockwise (**Figure 21**) and pull the **Inserter** away from the **Rod** until it is released (**Figure 22**). Tighten remaining **Set Screws** using the above method. Repeat steps 3, 4, and 5 on the other side of the construct. Remove the **Compression Sleeves (Figure 23**).



5. Securing the Rod and Final Tightening

Perform final tightening with the **Torque Limiting T-Handle (Figure 24)**. The **Counter Torque** should be used at every level to ensure that excessive forces are not transmitted to the vertebral bodies when the **Torque Limiting Driver** "clicks" at the desired final torque.



Figure 24

6. Tab Removal

Use the **Tab Breaker** to pry the extension tabs until they break off of the tulip and discard them (Figure 25-A, 25-B, 25-C).



Figure 25-A



Figure 25-B



Figure 25-C

CAUTION:

Federal law (USA) restricts these devices to the sale by or on the order of a physician. Implants and disposable instruments single use only.

Description:

The Savannah® Lumbar Percutaneous Stabilization System is comprised of spinal implants for fixation of the thoracic, lumbar, and/or sacral spine. The system includes rods, screws, couplers, swivel ball, and locking nuts. The system is to be used with bone graft material to facilitate spinal fusion. All implant components are made of titanium alloy (Ti-6AI-4V ELI) according to ASTM F136. (NOTE: Titanium and stainless steel implants should not be mixed in patients as corrosion may occur resulting in decreased mechanical performance.) The Savannah-T®/Savanannah-C Pedicle Screw System is comprised of spinal implants for fixation of the thoracic, lumbar, and/or sacral spine. The system includes rods, screws, set screws, and crossmembers. The system is to be used with bone graft material to facilitate spinal fusion. All implant components are made of titanium alloy (Ti-6AI-4V ELI) according to ASTM F136. (NOTE: Titanium and stainless steel implants should not be mixed in patients as corrosion may occur resulting in decreased mechanical performance.)

Indications for Use:

The Savannah® and Savannah-T®/Savannah-C systems are intended to provide immobilization and stabilization of spinal segments as an adjunct to fusion in the treatment of the following acute and chronic instabilities or deformities of the thoracic, lumbar, and/or sacral spine, specifically as follows:

• When intended for pedicle screw fixation of the non-cervical posterior spine in skeletally mature patients the Savannah® and Savannah-T®/Savannah-C systems are indicated for one or more of the following: degenerative disc disease (defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies); spondylolisthesis; fracture; dislocation; scoliosis; kyphosis; spinal tumor; and/or failed previous fusion (pseudarthrosis).

• In addition, when used as a pedicle screw fixation system, the Savannah® and Savannah-T®/Savannah-C systems are indicated for skeletally mature patients having degenerative spondylolisthesis with objective evidence of neurologic impairment and/or severe spondylolisthesis (grades 3 and 4) of the fifth lumbar-first sacral (L5-S1) vertebral joint; who are receiving fusions using autogenous bone graft only; who are having the device fixed or attached to the lumbar and sacral spine (L3 and below); and who are having the device removed after the

WARNING: The safety and effectiveness of pedicle screw spinal systems have been established only for spinal conditions with significant mechanical instability or deformity requiring fusion with instrumentation. These conditions are significant mechanical instability or deformity of the thoracic, lumbar, and sacral spine secondary to severe spondylolisthesis (grades 3 and 4) of the L5–S1 vertebra, degenerative spondylolisthesis with objective evidence of neurologic impairment, fracture, dislocation, scoliosis, kyphosis, spinal tumor, and failed previous fusion (pseudarthrosis). The safety and effectiveness of these devices for any other conditions are unknown. The Savannah® and Savannah-T®/Savannah-C system components are not to be used with systems or components of another manufacturer.

Contraindications include, but are not limited to:

- Any abnormality present which affects the normal process of bone remodeling including, but not limited to, severe osteoporosis involving the spine, active infection at the site or certain metabolic disorders affecting osteogenesis.
- Insufficient quality or quantity of bone which would inhibit rigid device fixation.
- Previous history of infection.
- Excessive local inflammation.
- Open wounds.
- Any neuromuscular deficit which places an unusually heavy load on the device during the healing period.
- Obesity. An overweight or obese patient can produce loads on the spinal system which can lead to failure of the fixation of the device or to failure of the device itself.
- Patients having inadequate tissue coverage of the operative site.
- Pregnancy.
- A condition of senility, mental illness, or substance abuse. These conditions, among others, may cause the patient to ignore certain necessary limitations and precautions in the use of the implant, leading to failure or other complications.
- Foreign body sensitivity. Where material sensitivity is suspected, appropriate tests should be made prior to material selection or implantation.
- Other medical or surgical condition which would preclude the potential benefit of spinal implant surgery, such as the presence of tumors, congenital abnormalities, elevation of sedimentation rate unexplained by other diseases, elevation of white blood cell count (WBC), or

Precautions:

- Surgical Implants should never be reused.
- Handle carefully to avoid damage to the implants or instruments.
- The implantation of pedicle screw spinal systems should be performed only by experienced spinal surgeons with specific training in the use of this pedicle screw spinal system because this is a technically demanding procedure presenting a risk of serious injury to the patient.
- A successful result is not always achieved in every surgical case. Surgeons should not implant the Savannah® and Savannah-T®/Savannah-C spinal implants until receiving adequate training regarding surgical technique. Inadequate training may result in poor patient outcomes and/or increased rates of adverse events. See the Savannah® Lumbar Percutaneous Stabilization System Surgical Technique Manual and Savannah-T®/Savannah-C Pedicle Screw System Surgical Technique Manual for more information on proper implantation technique.
- The Savannah® and Savannah-T®/Savannah-C systems have not been evaluated for safety and compatibility in the MR environment. The Savannah® and Savannah-T®/Savannah-C systems have not been tested for heating or migration in the MR environment.

Important Product Information

Possible Adverse Effects:

Potential adverse effects may include, but are not limited to the following:

- Bending, disassembly, or fracture of any or all implant components.
- Pain, discomfort, or abnormal sensations due to the presence of the device.
- Pressure on the skin from components where inadequate tissue coverage exists over the implant, with the potential extrusion through the skin, seroma or wound dehiscence.
- Dural leak, pseudomeningocele, or fistula requiring surgical repair.
- Loss of proper spinal curvature, correction, height and/or reduction.
- Delayed Union or Nonunion: Internal fixation appliances are load sharing devices which are used to obtain alignment until normal healing occurs. In the event that healing is delayed, does not occur, or failure to immobilize the delayed/nonunion results, the implant will be subject to excessive and repeated stresses which can eventually cause loosening, bending, or fatigue fracture.
- Early or late loosening of spinal fixation implants.
- Peripheral neuropathies, nerve damage, neurovascular compromise, paralysis, loss of bowel or bladder function, or foot-drop. Other neuro logic adverse events may include motor or sensory loss, spasms, parasthesia, paraparesis cauda equina syndrome, numbness and decrease or total loss of reflexes and/or muscle tone.
- Serious complications may be associated with any spinal surgery. These complications include but are not limited to: genitourinary
 disorders; gastrointestinal orders; vascular disorders; including thrombus; bronchopulmonary disorders, including emboli, atelectasis,
 pneumonia and ARD; bursitis, hemorrhage, seroma, myocardial infarction, infection, paralysis or death.
- Neurological, vascular, or soft tissue damage due directly to the unstable nature of the fracture, or to surgical trauma.
- Inappropriate or improper surgical placement of this device may cause distraction or stress shielding of the graft or fusion mass. This may contribute to failure of an adequate fusion mass to form.
- Decrease in bone density due to stress shielding.
- Intraoperative fissure, fracture, or perforation of the spine can occur due to implantation of the components. Postoperative fracture of the bone graft, the intervertebral body, pedicle, and/or sacrum above and/or below the level of surgery can occur due to trauma, the presence of defects, or poor bone stock.
- Heterotropic bone formation.
- Graft site pain, fracture or wound healing problems.
- Tissue reaction to the implant, debris or corrosion of the implant material.
- Disc herniation and degeneration of adjacent discs.
- Decreased ability to perform activities of daily living.

Adverse effects may necessitate reoperation or revision.

Material Specification:

The Savannah® and Savannah-T®/Savannah-C implant components are manufactured from titanium alloy (Ti-6AI-4V ELI) per ASTM F136. No warranties, expressed or implied, are made.

Packaging: Packages for each of the components should be intact upon receipt. Damaged packages and products should not be used and should be returned to AMENDIA.

Sterilization:

Products not clearly marked as sterile should be assumed non-sterile.

For Sterile Implants and Instruments:

Implants and instruments provided sterile will be clearly labeled as such in an unopened sterile package provided by AMENDIA. The contents are considered sterile unless the package is damaged, opened, or the expiration date on the device label has passed. The integrity of the packaging should be checked to ensure that the sterility of the contents is not compromised. Implants supplied sterilized from AMENDIA must not be re-sterilized.

For Non-Sterile Implants and Instruments:

Implants and instruments used in surgery not clearly labeled as sterile must be sterilized by the hospital prior to use. Remove all packaging materials prior to sterilization where applicable.

Only sterile products should be placed in the operative field.

Surgical Technique Guides: To obtain copies of the Surgical Technique Guides visit www.AMENDIA.com or contact AMENDIA customer service.

Product Complaints:

Any health care professional (e.g. customer or user) who has experienced dissatisfaction in the services of AMENDIA or who has any complaints about AMENDIA products referring to quality, identity, durability, reliability, safety, effectiveness, and/or performance, should notify this to the sales representative, distributor, or AMENDIA customer service. Further, if any of the devices, instruments or components ever malfunction, (i.e. do not meet any of their performance specifications or otherwise do not perform as intended), or are suspected of doing so, the distributor should be notified immediately. If any AMENDIA product ever "malfunctions" and may have caused or contributed to the death or serious injury of a patient, the distributor should be notified immediately by telephone, FAX or written correspondence. When filing a complaint, please provide the component(s) name and number, lot number(s), your name and address, the nature of the complaint and notification of whether a written report from the distributor is requested.

Important Product Information

Manufacturer: AMENDIA, 1755 West Oak Parkway, Marietta, GA 30062, 877-755-3329 (Toll Free), 770-575-5200 (Main), 877-420-1213 (Fax)

Recommended Sterilization Procedures for Savannah® Lumbar Percutaneous Stabilization System and Savannah-T®/Savannah-C Pedicle Screw System Provided Non-Sterile:

Manufacturer: Amendia, Inc.

Method: Manual Cleaning and Steam Sterilization Device(s): Trays/Implants/Instruments

CAUTIONS:	The Savannah® and Savannah-T®/Savannah-C systems provided NON-STERILE should be cleaned and sterilized before use.
	Automated cleaning may not be effective. A thorough, manual cleaning process is recommended. Cleaning agents with chlorine or chloride as an active ingredient are corrosive to stainless steel and should not be used. Saline solution has a corrosive effect on stainless steel and should not be used.
	Use only neutral pH cleaning agents and detergents.
	Savannah® and Savannah-I®/Savannah-C implants are single use. Therefore these guidelines are not intended for USED Savannah® and Savannah-T®/Savannah-C spinal implants or DISPOSABLE, single use instruments. The Savannah® and Savannah-T®/Savannah-C systems have not been evaluated for safety and compatibility in the MR environment. The Savannah® and Savannah-T®/Savannah-C systems have not been tested for heating or migration in the MR environment.
Limitations on	Repeated processing has limited effect on REUSABLE instruments.
Reprocessing:	End of life is normally determined by wear and damage due to use.

Instructions:	
Point of Use:	Use clean flowing water and disposable wipes to remove excess soil. Reprocess instruments as soon as possible to prevent body fluid and tissue from drying on instruments prior to cleaning.
Preparation for decontamination:	Disassemble all components to provide maximum exposure for cleaning.
Cleaning - Automated:	Automated washer/disinfector systems are not recommended as the sole cleaning method for surgical instruments. An automated system may be used as a follow-up method to manual cleaning.
Cleaning-Manual	 Disassemble all components before cleaning. Completely submerge instruments in enzyme solution and allow to soak for a minimum of 20 minutes. Use a soft-bristled, nylon brush to gently scrub the device until all visible soil has been removed. Particular attention must be given to crevices, lumens, mated surfaces, connectors and other hard-to-clean areas. Lumens should be cleaned with a long, narrow, and appropriately sized soft-bristled brush (e.g. pipe cleaner brush). Remove the devices from the enzyme solution and rinse in tap water for a minimum of 3 minutes. Thoroughly and aggressively flush lumens, holes and other difficult-to-reach areas. After manual cleaning, and all visible blood, soft tissue, and bone have been removed ultra-sonic cleaning may be used. Place prepared cleaning agents in a sonication unit. Completely submerge device in cleaning solution and sonicate for a minimum of 10 minutes at 45-50kHz. Rinse instrument in purified water for at least 3 minutes or until there is no sign of blood or soil on the device or in the rinse stream. Thoroughly and aggressively flush lumens, holes and other difficult-to-reach areas. Use de-ionized water for final rinse of all components.
	7.Thoroughly and promptly, remove excess moisture from the instrument with a clean, absorbent and non-shedding wipe. Allow the tray and components to dry for a minimum of 15 minutes. The tray and components must be thoroughly dry prior to sterilization cycle.

Important Product Information

Disinfection:	Disinfection is only acceptable as an adjunct to full sterilization for reusable surgical instruments.
Maintenance,	Carefully inspect each device to ensure that all visible blood and soil have been removed.
testing;	Inspect lumens to confirm that all foreign material has been removed.
	Visually inspect for damage and/or wear.
	Note: If any damage or wear is noted that impairs the function of the instrument, contact your Amendia representative for a replacement.
Packaging:	This set of components may be loaded into a dedicated tray, supplied by the manufacturer, for sterilization.
Sterilization:	Visually inspect all components for any remaining debris prior to sterilization.
	The Savannah® and Savannah-T®/Savannah-C system components provided NON-STERILE should be autoclave sterilized using the sterilizer manufacturer's instructions and the institution's procedures for ensuring sterility. The sterilization cycle should occur in a calibrated autoclave.
	Savannah® Lumbar Percutaneous Stabilization System components should be sterilized utilizing a pre-vacuum steam autoclave for a minimum of 20 minutes at 270°F (132°C.)
	Savannah-T®/Savannah-C Pedicle Screw System components should be sterilized utilizing a pre-vacuum steam autoclave for a minimum of 10 minutes at 270°F (132°C.)
	The 10 and 20 minute, 270° pre-vacuum steam sterilization cycles are not considered by the Food and Drug Administration to be a standard sterilization cycle. It is the end user's responsibility to use only sterilizers and accessories (such as sterilization wraps, sterilization pouches, chemical indicators, biological indicators, and sterilization cassettes) that have been cleared by the Food and Drug Administration for the selected sterilization cycle specifications (time and temperature).
Drying:	A minimum drying time of 20 minutes, after sterilization, is recommended.
	Drying times may vary according to load size and should be increased for large loads.
	Dry, thoroughly and promptly, after both cleaning and sterilization.
Storage:	Store components in a clean, dry, limited access area that is well ventilated and provides protection from dust, moisture, insects, vermin, and extremes in humidity and temperature.

The instructions provided above have been validated by Amendia as being CAPABLE of preparing a medical device for reuse. It remains the responsibility of the processor to ensure that the reprocessing as actually performed, using equipment, materials, and personnel in the reprocessing facility, achieves the desired result. This normally requires validation and routine monitoring of the process. Any deviation by the re-processor from these instructions should be properly evaluated for effectiveness to avoid potential adverse consequences.



1755 West Oak Parkway Marietta, GA 30062 Phone: 877-755-3329 Fax: 877-420-1213 www.Amendia.com info@amendia.com

> 510(k) Number: K132925 MM-066, Rev. 2