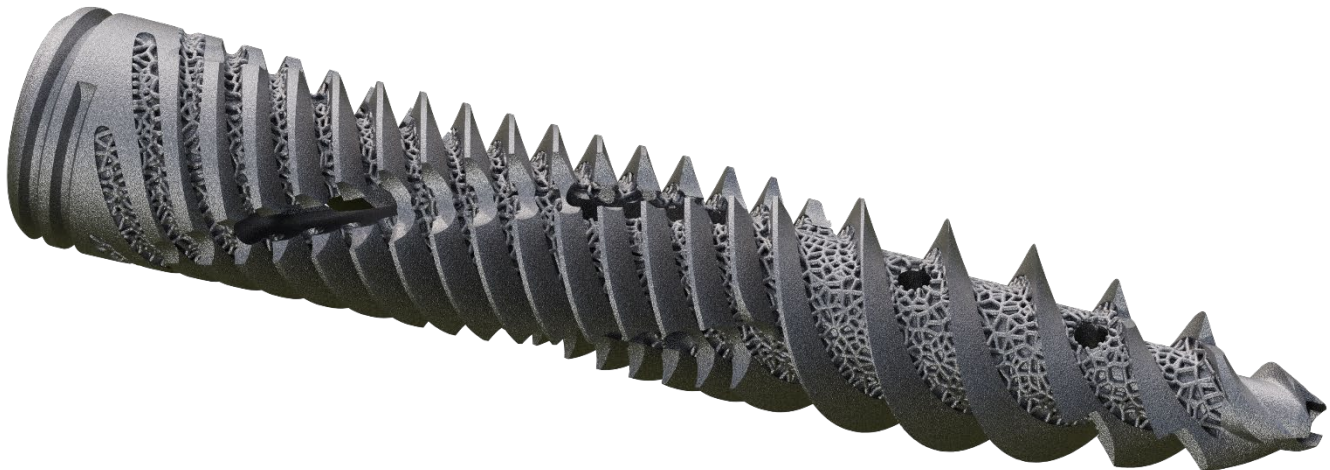




Eminent Spine SI Screw System

Superior Lateral Approach

Technique Guide



The Eminent Spine SI Screw System creates better fusion through a more comprehensive implant offering, superior fusion, built-in compression, and repeatable technique in the Sacro-Iliac joint.

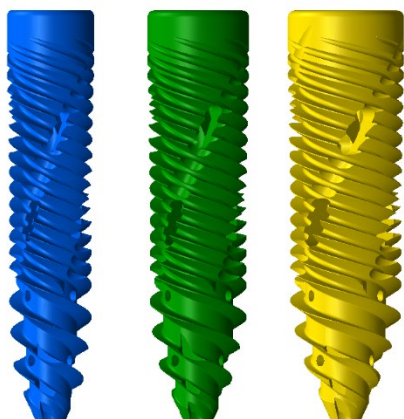
TABLE OF CONTENTS

Product Review	
Implant Overview	5
Implant Features	6
Instrument Overview	7
Surgical Technique	
Patient Positioning	10
X-Ray Technique	11
Targeting Instructions	14
Guide Pin Placement	17
Dilation	19
Drill / Tap	20
Depth Stopper	21
Driver	22
Biologics	23
Instrument Removal	24
Parallel Pin Guide	25
Additional Implants	26
Implant Removal	27
Implant Catalog	28
Instrument Catalog	33
Notes	34

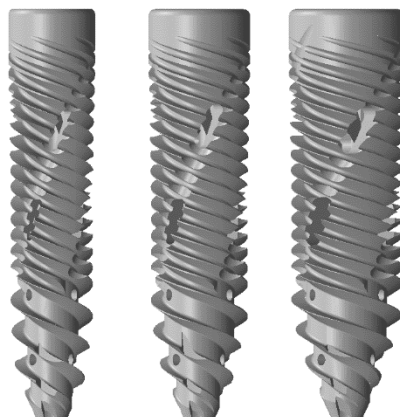
Eminent Spine does not practice medicine. This technique was developed in conjunction with health care professionals. This document is intended for surgeons and is not intended for lay persons. Each surgeon should exercise his or her own independent judgment in the diagnosis and treatment of an individual patient, and this information does not purport to replace the comprehensive training surgeons have received. As with all surgical procedures, the technique used in each case will depend on the surgeon's medical judgment as the best treatment for each patient. Results will vary based on health, weight, activity and other variables. Not all patients are candidates for this product and/or procedure.

IMPLANT OVERVIEW

HEADLESS OPTIONS



Machined Ti



3D Printed Ti

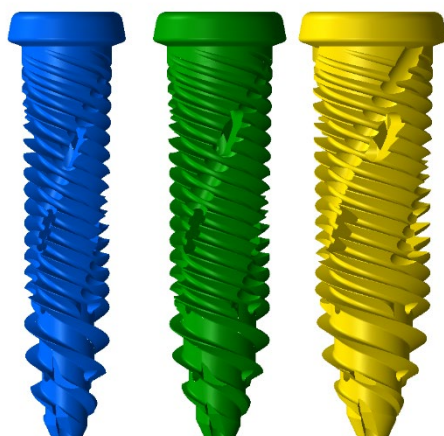
Diameters

Ø8.5mm
Ø10.0mm
Ø11.5mm
Ø13.0mm

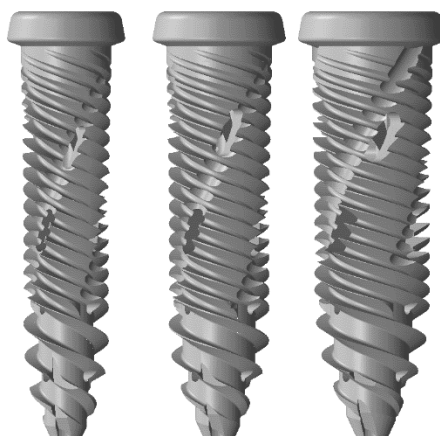
Lengths

20-90mm, 5mm increments

HEADED OPTIONS



Machined Ti



3D Printed Ti

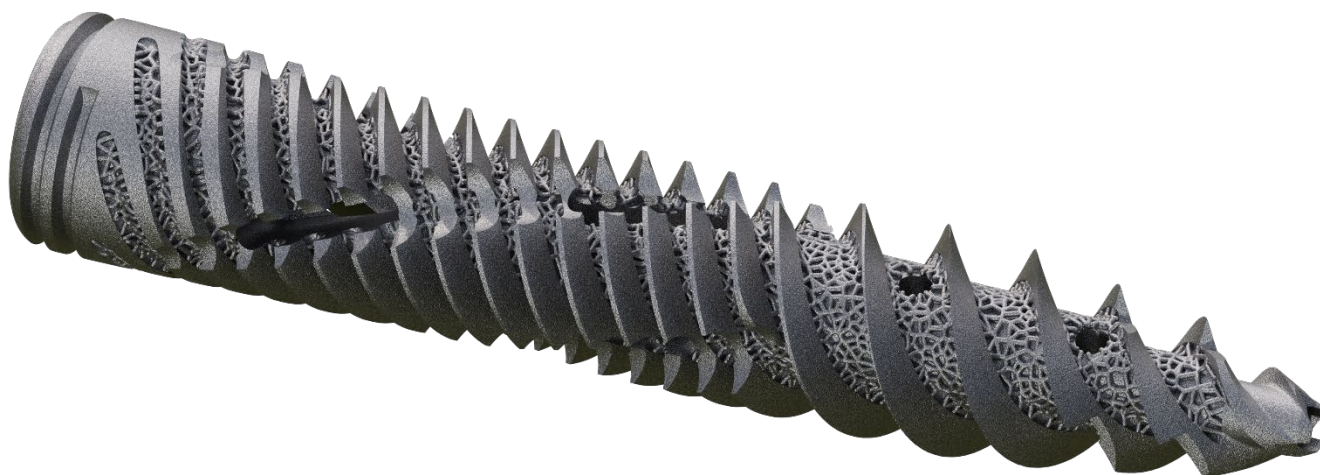
Diameters

Ø8.5mm
Ø10.0mm
Ø11.5mm
Ø13.0mm

Lengths

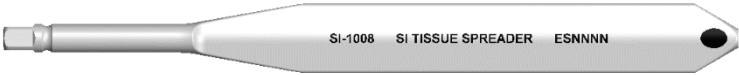
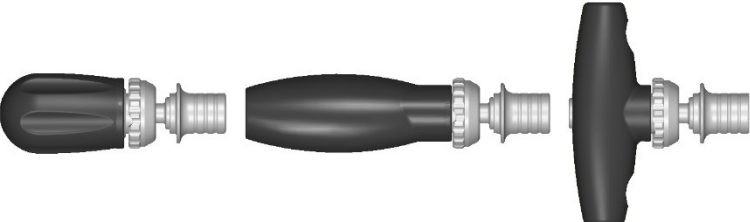
20-90mm, 5mm increments

IMPLANT FEATURES



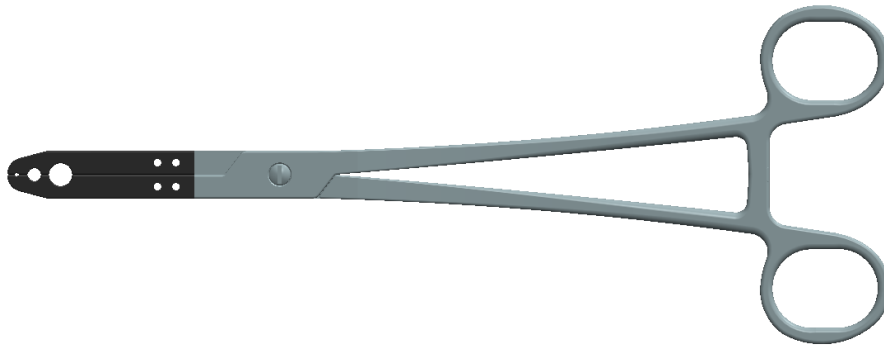
+Self Tapping Tip	better control and accuracy
+Triple Lead Thread	faster insertion, less turns to drive implant, premium pullout strength
+Cortical / Cancellous Thread	properly fits anatomy of the sacro-iliac joint
+Standard T30 Hexalobe Driver	strongest driver possible, fits all screw profiles
+2.8mm Pin Cannulation	standard cannulation, wire approach
+3X-6X Fenestration	pre-pack or post-pack implant for added fusion
+3X Collection Grooves	counter-patterned helix for bone collection during placement
+3X-9X Collection Slots	counter-patterned for additional bone collection
+Threaded Joint Compression	tapered minor thread for bone fixation + compression in the joint
+Diameter Joint Compression	flared outer diameter for bone fixation + compression in the joint
+Surfaced Machined Implants	improved fusion via bone on-growth on screw surface
+3D Printed Implants	premium fusion via bone on-growth on 3D screw lattice
+Removal Option	reverse-thread removal on head

INSTRUMENT OVERVIEW

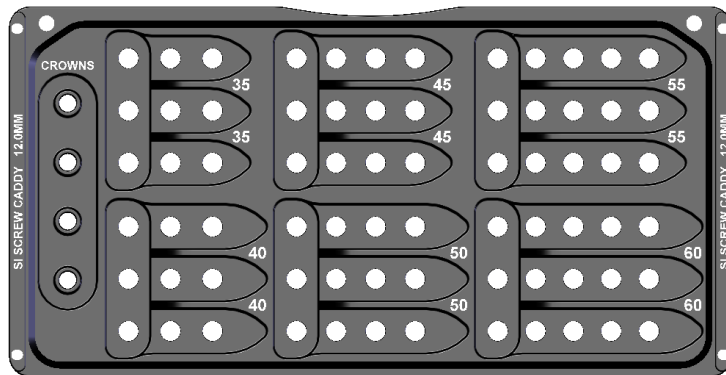
	SI Target Tap
	2.8mm Pin
	Pin Holder
	Tissue Spreader
	Depth Dilator
	Dilator
	Dilator Handle
	Drill Series
	Tap Series
	Screw Driver
	Depth Stopper
	1/4 Drive Handles



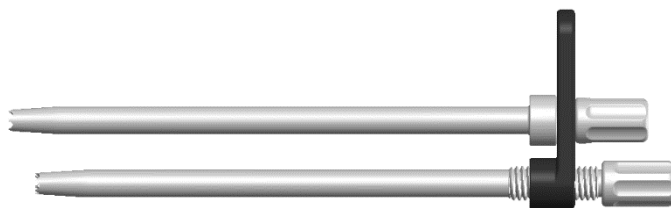
Mallet



Radiolucent Kocher



Caddy

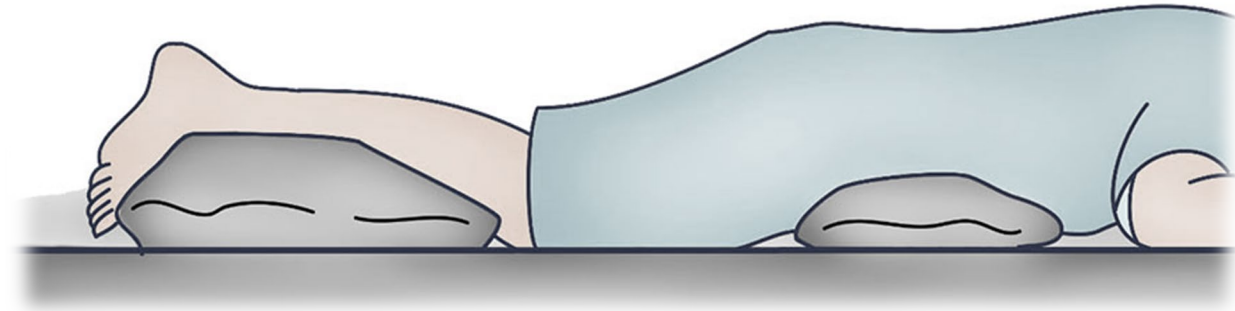


Parallel Guide, Variable

SURGICAL TECHNIQUE

SUPERIOR LATERAL APPROACH

PATIENT POSITIONING



To perform the lateral approach, the patient is positioned prone on the radiolucent table and draped according to surgeon preference. The patient should be supported on each side of the body and positioned in an anteroposterior plane. A towel roll can be set under the patient's hips for alignment support.

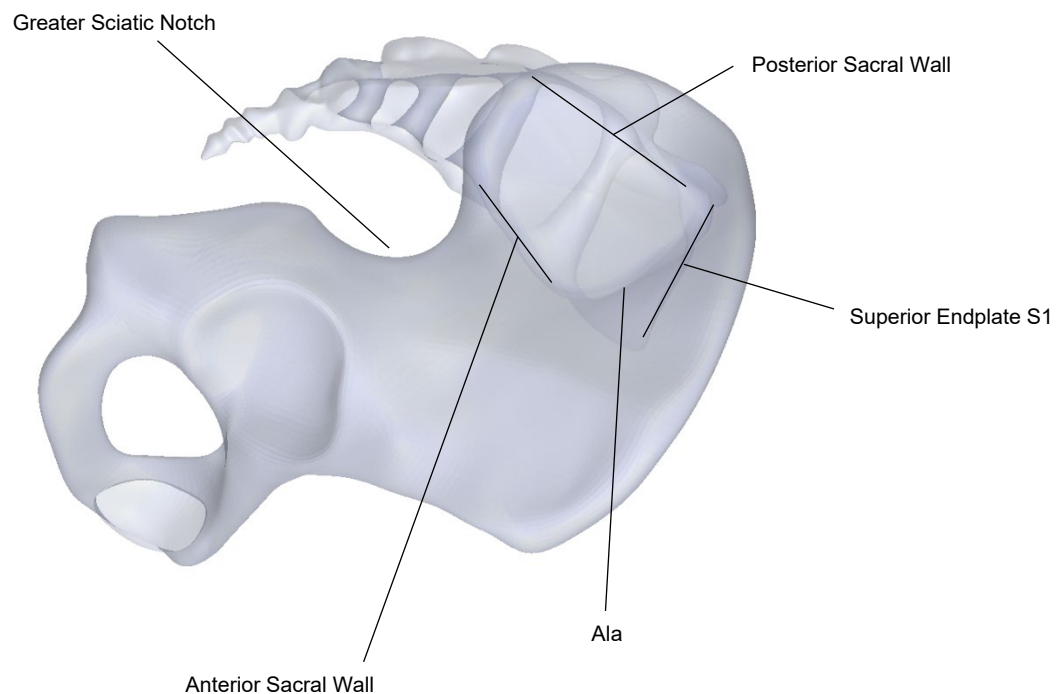
Due to the shape of the sacroiliac joint, and the variance between each patient's anatomy, the fluoroscopic images need to be confirmed in multiple views.

Proper orientation of the fluoroscope and identification of the sacroiliac joint boundaries is important for implantation safety and accuracy. Once patient positioning has been completed, make sure the C-arm can move freely to acquire the AP, AP Oblique Outlet, and Lateral views. To accomplish this, the C-arm base should be placed at a true right angle to the patient.

X-RAY IMAGING TECHNIQUE - LATERAL VIEW

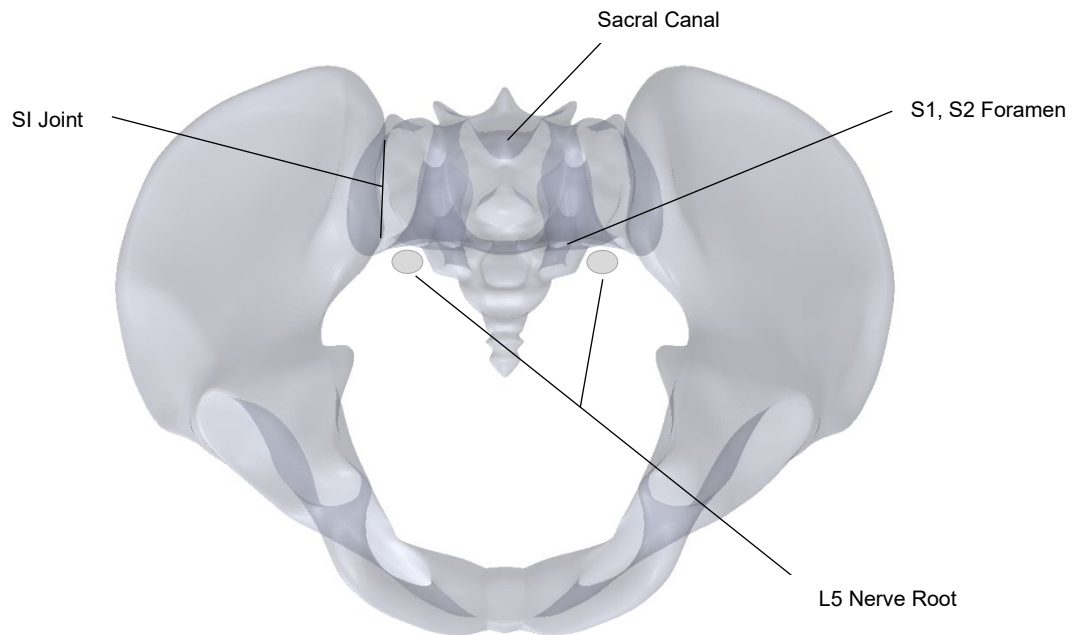
Fluoroscopy is positioned directly at the sacrum. The lateral view is useful in determining the implant depth and placement within the sacroiliac joint. This view shows the alar lines, posterior and anterior sacral walls, and the S1 endplate to be viewed. In addition, the greater sciatic notches and hip joints should be aligned. The joint has a rostral border called the alar slope line, which is produced by the ilio-cortical densities. The caudal border of the joint is 4mm-5mm above the greater sciatic notch and is 4mm-5mm rostral to the posterior inferior iliac spine, otherwise known as the PIIS. The anterior border of the joint is formed by a curvilinear line between the rostral and caudal borders.

If these markers are indistinct because of bowel gas or soft tissue size, the hips can be adjusted for orientation / alignment.



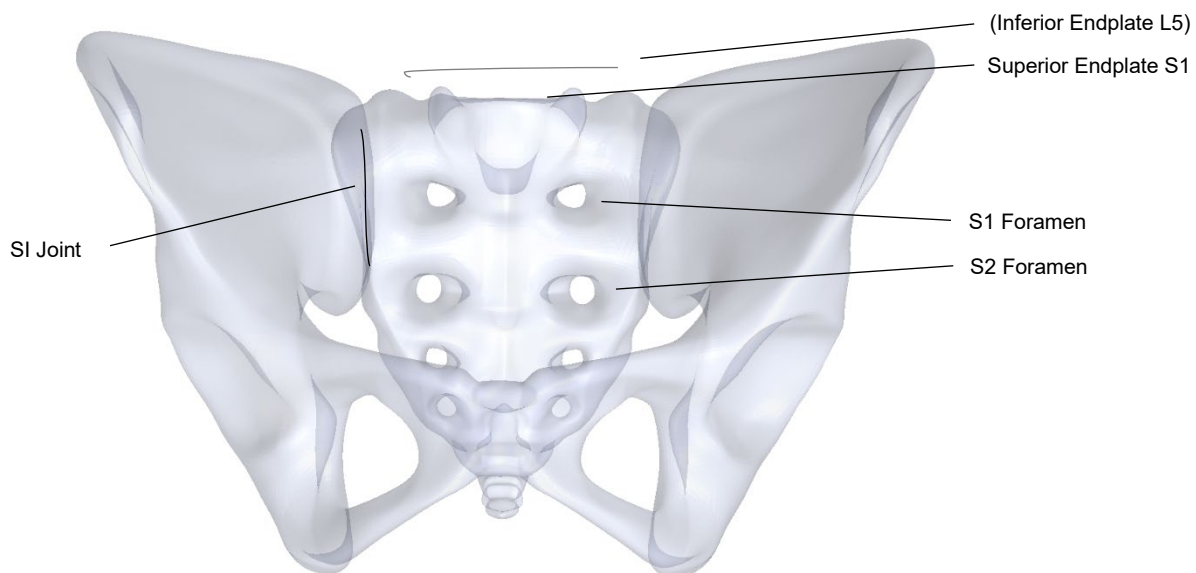
X-RAY IMAGING TECHNIQUE - AP INLET VIEW

Fluoroscopy is adjusted to 15-25 degrees oblique outlet cephalad, depending on patient anatomy and initial positioning. The AP scope of view should image the entire anterior column, from the superior acetabulum, across the SI joint, to the base of the L5-S1 disc space. This c-arm view allows the sacral foramen to be viewed in an open position. For true AP views, the patient rotation must be corrected.



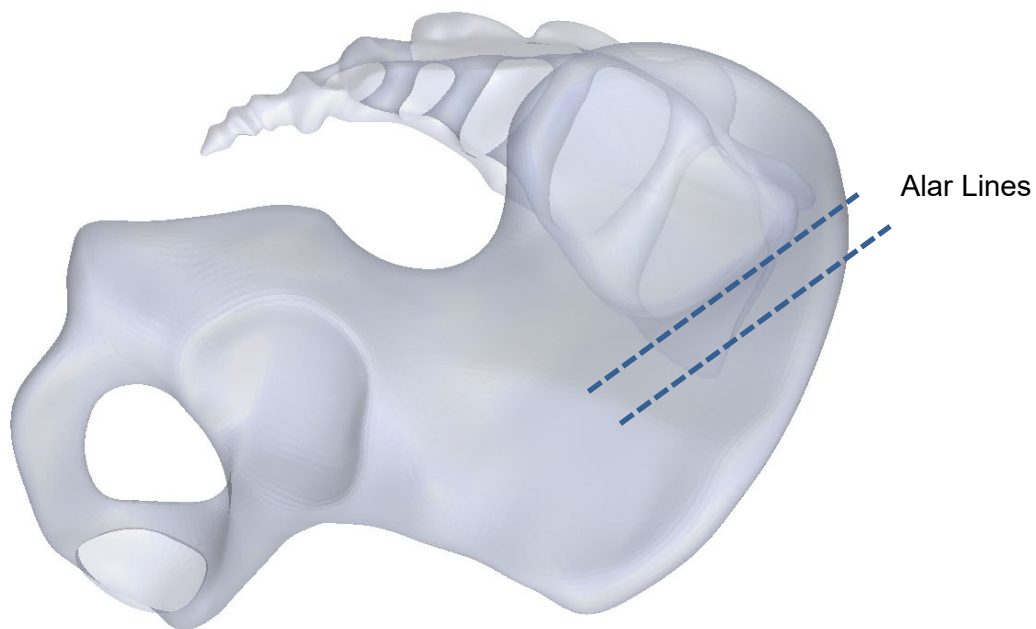
X-RAY IMAGING TECHNIQUE - AP OUTLET VIEW

With the C-arm in the AP position, fluoroscopy is then positioned 15-25 degrees oblique inlet caudal, which allows the pelvic brim to be viewed.

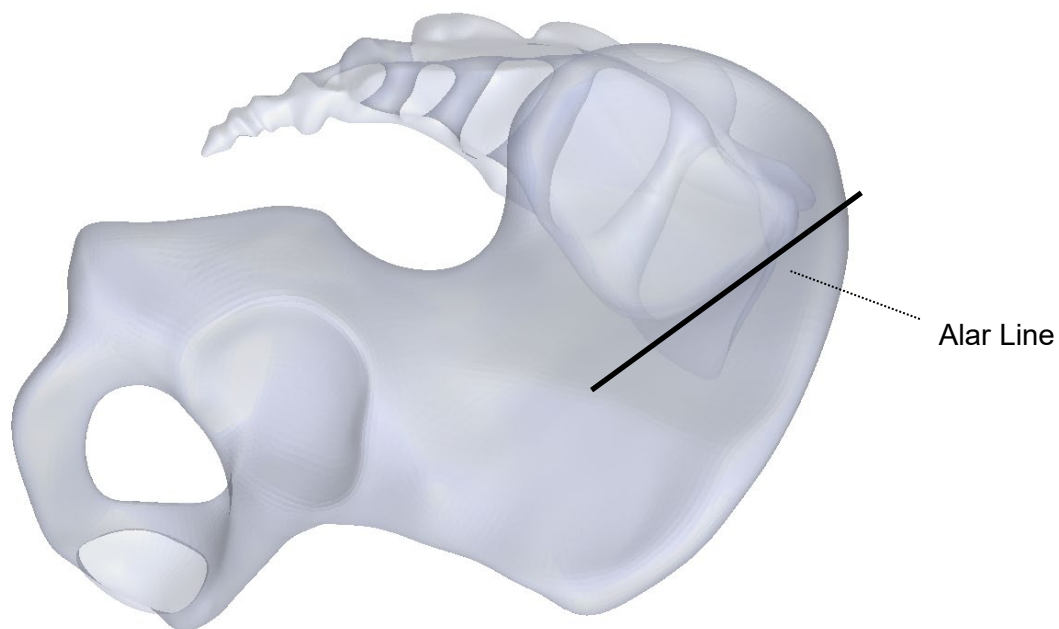


TARGETING INSTRUCTIONS

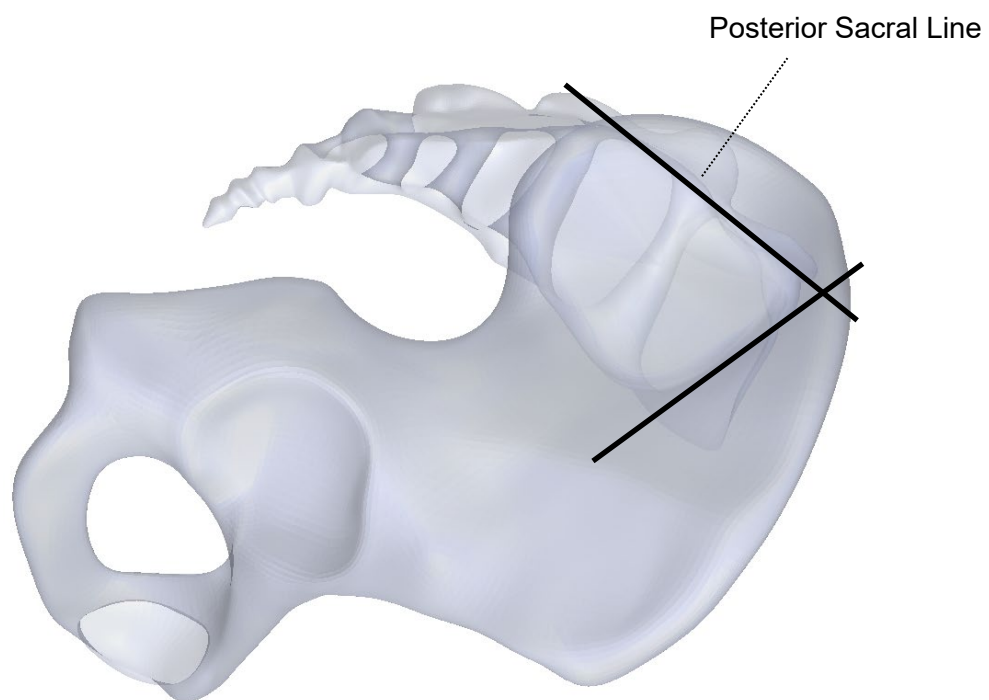
Position the fluoroscopy in a lateral view and identify both the alar lines. If needed, re-adjust the fluoroscopy to improve the “true lateral” view of the alar lines. Use a guide pin over the skin while taking images to help locate and mark the critical anatomy landmarks.



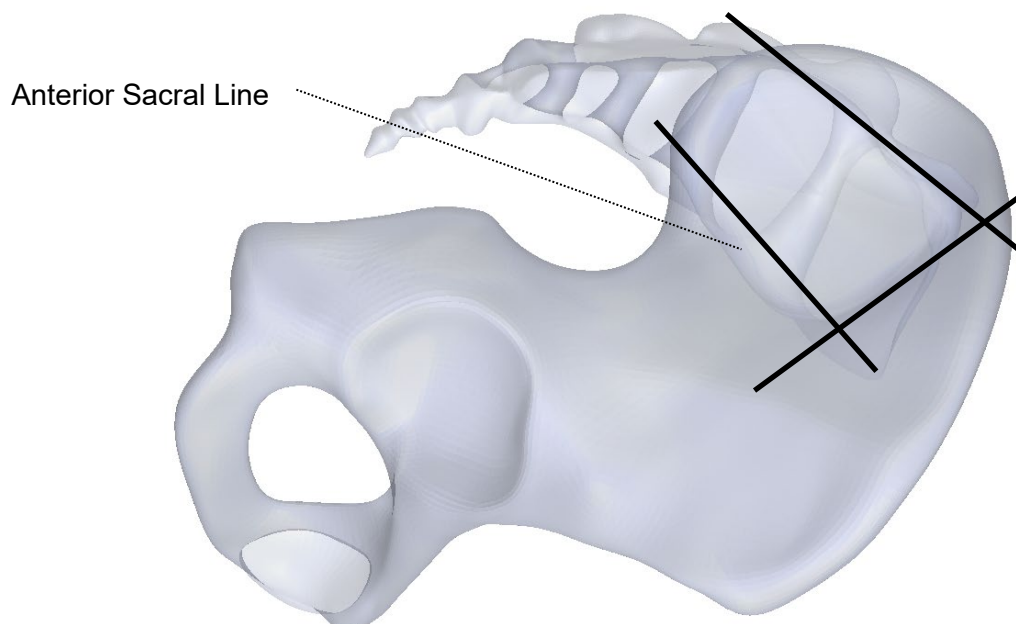
Outline along the inner Alar line with a marker.



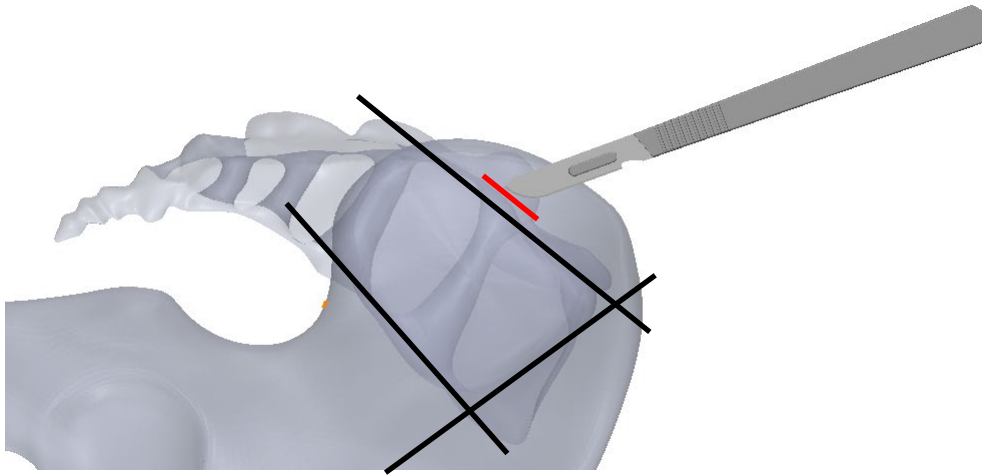
Locate the Posterior Sacral wall. Outline along the posterior sacral wall with a marker.



Optional: locate the Anterior Sacral wall. Outline along the anterior sacral wall with a marker.



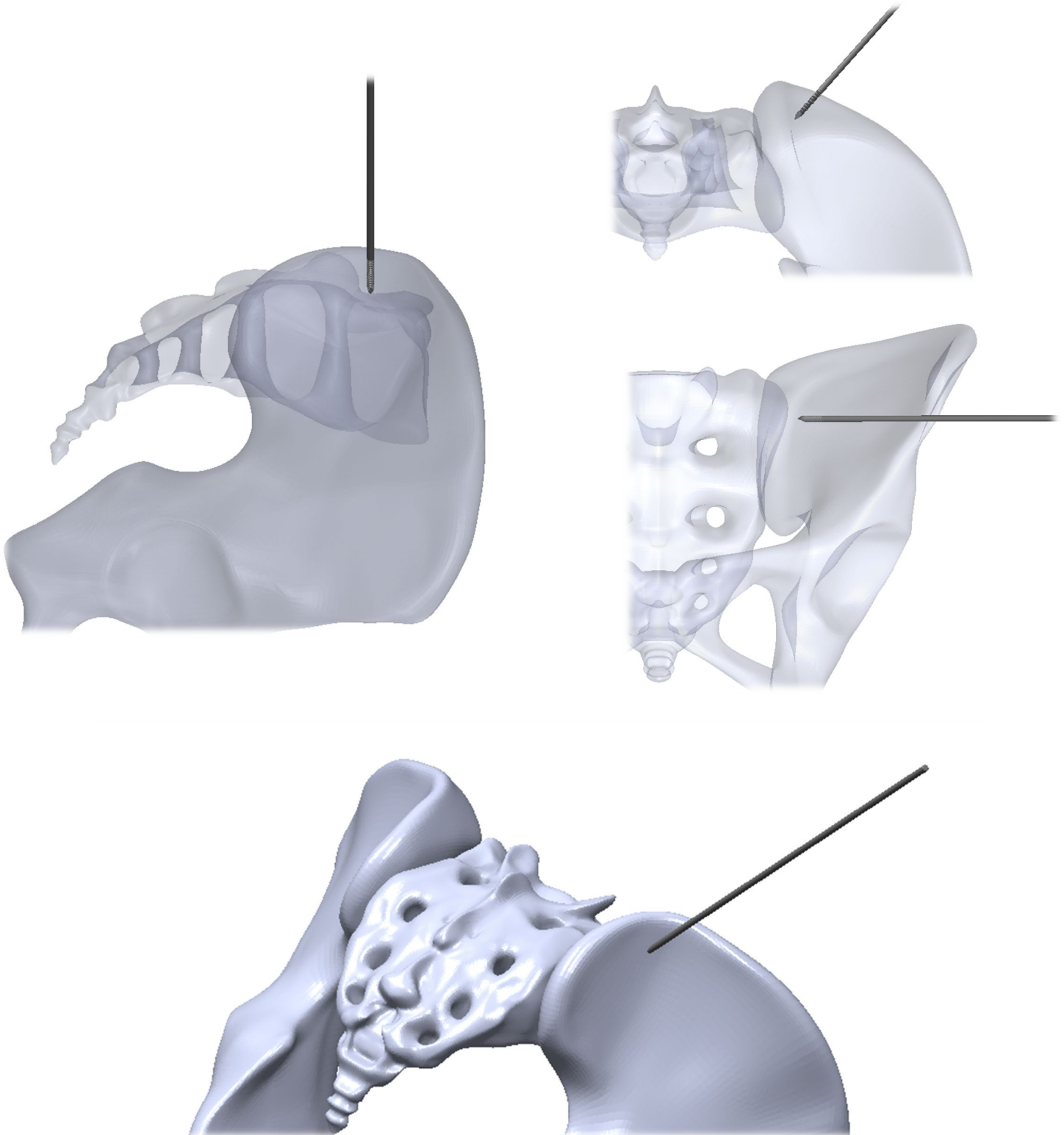
Make an incision approximately 20mm anterior to the marked posterior sacral wall, and approximately slightly above to the marked Alar Line Outline along the anterior sacral wall.



GUIDE PIN / SI TARGET TAP PLACEMENT

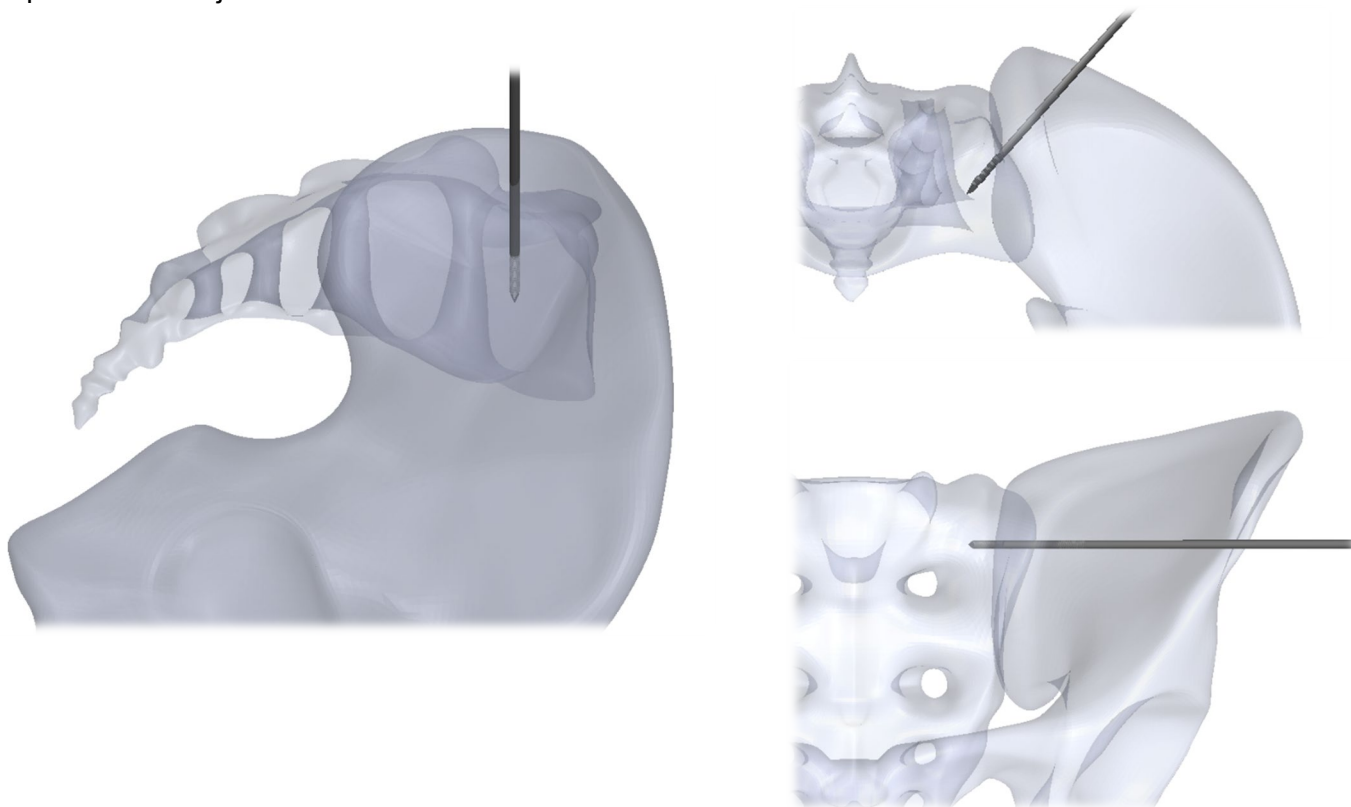
Position the guide pin approximately 20mm anterior of the posterior sacral wall and slightly above the alar line, through the incision. The trajectory of the pin should be 30-45 degrees lateral to medial, and 0 to 10 degrees cranial to caudal, depending on patient anatomy and approach preference.

Confirm initial placement of the pin in the lateral, outlet, and any other desired views.

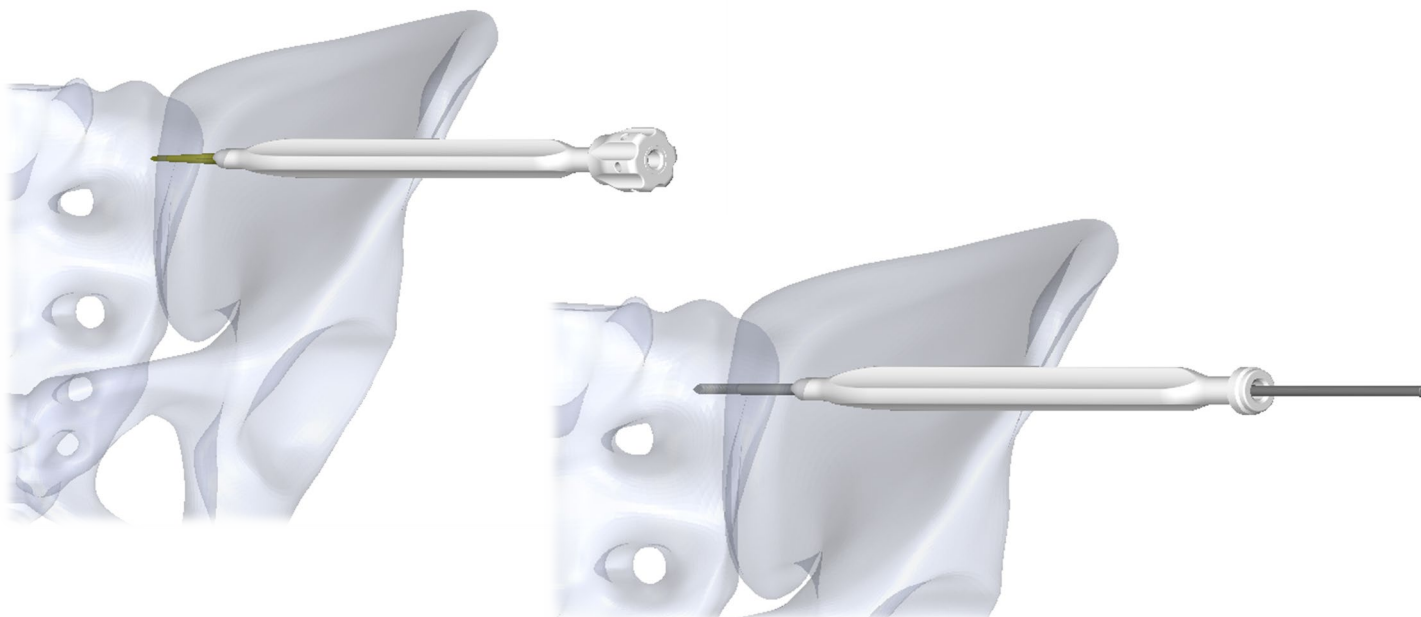


Once projection of the pin has been confirmed, advance the wire with a mallet to a desired depth. Images should be taken as the wire is advanced through the joint, confirming initial trajectory and final placement. When advancing the wire, the distal end of the guide pin should remain more than 10mm from the anterior sacral cortex.

A kocher can be used to hold the pin. A power drill with a pin collet may also be used to advance the pin across the joint.



A target tap can be used in a similar location and trajectory. Drive the tap until the outer sleeve docks into the iliac, and remove the inner sleeve. Insert a pin through the outer sleeve and through the joint, again using fluoroscopy as the pin is advanced to the desired depth.



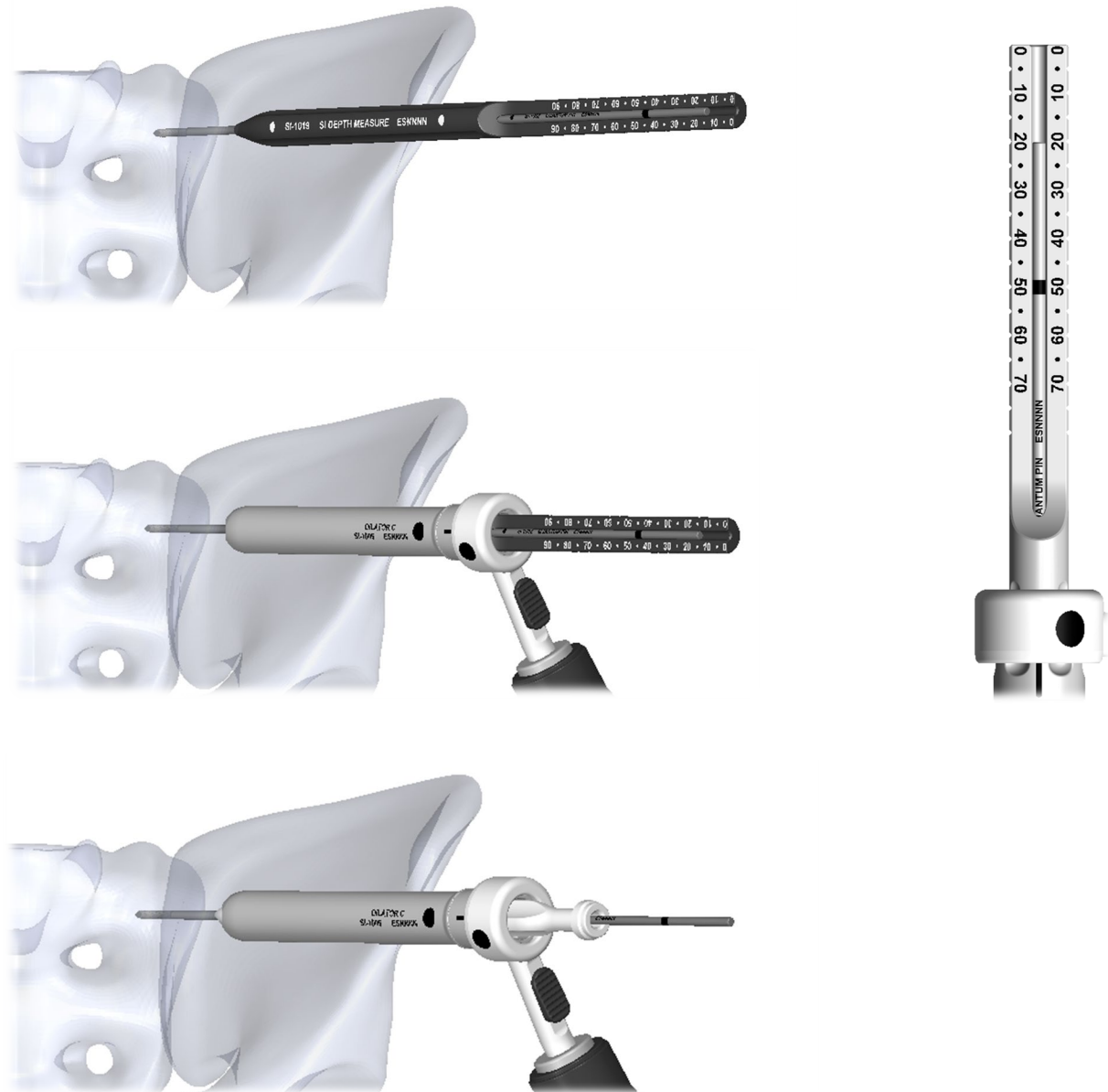
DILATION

Select the final dilator and fit over the pin and outer sleeve of the target tap. Advance the dilator over the pin and outer sleeve of the target tap until secure against the wall of the ilium.

The dilator adaptor handle can be fastened for better control of the final dilator.

The depth dilator may also be used prior to final dilation. Fit the depth dilator over the pin and push the dilator down by hand. This dilator has depth markings to record the current depth. The pin has a thick black line to indicate the current depth of the pin. Read the current depth marking and determine if this is the length of implant that will be used in this location. If you want to use a different length implant, you can either adjust the depth of the pin, or you can simply use a different length at the time of implantation.

Prior to dilation, a tissue spreader may be fitted over the pin to help expose the channel for the advancement of the dilators.



TAP / DRILL

Pre-Select the desired implant diameter. Attach the appropriate drill or tap to the desired connection.

Note: For hand use, attach a ratchet to the $\frac{1}{4}$ drive.

Note: Power unit must utilize a $\frac{1}{4}$ drive adaptor.

Fit the drill over the pin, and drill down to the desired depth, periodically checking the projection with fluoroscopy. Be sure not to drill past the tap or drill, as this will loosen the footing of the pin in the joint.

When removing the drill or tap, do not allow the pin to move or pull out. This pin is needed to guide the remaining steps of the procedure.



DEPTH STOPPER

Before using a drill, tap, or driver, you can install a depth stopper to the instruments. Apply by pushing the stopper sleeve over the desired length. The stopper will snap into place when seated to an appropriate depth setting.

There is a built-in window to indicate the measurement that has been selected.

When the instrument advances to the fixed depth, the installed stopper will restrict further advancement against the adaptor handle / final dilator.



SCREW DRIVER / IMPLANT

Select the appropriately sized implant and fasten it to the driver. The driver has a tapered fit to hold the implant in place, but bone wax may also be applied if desired. Additionally, the depth stopper may also be assembled to the driver prior to insertion.

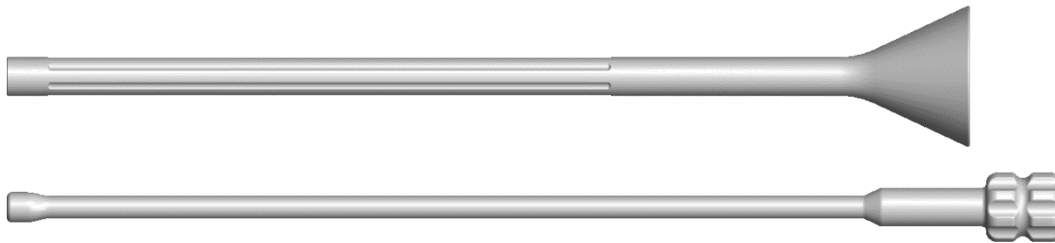
Fit the driver over the pin, through the final dilator, and advance the implant in a clockwise rotation to the desired depth. Implant final position should be about 3mm proud of the iliac wall. Periodically check the placement and projection with fluoroscopy prior to final positioning.



BIOLOGICS

Before and prior to implantation, biologics may be packed into the joint space, or on the implant. The implant is cannulated and has fenestration, grooves, and slots to allow bone to fuse through the implant. A bone funnel or syringe, or another device can be inserted through the final dilator and pressed into the joint.

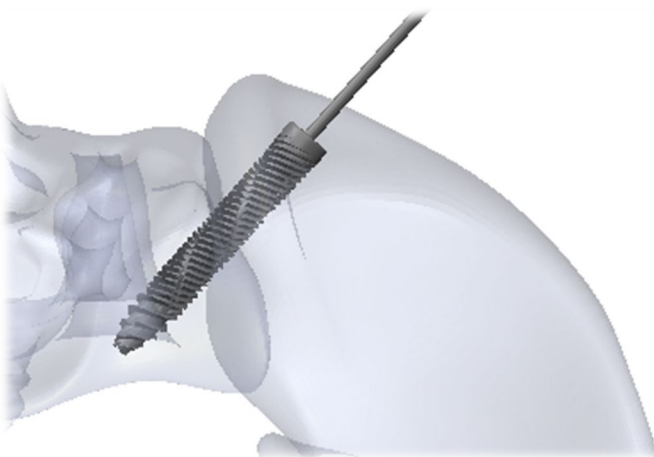
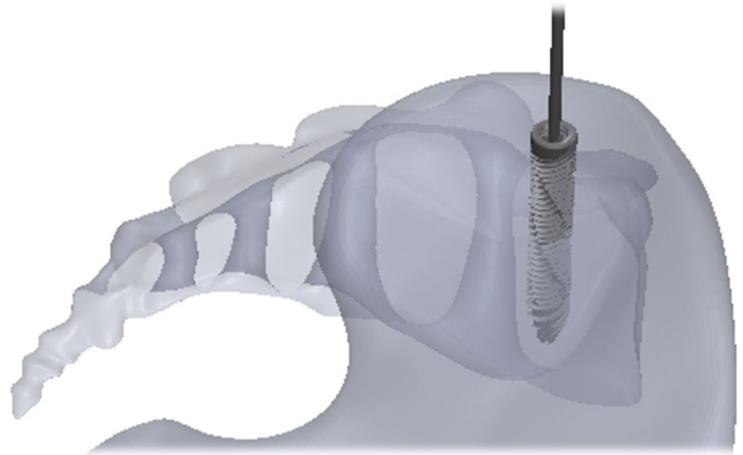
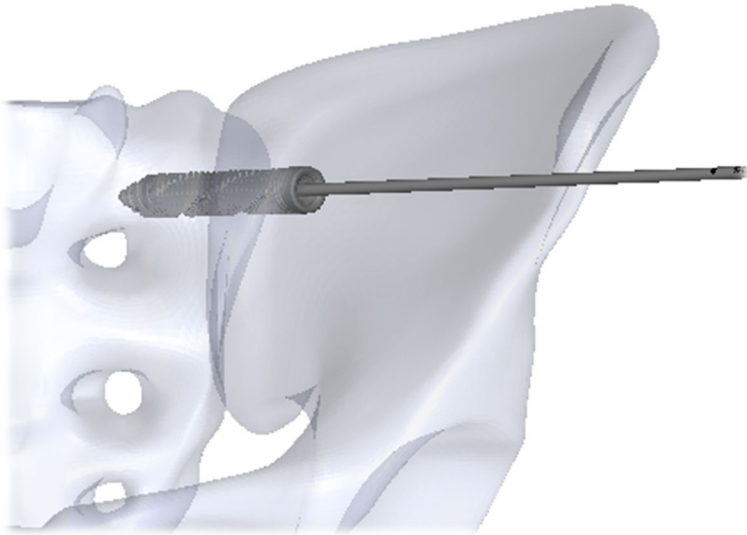
If the tap or drill can harvest patient bone, that autologous bone may be mixed into a biologic compound as well.



INSTRUMENT REMOVAL

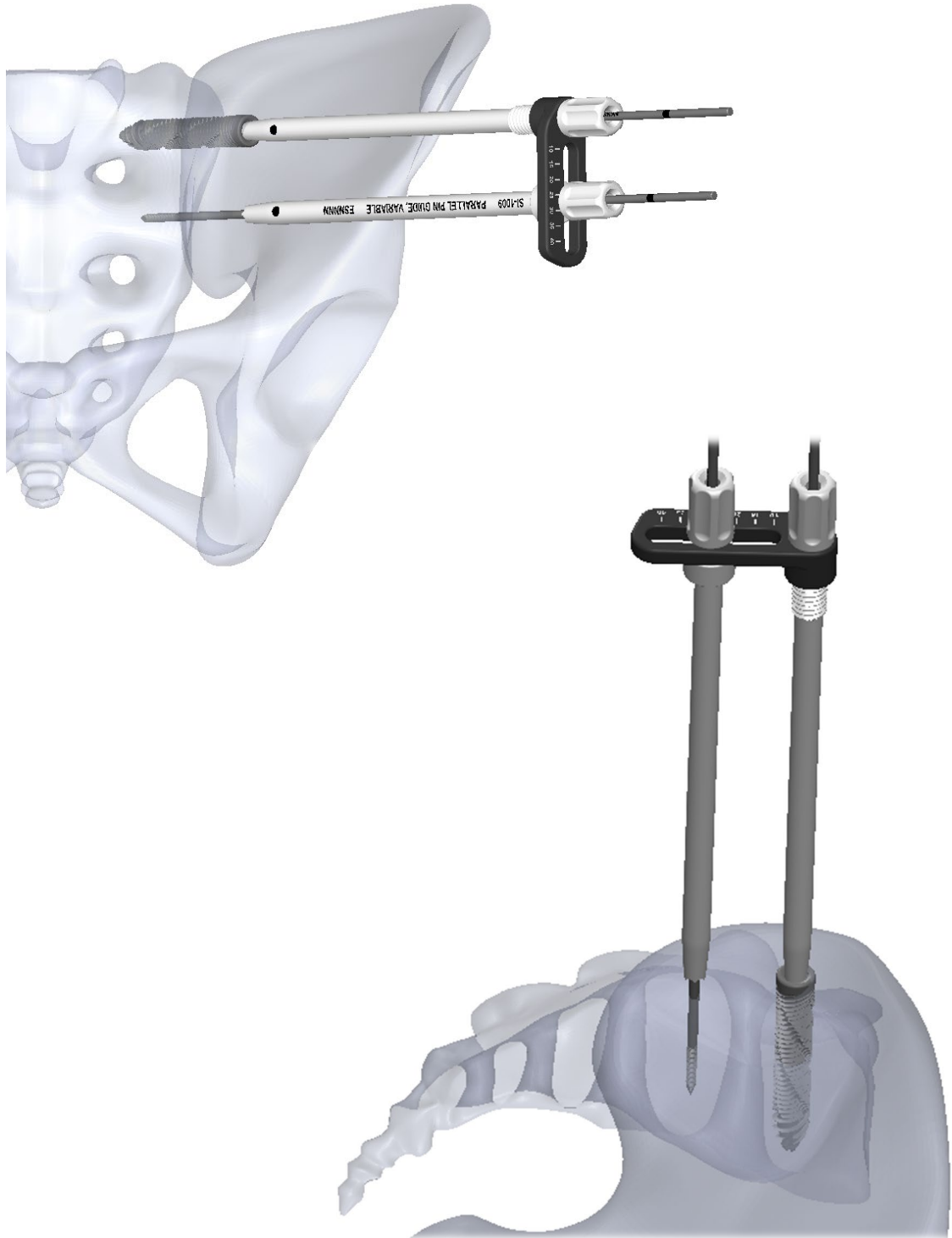
After proper placement of the first implant is confirmed via fluoroscopy, remove the driver and outer dilator.

Optional: If additional implants are to be inserted, keep the pin in place for parallel pin placement.



PARALLEL PIN GUIDE

Use the parallel pin guide to help align for the next implant. A per-determined distance can be set on the guide by moving the variable channel of the assembly. Once the distance is set, fit the fixed channel over the pin, and push all the way down to the bone. Insert a pin in the variable channel and repeat the implantation steps above.

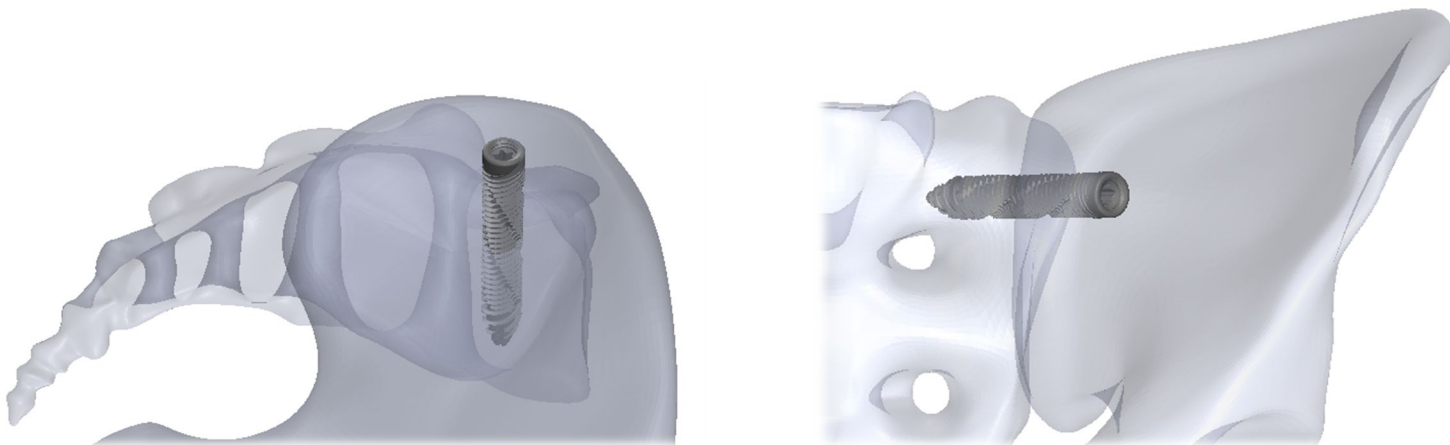


ADDITIONAL IMPLANTS

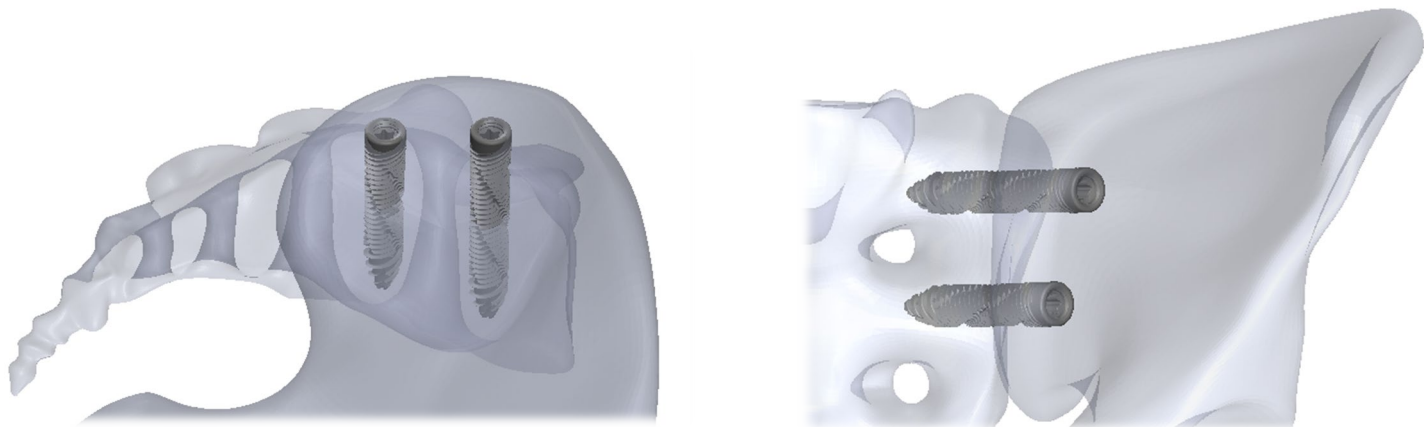
Several configurations of implants can be implanted. This can be achieved with or without the parallel guide, and with the variation of techniques offered. If any further implants are to be introduced, the previous steps must be repeated, again with fluoroscopy.

Below are some configurations available, but proper implant mapping will be dependent on patient anatomy, previous fusions, surgical preference, and many other factors listed in the Instructions for Use (IFU) literature.

1 Implant Option:



2 Implant Option:



IMPLANT REMOVAL

In the case of removal, first position the c-arm in a lateral view and identify the implant to be removed. Once the implant has been identified, make a small 10-20mm incision in the desired location.

Select a pin and reinsert through the center of the implant.

Fit dilators over the pin until secure on the Ilium.

Remove inner dilator.

Fit the driver over the pin and rotate counterclockwise until the implant has been fully removed.

IMPLANT CATALOG

Part #	Description
S0820	SI Screw, Machined Ti, Headed, 8.5 Diameter x 20mm Long
S0825	SI Screw, Machined Ti, Headed, 8.5 Diameter x 25mm Long
S0830	SI Screw, Machined Ti, Headed, 8.5 Diameter x 30mm Long
S0835	SI Screw, Machined Ti, Headed, 8.5 Diameter x 35mm Long
S0840	SI Screw, Machined Ti, Headed, 8.5 Diameter x 40mm Long
S0845	SI Screw, Machined Ti, Headed, 8.5 Diameter x 45mm Long
S0850	SI Screw, Machined Ti, Headed, 8.5 Diameter x 50mm Long
S0855	SI Screw, Machined Ti, Headed, 8.5 Diameter x 55mm Long
S0860	SI Screw, Machined Ti, Headed, 8.5 Diameter x 60mm Long
S0865	SI Screw, Machined Ti, Headed, 8.5 Diameter x 65mm Long
S0870	SI Screw, Machined Ti, Headed, 8.5 Diameter x 70mm Long
S0875	SI Screw, Machined Ti, Headed, 8.5 Diameter x 75mm Long
S0880	SI Screw, Machined Ti, Headed, 8.5 Diameter x 80mm Long
S0885	SI Screw, Machined Ti, Headed, 8.5 Diameter x 85mm Long
S0890	SI Screw, Machined Ti, Headed, 8.5 Diameter x 90mm Long
S1020	SI Screw, Machined Ti, Headed, 10.0 Diameter x 20mm Long
S1025	SI Screw, Machined Ti, Headed, 10.0 Diameter x 25mm Long
S1030	SI Screw, Machined Ti, Headed, 10.0 Diameter x 30mm Long
S1035	SI Screw, Machined Ti, Headed, 10.0 Diameter x 35mm Long
S1040	SI Screw, Machined Ti, Headed, 10.0 Diameter x 40mm Long
S1045	SI Screw, Machined Ti, Headed, 10.0 Diameter x 45mm Long
S1050	SI Screw, Machined Ti, Headed, 10.0 Diameter x 50mm Long
S1055	SI Screw, Machined Ti, Headed, 10.0 Diameter x 55mm Long
S1060	SI Screw, Machined Ti, Headed, 10.0 Diameter x 60mm Long
S1065	SI Screw, Machined Ti, Headed, 10.0 Diameter x 65mm Long
S1070	SI Screw, Machined Ti, Headed, 10.0 Diameter x 70mm Long
S1075	SI Screw, Machined Ti, Headed, 10.0 Diameter x 75mm Long
S1080	SI Screw, Machined Ti, Headed, 10.0 Diameter x 80mm Long
S1085	SI Screw, Machined Ti, Headed, 10.0 Diameter x 85mm Long
S1090	SI Screw, Machined Ti, Headed, 10.0 Diameter x 90mm Long
S1220	SI Screw, Machined Ti, Headed, 11.5 Diameter x 20mm Long
S1225	SI Screw, Machined Ti, Headed, 11.5 Diameter x 25mm Long
S1230	SI Screw, Machined Ti, Headed, 11.5 Diameter x 30mm Long
S1235	SI Screw, Machined Ti, Headed, 11.5 Diameter x 35mm Long
S1240	SI Screw, Machined Ti, Headed, 11.5 Diameter x 40mm Long
S1245	SI Screw, Machined Ti, Headed, 11.5 Diameter x 45mm Long
S1250	SI Screw, Machined Ti, Headed, 11.5 Diameter x 50mm Long
S1255	SI Screw, Machined Ti, Headed, 11.5 Diameter x 55mm Long
S1260	SI Screw, Machined Ti, Headed, 11.5 Diameter x 60mm Long
S1265	SI Screw, Machined Ti, Headed, 11.5 Diameter x 65mm Long
S1270	SI Screw, Machined Ti, Headed, 11.5 Diameter x 70mm Long
S1275	SI Screw, Machined Ti, Headed, 11.5 Diameter x 75mm Long
S1280	SI Screw, Machined Ti, Headed, 11.5 Diameter x 80mm Long
S1285	SI Screw, Machined Ti, Headed, 11.5 Diameter x 85mm Long
S1290	SI Screw, Machined Ti, Headed, 11.5 Diameter x 90mm Long
S1420	SI Screw, Machined Ti, Headed, 13.0 Diameter x 20mm Long
S1425	SI Screw, Machined Ti, Headed, 13.0 Diameter x 25mm Long
S1430	SI Screw, Machined Ti, Headed, 13.0 Diameter x 30mm Long
S1435	SI Screw, Machined Ti, Headed, 13.0 Diameter x 35mm Long
S1440	SI Screw, Machined Ti, Headed, 13.0 Diameter x 40mm Long
S1445	SI Screw, Machined Ti, Headed, 13.0 Diameter x 45mm Long
S1450	SI Screw, Machined Ti, Headed, 13.0 Diameter x 50mm Long
S1455	SI Screw, Machined Ti, Headed, 13.0 Diameter x 55mm Long
S1460	SI Screw, Machined Ti, Headed, 13.0 Diameter x 60mm Long
S1465	SI Screw, Machined Ti, Headed, 13.0 Diameter x 65mm Long

S1470	SI Screw, Machined Ti, Headed, 13.0 Diameter x 70mm Long
S1475	SI Screw, Machined Ti, Headed, 13.0 Diameter x 75mm Long
S1480	SI Screw, Machined Ti, Headed, 13.0 Diameter x 80mm Long
S1485	SI Screw, Machined Ti, Headed, 13.0 Diameter x 85mm Long
S1490	SI Screw, Machined Ti, Headed, 13.0 Diameter x 90mm Long
SH0785	SI Screw, Machined Ti, Headless, 8.0 Diameter x 85mm Long
SH0790	SI Screw, Machined Ti, Headless, 8.0 Diameter x 90mm Long
SH0820	SI Screw, Machined Ti, Headless, 8.5 Diameter x 20mm Long
SH0825	SI Screw, Machined Ti, Headless, 8.5 Diameter x 25mm Long
SH0830	SI Screw, Machined Ti, Headless, 8.5 Diameter x 30mm Long
SH0835	SI Screw, Machined Ti, Headless, 8.5 Diameter x 35mm Long
SH0840	SI Screw, Machined Ti, Headless, 8.5 Diameter x 40mm Long
SH0845	SI Screw, Machined Ti, Headless, 8.5 Diameter x 45mm Long
SH0850	SI Screw, Machined Ti, Headless, 8.5 Diameter x 50mm Long
SH0855	SI Screw, Machined Ti, Headless, 8.5 Diameter x 55mm Long
SH0860	SI Screw, Machined Ti, Headless, 8.5 Diameter x 60mm Long
SH0865	SI Screw, Machined Ti, Headless, 8.5 Diameter x 65mm Long
SH0870	SI Screw, Machined Ti, Headless, 8.5 Diameter x 70mm Long
SH0875	SI Screw, Machined Ti, Headless, 8.5 Diameter x 75mm Long
SH0880	SI Screw, Machined Ti, Headless, 8.5 Diameter x 80mm Long
SH0885	SI Screw, Machined Ti, Headless, 8.5 Diameter x 85mm Long
SH0890	SI Screw, Machined Ti, Headless, 8.5 Diameter x 90mm Long
SH1020	SI Screw, Machined Ti, Headless, 10.0 Diameter x 20mm Long
SH1025	SI Screw, Machined Ti, Headless, 10.0 Diameter x 25mm Long
SH1030	SI Screw, Machined Ti, Headless, 10.0 Diameter x 30mm Long
SH1035	SI Screw, Machined Ti, Headless, 10.0 Diameter x 35mm Long
SH1040	SI Screw, Machined Ti, Headless, 10.0 Diameter x 40mm Long
SH1045	SI Screw, Machined Ti, Headless, 10.0 Diameter x 45mm Long
SH1050	SI Screw, Machined Ti, Headless, 10.0 Diameter x 50mm Long
SH1055	SI Screw, Machined Ti, Headless, 10.0 Diameter x 55mm Long
SH1060	SI Screw, Machined Ti, Headless, 10.0 Diameter x 60mm Long
SH1065	SI Screw, Machined Ti, Headless, 10.0 Diameter x 65mm Long
SH1070	SI Screw, Machined Ti, Headless, 10.0 Diameter x 70mm Long
SH1075	SI Screw, Machined Ti, Headless, 10.0 Diameter x 75mm Long
SH1080	SI Screw, Machined Ti, Headless, 10.0 Diameter x 80mm Long
SH1085	SI Screw, Machined Ti, Headless, 10.0 Diameter x 85mm Long
SH1090	SI Screw, Machined Ti, Headless, 10.0 Diameter x 90mm Long
SH1220	SI Screw, Machined Ti, Headless, 11.5 Diameter x 20mm Long
SH1225	SI Screw, Machined Ti, Headless, 11.5 Diameter x 25mm Long
SH1230	SI Screw, Machined Ti, Headless, 11.5 Diameter x 30mm Long
SH1235	SI Screw, Machined Ti, Headless, 11.5 Diameter x 35mm Long
SH1240	SI Screw, Machined Ti, Headless, 11.5 Diameter x 40mm Long
SH1245	SI Screw, Machined Ti, Headless, 11.5 Diameter x 45mm Long
SH1250	SI Screw, Machined Ti, Headless, 11.5 Diameter x 50mm Long
SH1255	SI Screw, Machined Ti, Headless, 11.5 Diameter x 55mm Long
SH1260	SI Screw, Machined Ti, Headless, 11.5 Diameter x 60mm Long
SH1265	SI Screw, Machined Ti, Headless, 11.5 Diameter x 65mm Long
SH1270	SI Screw, Machined Ti, Headless, 11.5 Diameter x 70mm Long
SH1275	SI Screw, Machined Ti, Headless, 11.5 Diameter x 75mm Long
SH1280	SI Screw, Machined Ti, Headless, 11.5 Diameter x 80mm Long
SH1285	SI Screw, Machined Ti, Headless, 11.5 Diameter x 85mm Long
SH1290	SI Screw, Machined Ti, Headless, 11.5 Diameter x 90mm Long
SH1420	SI Screw, Machined Ti, Headless, 13.0 Diameter x 20mm Long
SH1425	SI Screw, Machined Ti, Headless, 13.0 Diameter x 25mm Long
SH1430	SI Screw, Machined Ti, Headless, 13.0 Diameter x 30mm Long
SH1435	SI Screw, Machined Ti, Headless, 13.0 Diameter x 35mm Long
SH1440	SI Screw, Machined Ti, Headless, 13.0 Diameter x 40mm Long
SH1445	SI Screw, Machined Ti, Headless, 13.0 Diameter x 45mm Long
SH1450	SI Screw, Machined Ti, Headless, 13.0 Diameter x 50mm Long
SH1455	SI Screw, Machined Ti, Headless, 13.0 Diameter x 55mm Long

SH1460	SI Screw, Machined Ti, Headless, 13.0 Diameter x 60mm Long
SH1465	SI Screw, Machined Ti, Headless, 13.0 Diameter x 65mm Long
SH1470	SI Screw, Machined Ti, Headless, 13.0 Diameter x 70mm Long
SH1475	SI Screw, Machined Ti, Headless, 13.0 Diameter x 75mm Long
SH1480	SI Screw, Machined Ti, Headless, 13.0 Diameter x 80mm Long
SH1485	SI Screw, Machined Ti, Headless, 13.0 Diameter x 85mm Long
SH1490	SI Screw, Machined Ti, Headless, 13.0 Diameter x 90mm Long
S30820	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 20mm Long
S30825	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 25mm Long
S30830	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 30mm Long
S30835	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 35mm Long
S30840	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 40mm Long
S30845	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 45mm Long
S30850	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 50mm Long
S30855	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 55mm Long
S30860	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 60mm Long
S30865	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 65mm Long
S30870	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 70mm Long
S30875	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 75mm Long
S30880	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 80mm Long
S30885	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 85mm Long
S30890	SI Screw, 3D Printed Ti, Headed, 8.5 Diameter x 90mm Long
S31020	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 20mm Long
S31025	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 25mm Long
S31030	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 30mm Long
S31035	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 35mm Long
S31040	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 40mm Long
S31045	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 45mm Long
S31050	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 50mm Long
S31055	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 55mm Long
S31060	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 60mm Long
S31065	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 65mm Long
S31070	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 70mm Long
S31075	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 75mm Long
S31080	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 80mm Long
S31085	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 85mm Long
S31090	SI Screw, 3D Printed Ti, Headed, 10.0 Diameter x 90mm Long
S31220	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 20mm Long
S31225	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 25mm Long
S31230	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 30mm Long
S31235	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 35mm Long
S31240	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 40mm Long
S31245	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 45mm Long
S31250	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 50mm Long
S31255	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 55mm Long
S31260	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 60mm Long
S31265	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 65mm Long
S31270	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 70mm Long
S31275	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 75mm Long
S31280	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 80mm Long
S31285	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 85mm Long
S31290	SI Screw, 3D Printed Ti, Headed, 11.5 Diameter x 90mm Long
S31420	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 20mm Long
S31425	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 25mm Long
S31430	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 30mm Long
S31435	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 35mm Long
S31440	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 40mm Long
S31445	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 45mm Long
S31450	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 50mm Long
S31455	SI Screw, 3D Printed Ti, Headed, 13.0 Diameter x 55mm Long

[illegible]

S3H1460	SI Screw, 3D Printed Ti, Headless, 13.0 Diameter x 60mm Long
S3H1465	SI Screw, 3D Printed Ti, Headless, 13.0 Diameter x 65mm Long
S3H1470	SI Screw, 3D Printed Ti, Headless, 13.0 Diameter x 70mm Long
S3H1475	SI Screw, 3D Printed Ti, Headless, 13.0 Diameter x 75mm Long
S3H1480	SI Screw, 3D Printed Ti, Headless, 13.0 Diameter x 80mm Long
S3H1485	SI Screw, 3D Printed Ti, Headless, 13.0 Diameter x 85mm Long
S3H1490	SI Screw, 3D Printed Ti, Headless, 13.0 Diameter x 90mm Long
SC07	SI Locking Crown, Machined Ti, Variable, 8.0mm Screw
SC08	SI Locking Crown, Machined Ti, Variable, 8.5mm Screw
SC10	SI Locking Crown, Machined Ti, Variable, 10.0mm Screw
SC12	SI Locking Crown, Machined Ti, Variable, 11.5mm Screw
SC14	SI Locking Crown, Machined Ti, Variable, 13.0mm Screw
S3C07	SI Locking Crown, 3D Printed Ti, Variable, 8.0mm Screw
S3C08	SI Locking Crown, 3D Printed Ti, Variable, 8.5mm Screw
S3C10	SI Locking Crown, 3D Printed Ti, Variable, 10.0mm Screw
S3C12	SI Locking Crown, 3D Printed Ti, Variable, 11.5mm Screw
S3C14	SI Locking Crown, 3D Printed Ti, Variable, 13.0mm Screw
SF07	SI Locking Fang, Machined Ti, 8.0mm Screw
SF08	SI Locking Fang, Machined Ti, 8.5mm Screw
SF10	SI Locking Fang, Machined Ti, 10.0mm Screw
SF12	SI Locking Fang, Machined Ti, 11.5mm Screw
SF14	SI Locking Fang, Machined Ti, 13.0mm Screw
S3F07	SI Locking Fang, 3D Printed Ti, 8.0mm Screw
S3F08	SI Locking Fang, 3D Printed Ti, 8.5mm Screw
S3F10	SI Locking Fang, 3D Printed Ti, 10.0mm Screw
S3F12	SI Locking Fang, 3D Printed Ti, 11.5mm Screw
S3F14	SI Locking Fang, 3D Printed Ti, 13.0mm Screw

INSTRUMENT CATALOG

Part #	Description
SI-105	SI Screw Tray
SI-1001	SI Target Tap
SI-1001F	SI Target Tap, Radiolucent
SI-1002	SI Pin, 2.8mm Diameter, 11" Long, Trocar Tip, Threaded
SI-1002L	SI Pin, 2.8mm Diameter, 16" Long, Trocar Tip, Threaded
SI-1004	SI Depth Measure, Dilator A
SI-1005	SI Final Dilator
SI-1006-08	SI Drill, 8.0 Diameter, Cannulated
SI-1006-10	SI Drill, 10.0 Diameter, Cannulated
SI-1006-12	SI Drill, 12.0 Diameter, Cannulated
SI-1007-08	SI Tap, 8.0 Diameter, Cannulated
SI-1007-10	SI Tap, 10.0 Diameter, Cannulated
SI-1007-12	SI Tap, 12.0 Diameter, Cannulated
SI-1008	SI Tissue Spreader
SI-1009	SI Parallel Guide
SI-1010	SI Screw Driver, Cannulated
SI-1011	SI Screw Depth Stopper
SI-1012	SI Screw Caddy, 8.5mm Diameter Screws
SI-1013	SI Screw Caddy, 10.0mm Diameter Screws
SI-1014	SI Screw Caddy, 11.5mm Diameter Screws
SI-1015	SI Screw Caddy, 13.0mm Diameter Screws
SI-1016	SI Pin Holder
SI-1017	SI Final Dilator, Posterior
SI-1018	SI Pin, 2.8mm Diameter, 11" Long, Blunt Tip, Threaded
SI-1019	Depth Dilator, Radiolucent
SI-1020	SI Final Dilator, Posterior - Offset
AS-1200	Lumbar Mallet
DB-1087	Adaptor Handle
ES-802	1/4 Drive Ratchet, T-Handle
ES-803	1/4 Drive Ratchet, I-Handle
ES-804	1/4 Drive Ratchet, Palm Handle

NOTES