

Stratum® Ankle Fusion Plating System

Surgical Technique



Stratum Ankle Fusion Plating System

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Stratum Ankle Fusion Plating System

Instructions for Use

INDICATIONS:

The Stratum Ankle Fusion Plating System is indicated for use in stabilization and fixation of fractures or osteotomies, intra and extra articular fractures, and multi-fragmentary fractures, revision procedures, non-union and malunion, joint fusion and reconstruction of small bones of the feet and ankles including the distal tibia, talus, and calcaneus.

CONTRAINDICATIONS:

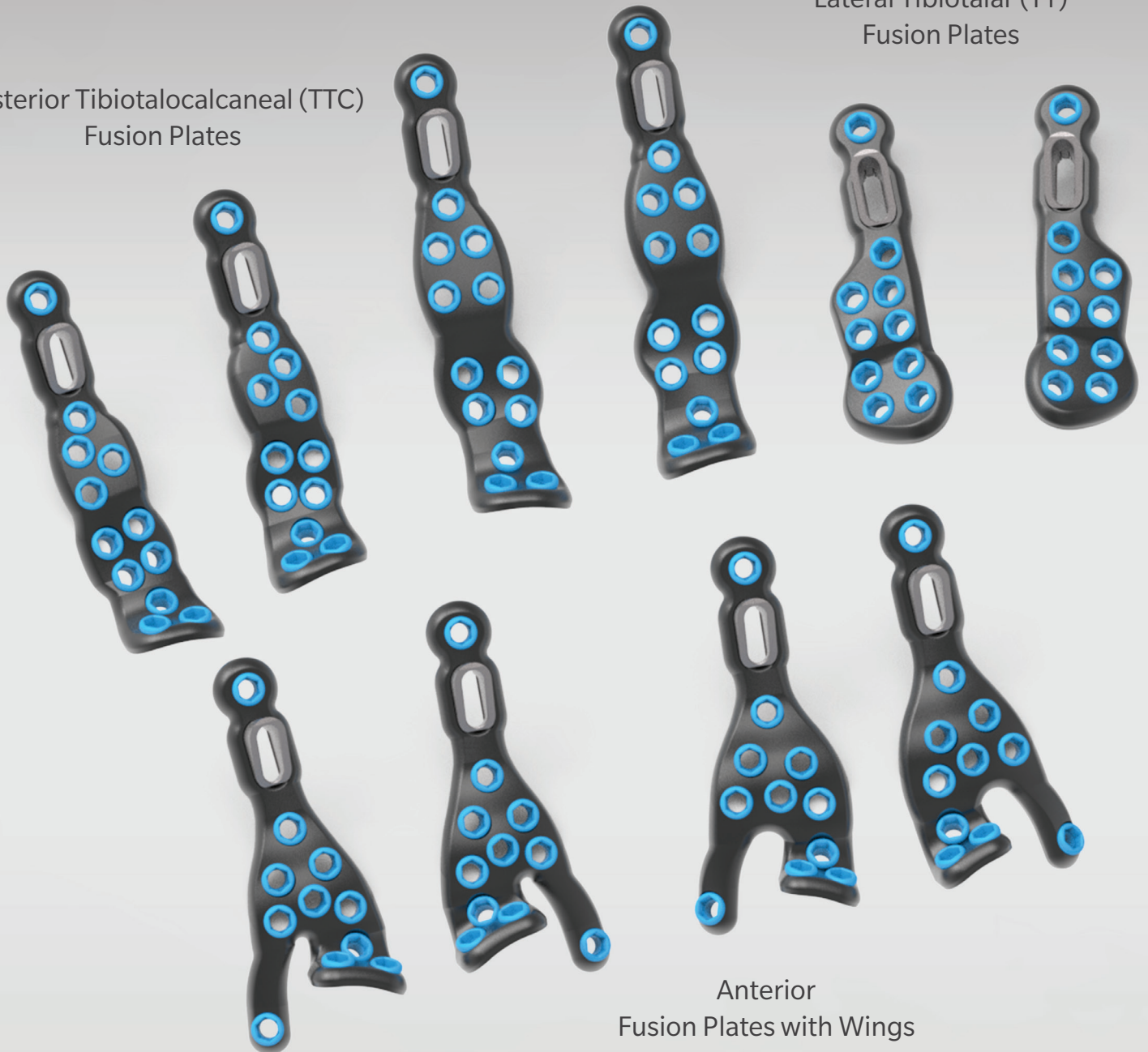
- Patient conditions including insufficient quantity or quality of bone and/or soft tissue
- Blood supply limitations and previous or active infections that may inhibit healing.
- Surgical procedures other than for the indications listed.
- Patients with conditions that limit their ability or willingness to follow postoperative care instructions.
- Material sensitivity

Stratum Ankle Fusion Plating System

A Symphony for Foot and Ankle Repair[®]

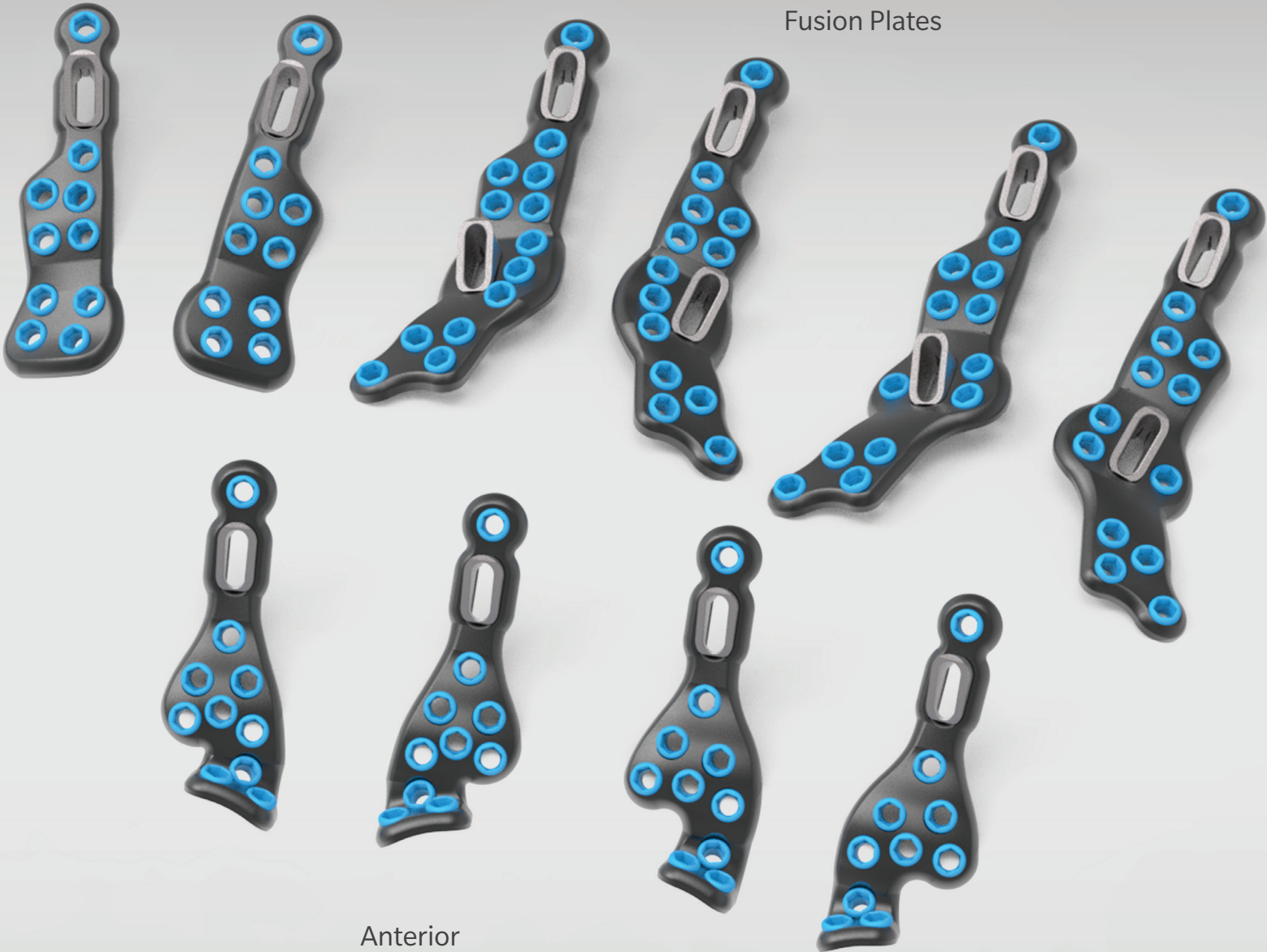
Lateral Tibiotalar (TT)
Fusion Plates

Posterior Tibiototalcaneal (TTC)
Fusion Plates



Anterior
Fusion Plates with Wings

Lateral Tibiotalocalcaneal (TTC)
Fusion Plates

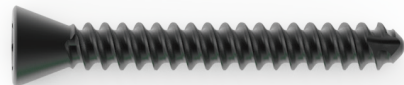


Anterior
Fusion Plates

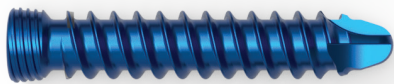
Stratum Ankle Fusion Plating System Screw Options



3.5mm Locking Cortical



3.5mm Non-Locking Low Profile



5.0mm Locking Cortical



5.0mm Non-Locking Low Profile

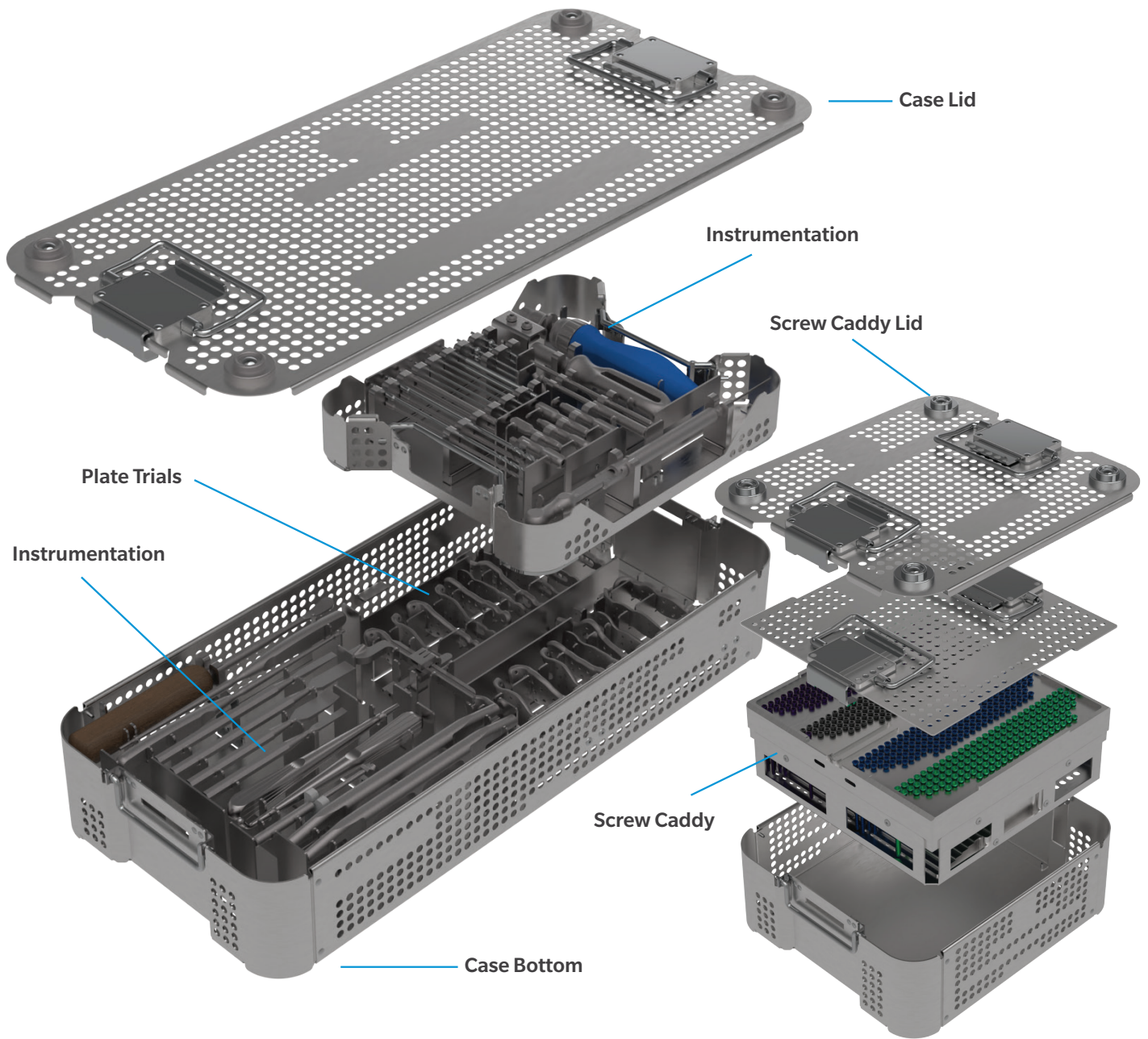


6.0mm Crossing Screw

Screw Options

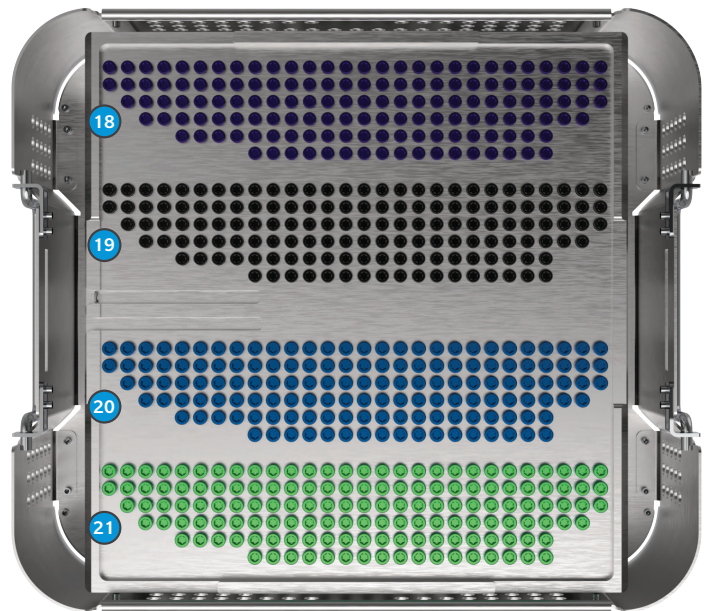
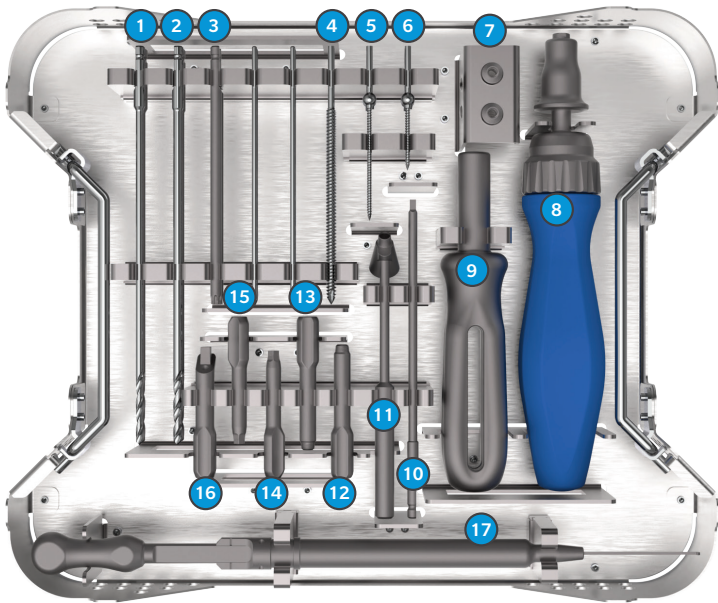
Diameter	Drill Size	Screw Type	Part No. Family	Length	Color
3.5mm	2.7mm	Locking - Non-Sterile	SALS35XXNS	16mm-70mm	Purple
3.5mm	2.7mm	Non-Locking - Non-Sterile	SANLS35XXNS	16mm-70mm	Dark Gray
5.0mm	3.5mm	Locking - Non-Sterile	SALS50XXNS	16mm-70mm	Blue
5.0mm	3.5mm	Non-Locking - Non-Sterile	SANLS50XXNS	16mm-70mm	Green
6.0mm	4.5mm	Crossing Screw - Sterile	SACAN60XX	26mm-90mm	Dark Gray

Stratum Ankle Fusion Plating System Standard Instrument Kit



Part No.	Description	Part No.	Description
SACRSCSLID	Crossing Screw Inst Case Lid	SASCREWCAD	Screw Caddy
SACRSSTRAY	Crossing Screw Inst Case Tray	SAINSTLID	Inst. Case Lid
SASCCASELID	Screw Caddy Case Lid	SAINSTINTRY	Inst. Case Inner Tray
SASCCASE	Screw Caddy Case	SAINSTTRY	Inst. Case Tray
SASCLID	Screw Caddy Lid	-	-

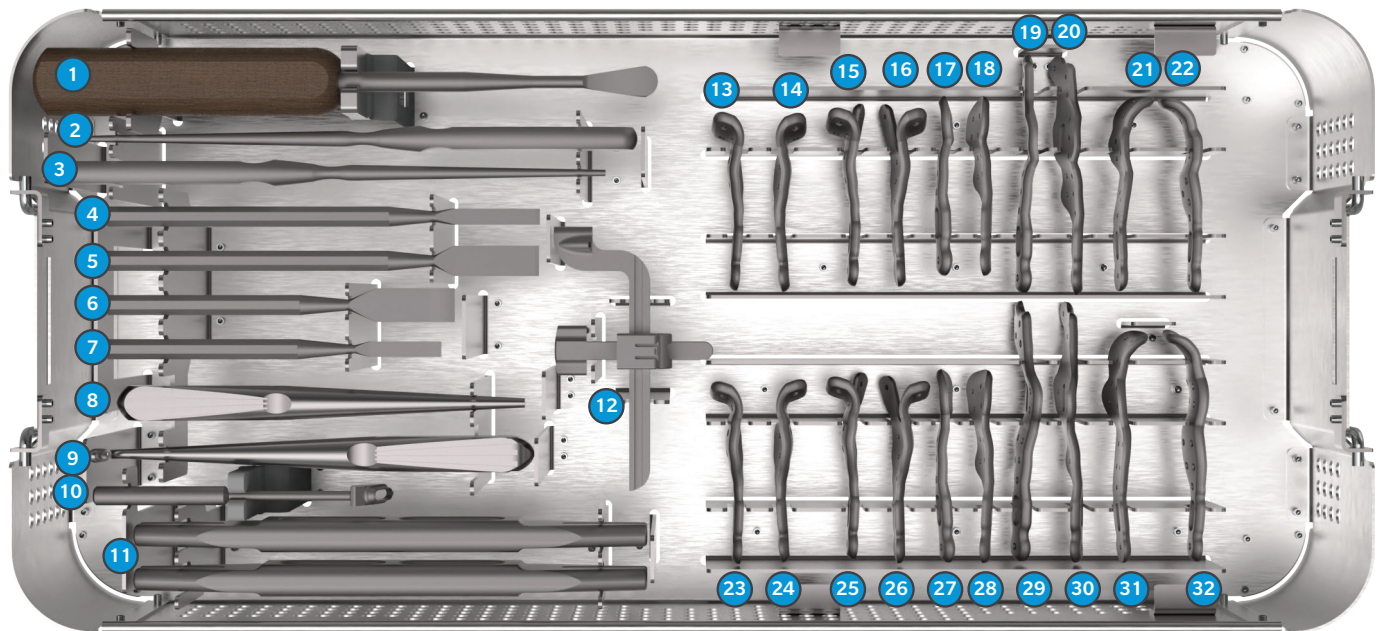
Stratum Ankle Fusion Plating System Standard Instruments and Screw Caddy



Item	Description	Part No.
1	2.7mm Drill	SA27DRLNS
2	3.5mm Drill	SA35DRLNS
3	T20 AO Driver	SAT20AONS
4	Threaded Wire	SATHDWIRENS
5	Olive Wire - Long	SAOLIVELGNS
6	Olive Wire - Short	SAOLIVESTNS
7	Compression Nuts	SACOMPNTNS
8	Ratcheting AO Handle	SAAOHAND
9	Compression Nut Driver Handle	SACMPNUTDH
10	Joint Distractor Driver	SAJTDD
11	Variable Angle Guide	SAVADRLGD

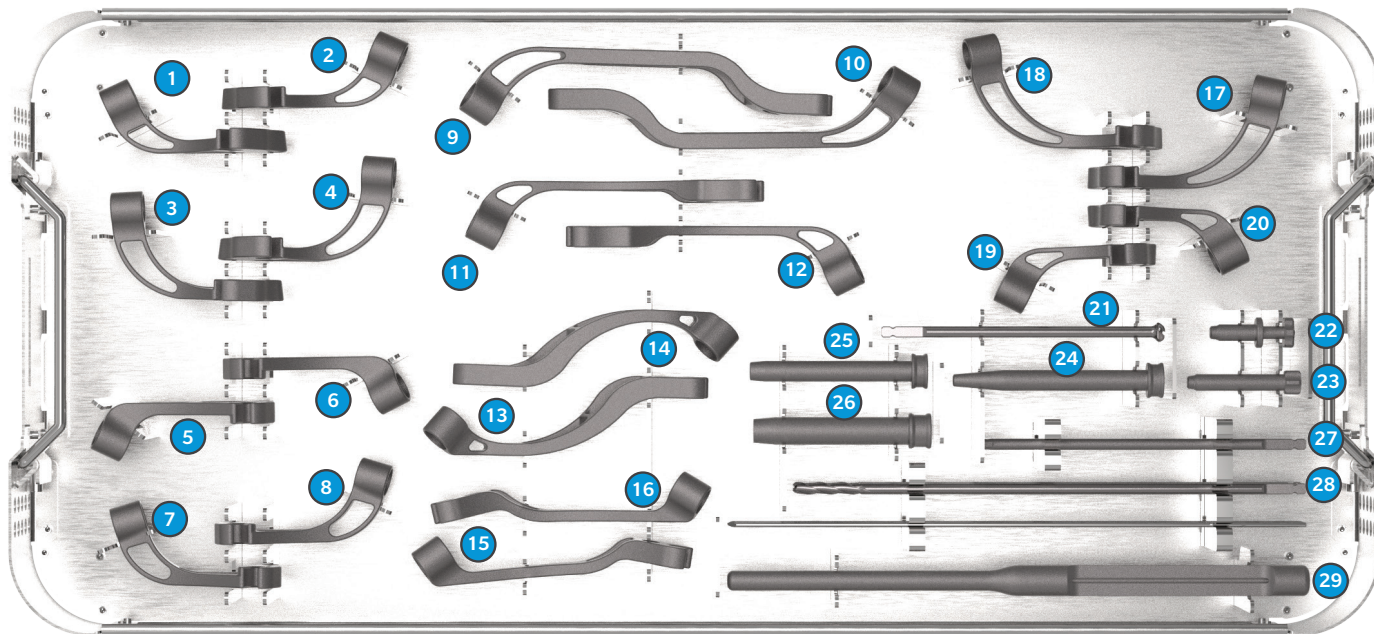
Item	Description	Part No.
12	2.7mm Threaded Drill Guide	SA27DRLGD
13	3.5mm Threaded Drill Guide	SA35DRLGD
14	2.7mm Drill Tube	SA27TUBE
15	3.5mm Drill Tube	SA35TUBE
16	Threaded Wire Drill Guide	SATWDRLGD
17	Plate Depth Gauge	SADPTHGA
18	3.5mm Locking Screws	SALS3516_70NS
19	3.5mm Non-Locking Screws	SANLS3516_70NS
20	5.0mm Locking Screws	SALS5016_70NS
21	5.0mm Non-Locking Screws	SALNLS5016_70NS

Stratum Ankle Fusion Plating System Plate Trials and Additional Instrumentation



Item	Description	Part No.	Item	Description	Part No.
1	Cobb Elevator	SACOBBEL	17	Lateral TT Plate Trial - Small (Left)	TRLTTSMLT
2	Straight Ring Curette	SASTRRGCUR	18	Lateral TT Plate Trial - Small (Right)	TRLTTSMRT
3	Angled Ring Curette	SAANGRGCUR	19	Lateral TTC Plate Trial - Small (Left)	TRLTTCSTLT
4	Straight Osteotome - Small	SASTROSTSM	20	Lateral TTC Plate Trial - Small (Right)	TRLTTCSTRT
5	Straight Osteotome - Large	SASTROSTSLG	21	Posterior TTC Plate Trial - Small (Left)	TRPTTCSMLT
6	Curved Osteotome - Large	SACUROSTLG	22	Posterior TTC Plate Trial - Small (Right)	TRPTTCSMRT
7	Curved Osteotome - Small	SACUROSTSM	23	Anterior Plate Trial - Standard (Left)	TRANTSTLT
8	Straight Curette	SASTRCUR	24	Anterior Plate Trial - Standard (Right)	TRANTSTRT
9	Angled Curette	SAANGCUR	25	Anterior Plate Trial w/ Wing - Standard (Left)	TRANTSTLTW
10	Ramp Drill Guide Assembly	SARMPDRLGD	26	Anterior Plate Trial w/ Wing - Standard (Right)	TRANTSTRTW
11	Plate Benders	SABEND	27	Lateral TT Plate Trial - Standard (Left)	TRLTTSTLT
12	Joint Distractor	SAJTSPRD	28	Lateral TT Plate Trial - Standard (Right)	TRLTTSTRT
13	Anterior Plate Trial - Small (Left)	TRANTSMLT	29	Lateral TTC Plate Trial - Standard (Left)	TRLTTCSTLT
14	Anterior Plate Trial - Small (Right)	TRANSMRT	30	Lateral TTC Plate Trial - Standard (Right)	TRLTTCSTRT
15	Anterior Plate Trial w/ Wing - Small (Left)	TRANTSMLTW	31	Posterior TTC Plate Trial - Standard (Left)	TRPTTCSTLT
16	Anterior Plate Trial w/ Wing - Small (Right)	TRANSMRTW	32	Posterior TTC Plate Trial - Standard (Right)	TRPTTCSTRT

Stratum Ankle Fusion Plating System Outriggers and Outrigger Procedure Instrumentation



Item	Description	Part No.	Item	Description	Part No.
1	Anterior Outrigger Arm - Standard (Left)	SAANTOURL	16	Posterior TC Outrigger Arm - Small (Right)	SAPTCOUTSMR
2	Anterior Outrigger Arm - Standard (Right)	SAANTOUTR	17	Posterior TT Outrigger Arm - Standard (Left)	SAPTTOURL
3	Anterior Outrigger Arm - Small (Left)	SAAOUTSML	18	Posterior TT Outrigger Arm - Standard (Right)	SAPTTOUTR
4	Anterior Outrigger Arm - Small (Right)	SAAOUTSMR	19	Posterior TT Outrigger Arm - Small (Left)	SAPTTOUTSML
5	Lateral TT Outrigger Arm - Standard (Left)	SALTTOURL	20	Posterior TT Outrigger Arm - Small (Right)	SAPTTOUTSMR
6	Lateral TT Outrigger Arm - Standard (Right)	SALTTOUTR	21	Countersink	SAOUTSINKNS
7	Lateral TT Outrigger Arm - Small (Left)	SALTTOUTSML	22	Main Post	SAOUTMAIN
8	Lateral TT Outrigger Arm - Small (Right)	SALTTOUTSMR	23	Locking Post	SAOUTLOCK
9	Lateral TC Outrigger Arm - Standard (Left)	SALTCOURL	24	K-wire Tube	SAOUTKWTB
10	Lateral TC Outrigger Arm - Standard (Right)	SALTCOUTR	25	Drill Tube	SAOUTDRLTB
11	Lateral TC Outrigger Arm - Small (Left)	SALTCOUTSML	26	Soft Tissue Tube	SAOUTSFTTT
12	Lateral TC Outrigger Arm - Small (Right)	SALTCOUTSMR	27	3.5mm Hex Driver	SAOT35DRVNS
13	Posterior TC Outrigger Arm - Standard (Left)	SAPTCOURL	28	Cannulated Drill	SAOUTCANS
14	Posterior TC Outrigger Arm - Standard (Right)	SAPTCOUTR	29	Crossing Screw Depth Gauge	SACSDPTGAG
15	Posterior TC Outrigger Arm - Small (Left)	SAPTCOUTSML	-	Crossing Screw Instrument Case Tray	SACRSSTRAY
			-	Crossing Screw Instrument Case Lid	SACRSSCLID

Stratum Ankle Fusion Plating System Plate Contouring & Plate Removal

Plate Contouring

The following steps are optional and can be used if plate contouring is required. If contouring is performed on a plate, it is important to only bend the plate once. Do not bend back or bend a second time.

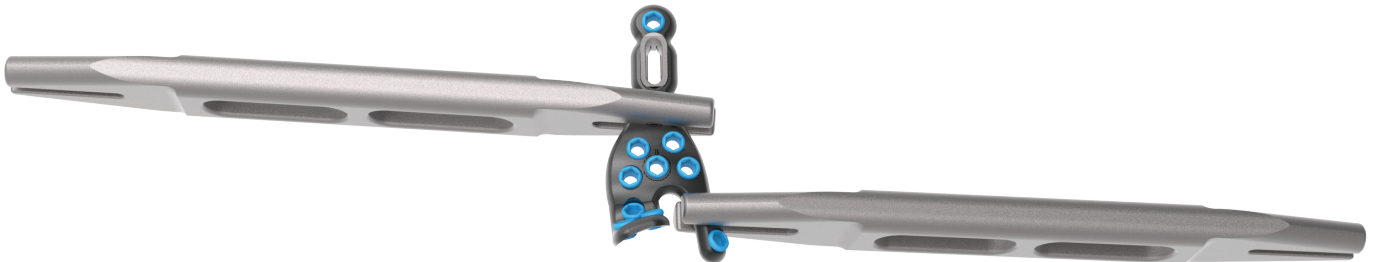
1. Alignment Cap Removal

Using a **Hex Tube** (SA27TUBE or SA35TUBE) remove any **Alignment Caps** that might interfere with the position of the **Plate Benders** (SABEND).



2. Plate Bender Placement

Place the **Plate Benders** over the desired region and slowly contour the **Plate**.



3. Remove Plate Benders

Remove the **Plate Benders** and do not reinsert the removed **Alignment Caps** back into the **Plate**. Screw holes that have had **Alignment Caps** removed should be filled by following Step 4 of the General Technique.

Plate Removal

The following steps are to be used in the event that a plate needs to be removed for any reason.

1. Screw Removal

Use a **T20 Driver** (SAT20AONS or SAT20AOS) to back-out all **Screws** from the plate by turning the **Screws** counter-clockwise. If a **Crossing Screw(s)** was used, remove the **Crossing Screw** with a **3.5mm Hex Driver** (SAOUT35DRVNS or SAOUT35DRVS).

2. Plate Removal

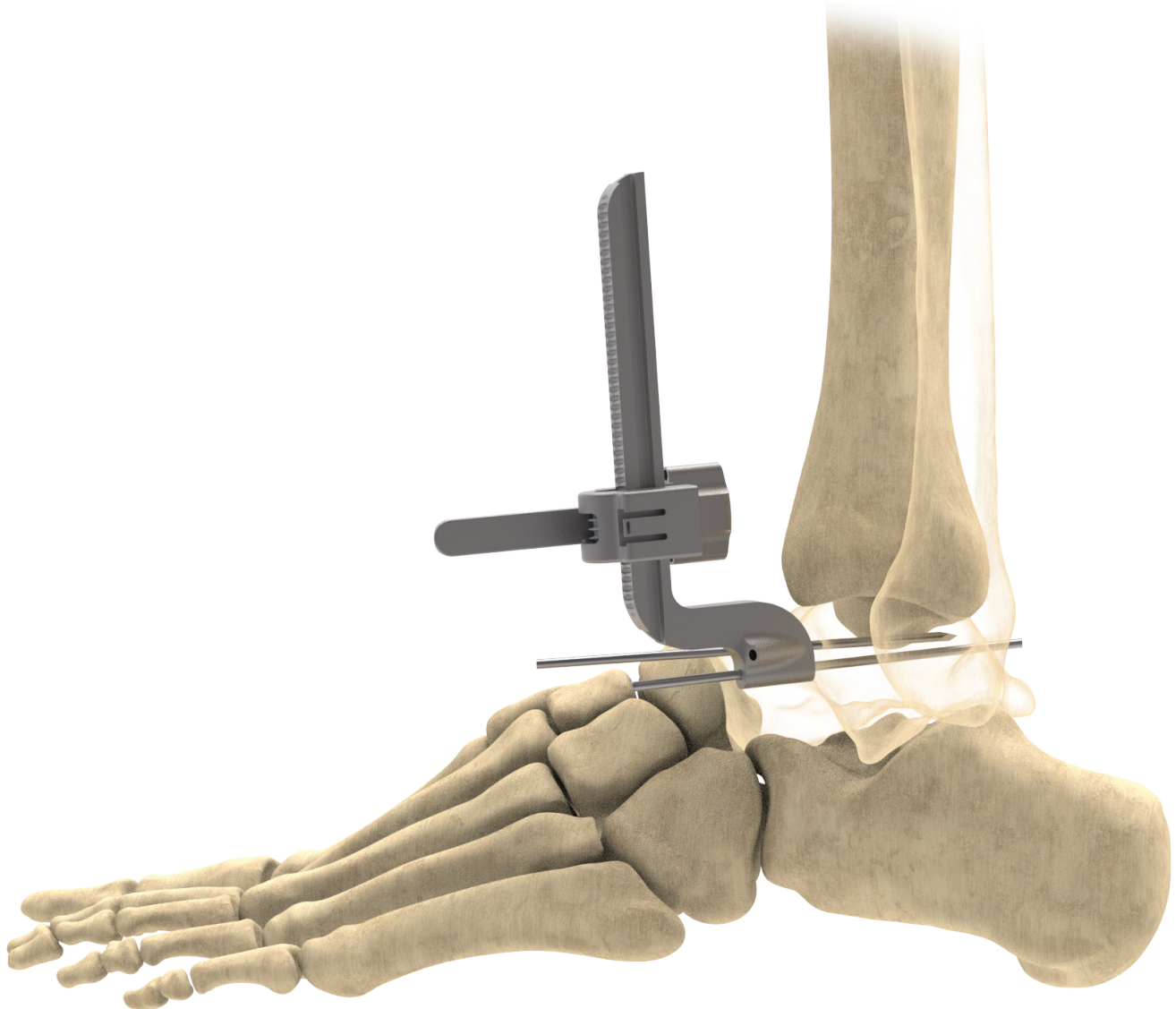
Remove the plate from the anatomy, once all screws are removed, the plate may be removed.

Stratum Ankle Fusion Plating System Joint Preparation Technique

Step One

The following joint preparation steps show the anterior approach as an example of the technique. For other approaches, it will be important to position the **Joint Distractor Device (SAJTSPRD)** at the distal bone of the joint line that will be fused. Once the procedure-specific incision has been made, place the **Joint Distractor Device** in the proper orientation as seen in the image below. Once the device is placed in the proper orientation, secure the **Joint Distractor Device** with two **2.0mm K-Wires (SA20KWIREs)** to the distal bone of the joint line.

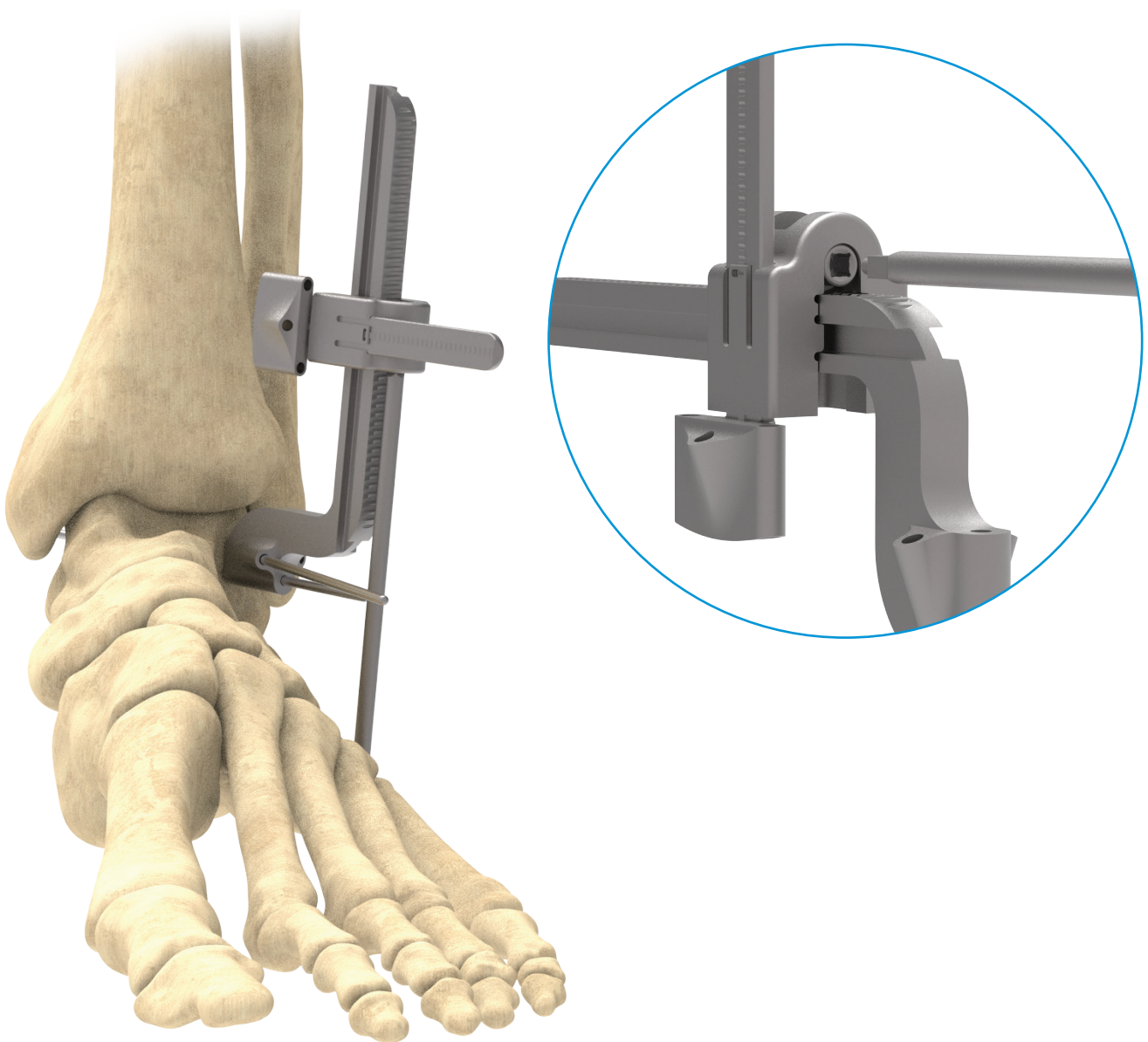
Note: Use of the **Joint Distractor Device** is optional and at the surgeon's discretion, depending on the ankle joint anatomy and surgeon's experience.



Stratum Ankle Fusion Plating System Joint Preparation Technique

Step Two

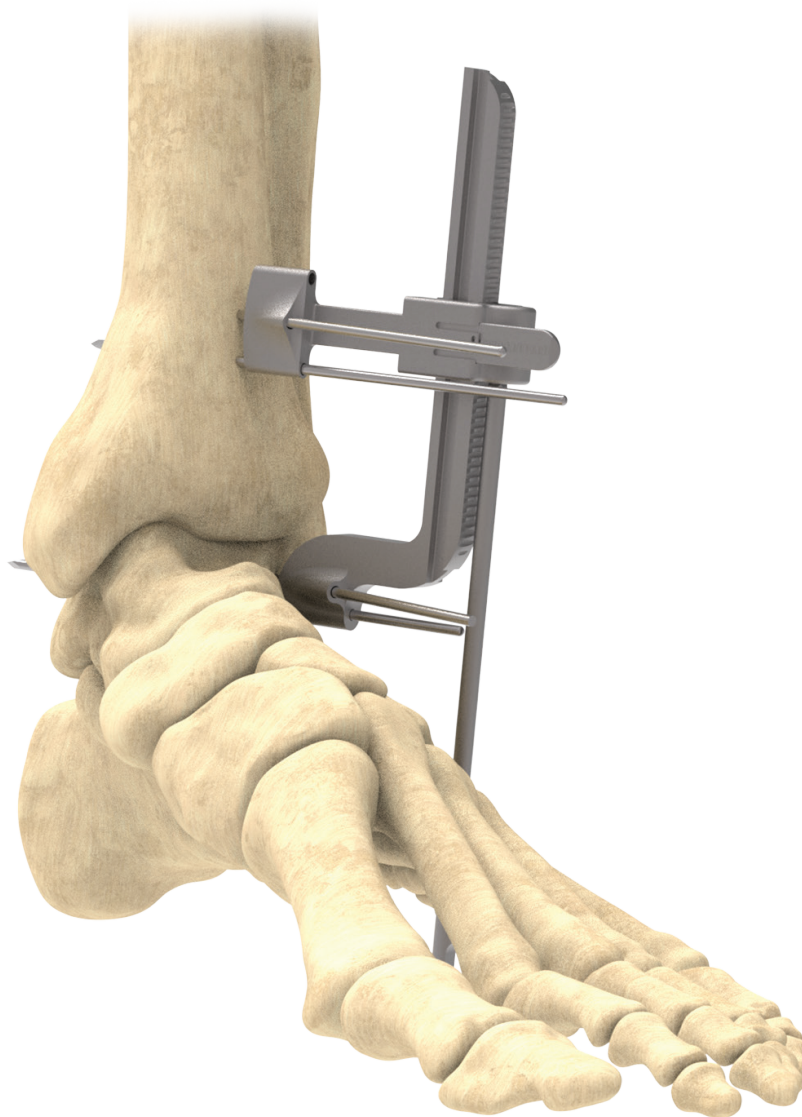
Using the **Joint Distractor Driver (SAJTDD)**, position the opposing pin holes over the proximal holes by turning the screw in the **Joint Distractor Device**. Turn the screw clockwise to move to shift posteriorly and counterclockwise to shift distally.



Stratum Ankle Fusion Plating System Joint Preparation Technique

Step Three

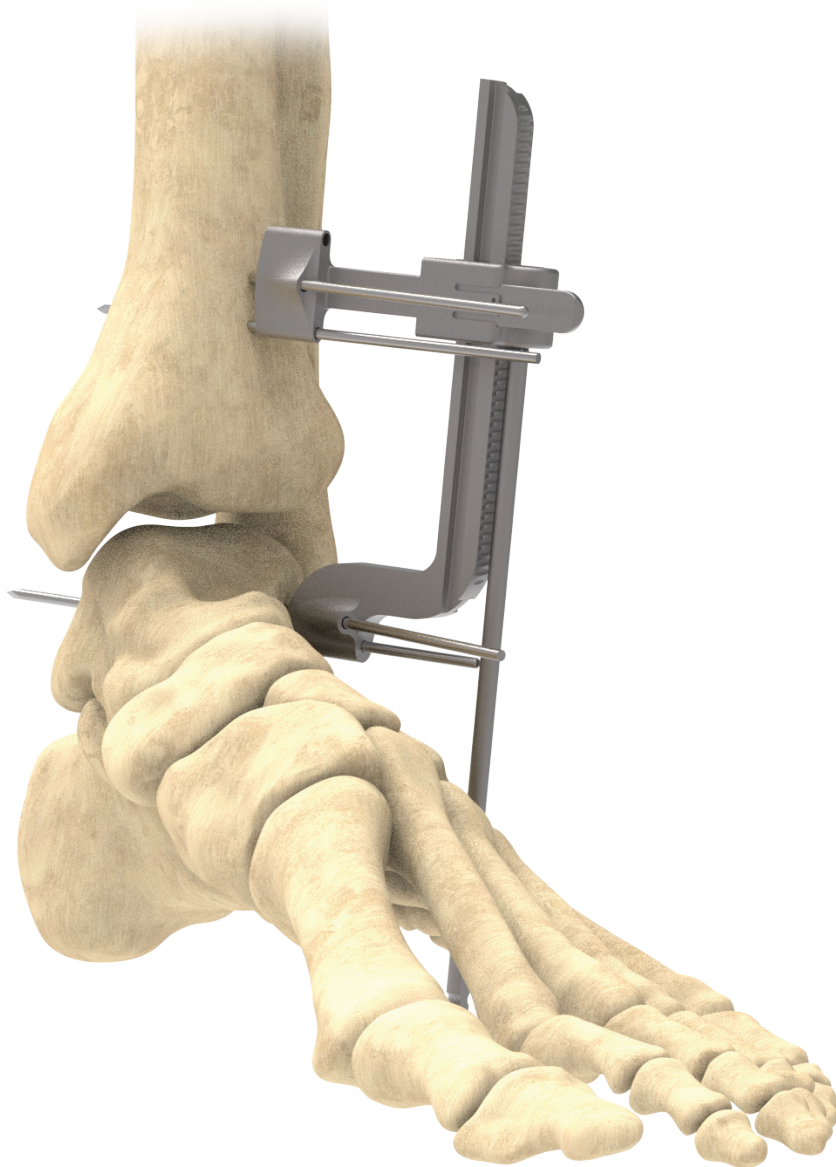
Lower the **Joint Distractor** slide to the proximal bone and pin the slide using two **2.0mm K-Wires**, ensuring one is in a diverging angle hole.



Stratum Ankle Fusion Plating System Joint Preparation Technique

Step Four

Distract the joint by turning the screw until the bones are separated as desired, then appropriately prep the joint with the desired instrumentation. Once joint is fully prepped for fusion, reduce the **Joint Distractor** by turning the screw counter-clockwise and remove the pins and the **Joint Distractor Device**.

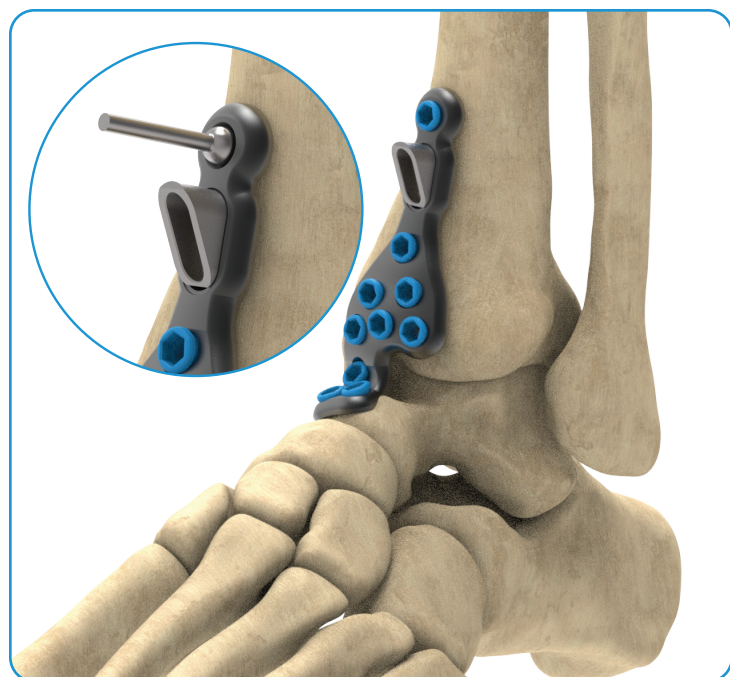
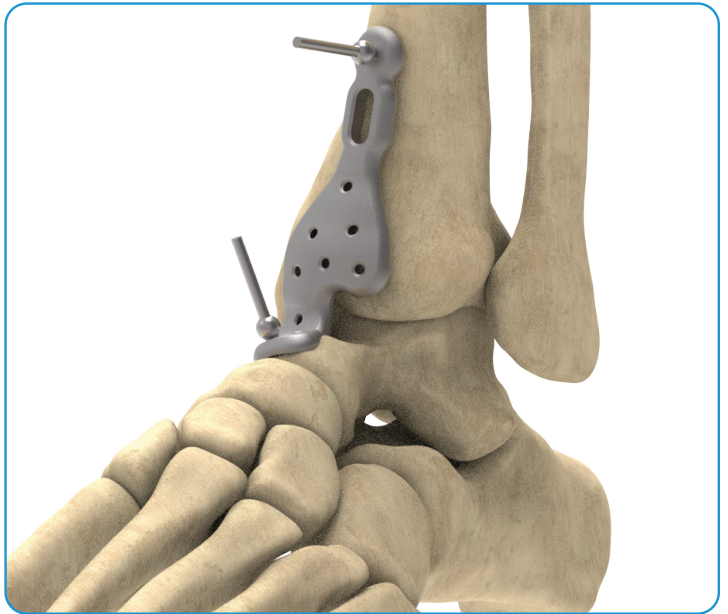


Stratum Ankle Fusion Plating System General Surgical Technique

The following technique describes key steps for all plates in the Stratum Ankle Fusion Plating System. This includes Posterior Talotibulocalcaneal (TTC) Plates, Lateral Talotibular (TT) Plates, Lateral TTC Plates, Anterior Plates, and Anterior Plates with Wings. For technique purposes, the Anterior Fusion Plate procedure is shown.

1. Plate Selection

Based on the selected surgical approach, overlay the corresponding **Trial Plate** on the anatomy to determine the size of plate that best fits the anatomy for the intended procedure. **2.0mm K-wires**, or the included **Olive Wires** (SAOLIVESTNS, SAOLIVESTS, SAOLIVELGNS, or SAOLIVELGS), can be used to secure the **Trial Plate** to the bone to aid in selection of the best fitting trial.



2. Plate Placement

Open the corresponding **Plate** to the selected trial and place it onto the anatomy.

If needed, temporarily secure the **Plate** to the bone using **Olive Wires** to confirm placement and to keep the plate in place while preparing the anatomy for fixation. If an **Olive Wire** is used, the **Alignment Cap** must be removed before insertion. A **Hex Tube** can be used to remove the **Alignment Cap**.

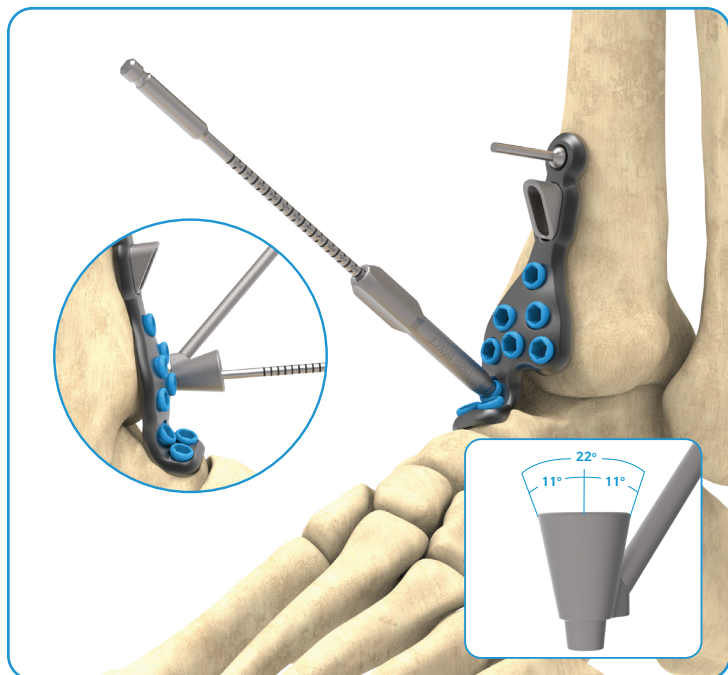
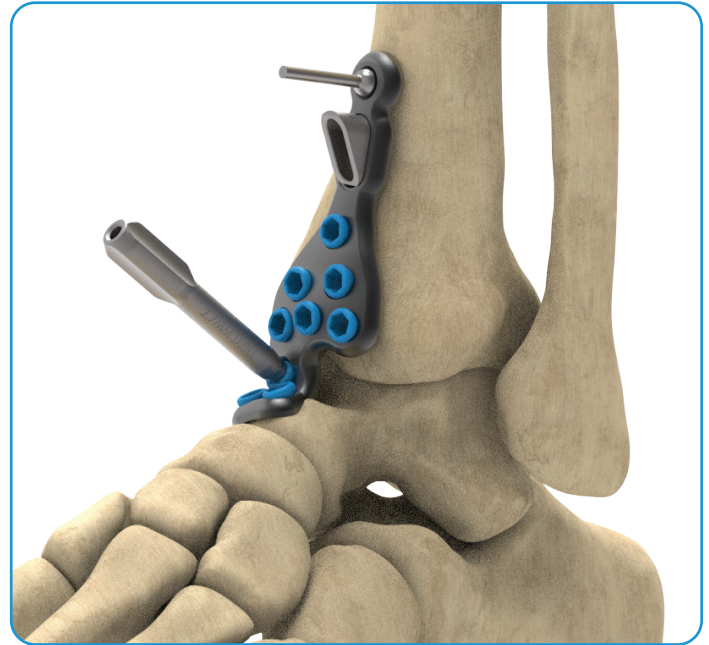
Stratum Ankle Fusion Plating System General Surgical Technique

3. Distal Bone Hole Prep

Select a hole at the distal end of the **Plate** to insert a screw. Insert the **Hex Tube** into the desired hole's **Alignment Cap**. The **Hex Tube** should be selected based on the screw diameter desired. (Refer to screw options on page 6 for reference)

Drill through the **Hex Tube** using the associated calibrated **Drill Bit** for the diameter of the screw chosen. Screw length measurement can be determined from the top of the **Hex Tube**.

Note: Fluoroscopy is advised to avoid infringement on calcaneus/subtalar joint.



4. Screw Hole Prep

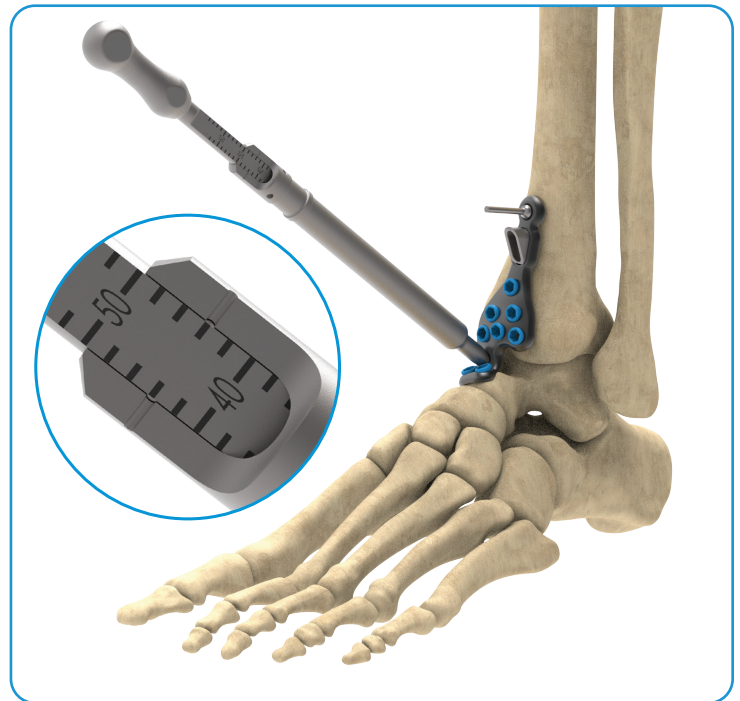
If not already performed, unscrew the **Alignment Cap** with the **Hex Tube** from the **Plate**. The screw length can be read directly on the calibrated **Drill Bit** (SA27DRLNS, SA27DRLS, SA35DRLNS, OR SA35DRLS) at the top of the **Hex Tube** when the tip of the **Drill Bit** is positioned at the far cortex.

*Note: Variable angle **Non-Locking Screws** can be utilized as well in any hole by removing the **Alignment Cap** and utilizing the **Variable Angle Drill Guide** (SAVADRLGD) to guide the **Drill Bit**. Screw can be placed 11 degrees off axis for a 22-degree cone of angulation.*

Stratum Ankle Fusion Plating System General Surgical Technique

5. Screw Determination

Using the **Hex Tube**, remove the **Alignment Cap** by unscrewing counterclockwise. Insert the **Depth Gauge** (SADPTHGA) into the drilled hole and until the far cortex is reached. The **Depth Gauge** will indicate the proper screw size to use. (See image)



6. Screw Insertion

Insert desired screw into the bone with supplied **T20 Hex Driver and Handle** (SAAOHAND) by turning the screw clockwise until the screw is fully seated.

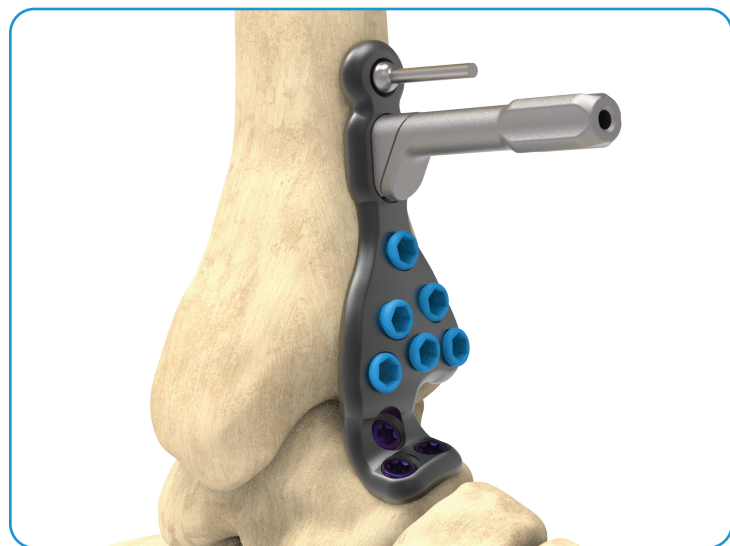
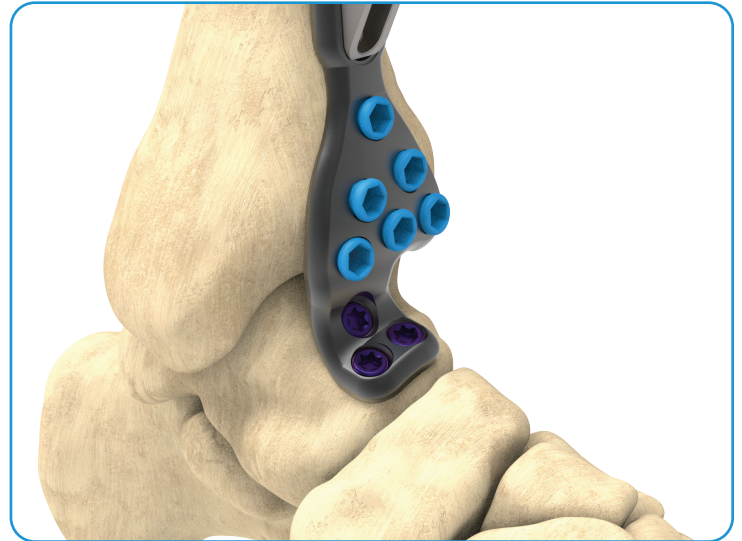
Note: If using power to insert screws, **DO NOT** fully seat the screw. Final seating of screws should be completed by hand and only with the supplied Driver and Handle.

Stratum Ankle Fusion Plating System General Surgical Technique

7. Additional Fixation

Repeating the same process outlined in steps 3 through 6, insert screws into any remaining open holes in the distal section of the plate.

Note: Do not place any screws in the proximal bone until compression is applied.



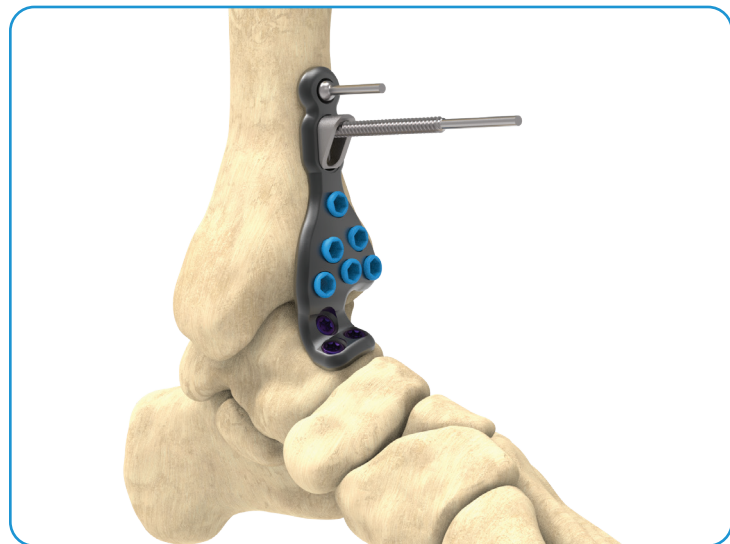
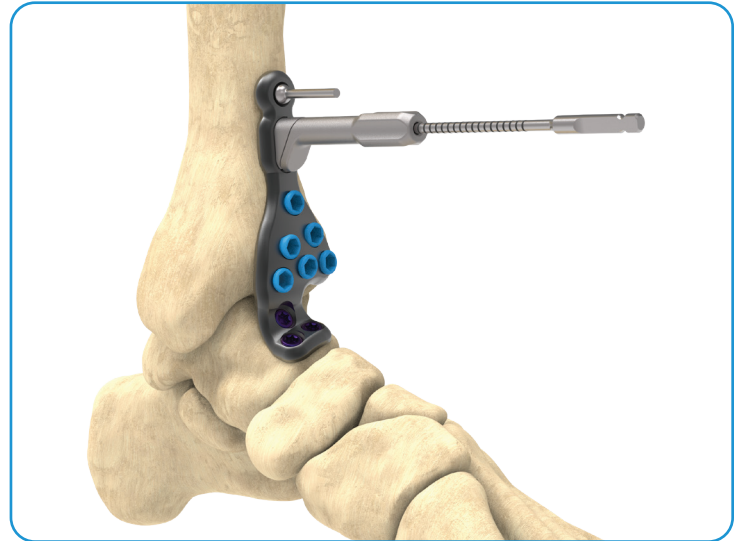
8. Ramp Drill Guide Placement

Place the **Ramp Drill Guide (SATWDRLGD)** into the **Ramp** on the plate and ensure it is seated on the **Ramp** face at the distal edge of the **Ramp**.

Stratum Ankle Fusion Plating System General Surgical Technique

9. Threaded Wire Preparation

Using the **2.7mm Drill Bit** (SA27DRLNS or SA27DRLS), drill **bicortically** through the bone utilizing the **Ramp Drill Guide**. Once drilling is completed, remove the **Ramp Drill Guide** from the **Ramp** before moving onto Step 10.



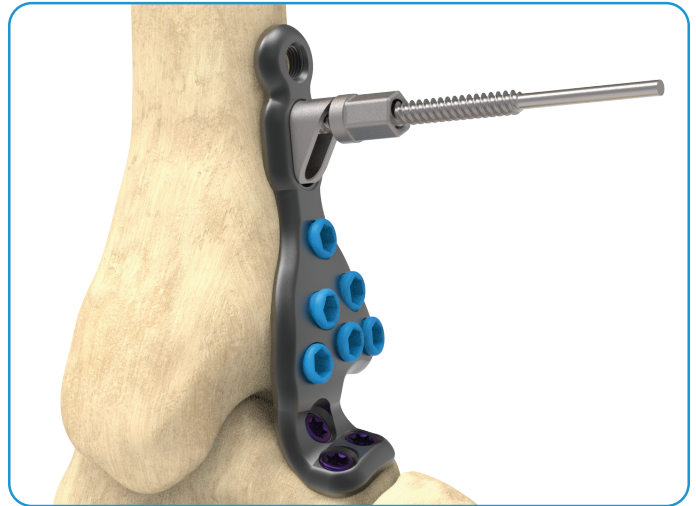
10. Threaded Wire Insertion

Using a **2.0mm Pin Driver**, insert the **4.0mm Threaded Wire** (SATHDWIRENS or SATHDWIRES) into the pilot hole that was drilled in Step 9. Drive the **Threaded Wire** bicortically into the bone using the higher edge of the ramp slot for alignment.

Stratum Ankle Fusion Plating System General Surgical Technique

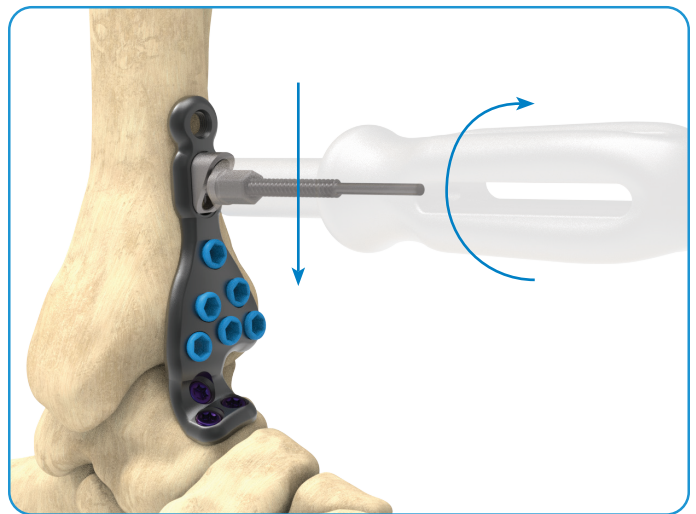
11. Tighten Nut Down Onto Ramp

Thread the **Compression Nut** (SACOMPNUSTNS or SACOMPNUSTNS) onto the **4.0mm Threaded Wire** until it touches the ramp. Once the **Compression Nut** is seated, *remove any temporary fixation used*.

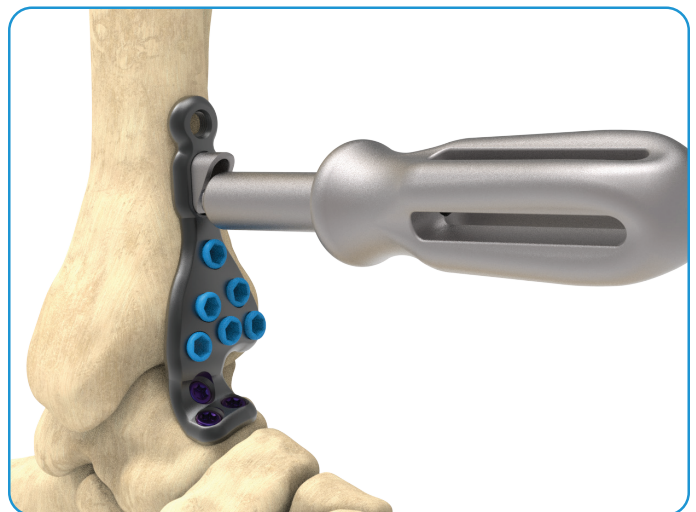


12. Ramp Compression

Using the **Compression Nut Driver** (SACMPNUTDH), advance the **Compression Nut** down the **Threaded Wire** to compress the joint.



Stop turning once the desired compression across the joint is achieved.



Stratum Ankle

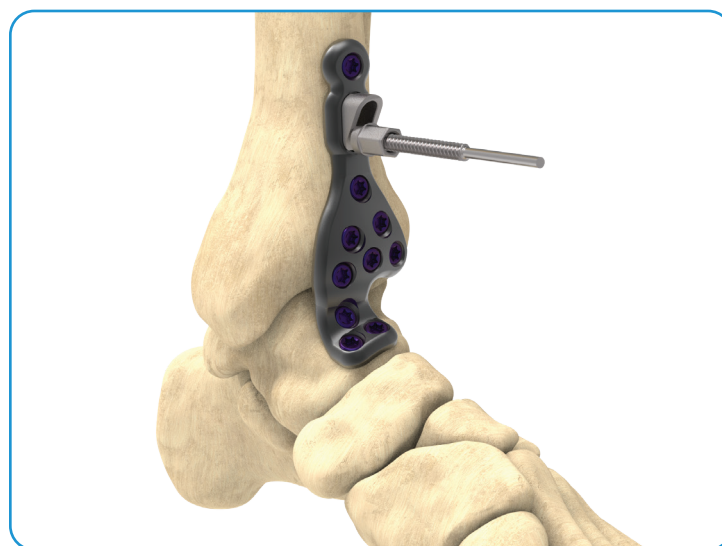
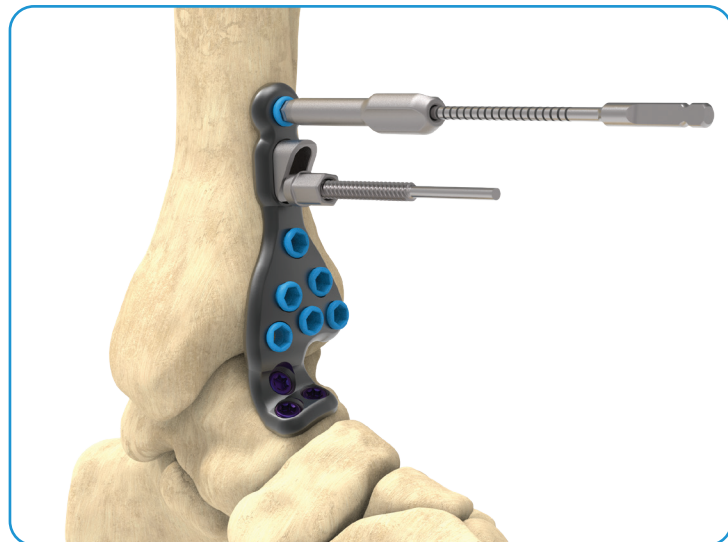
Fusion Plating System

General Surgical Technique

NOTE: After ramp compression has been achieved, it is useful at this stage to consider using a 6mm cannulated crossing screw through a plate-specific Outrigger for supplementary compression, prior to using any further in-plate screws that lock the construct. (See technique starting on Page 28)

13. Proximal Screw Hole Preparation

Insert the **Drill Tube** into **Alignment Cap** of the most proximal hole of the **Plate**. If the **Alignment Cap** was previously removed, use the **Threaded Drill Tube** instead. Using the corresponding calibrated **Drill Bit** to the selected screw diameter, drill bicortically through the bone using the **Drill Tube** for alignment and measure screw length at the top of the **Drill Tube** using the laser marks on the **Drill Bit**. The **Depth Gauge** may also be used to determine screw length needed.



14. Proximal Screw Insertion

Unscrew the **Alignment Caps** from the **Plate** with the non-threaded **Drill Tube**. Insert desired screw into the bone with supplied **T20 Hex Driver** and **Handle**.

Note: The use of a single screw for proximal fixation is not recommended. All, or most holes should be filled for optimal fixation. Repeat the steps for hole prep and screw prep.

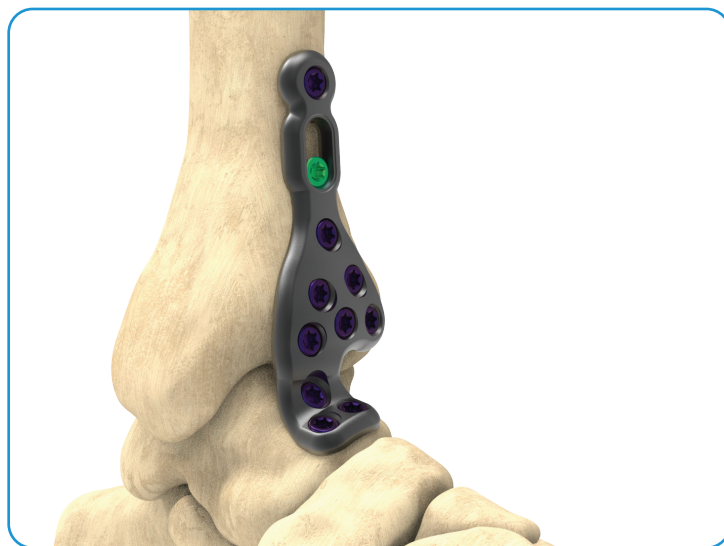
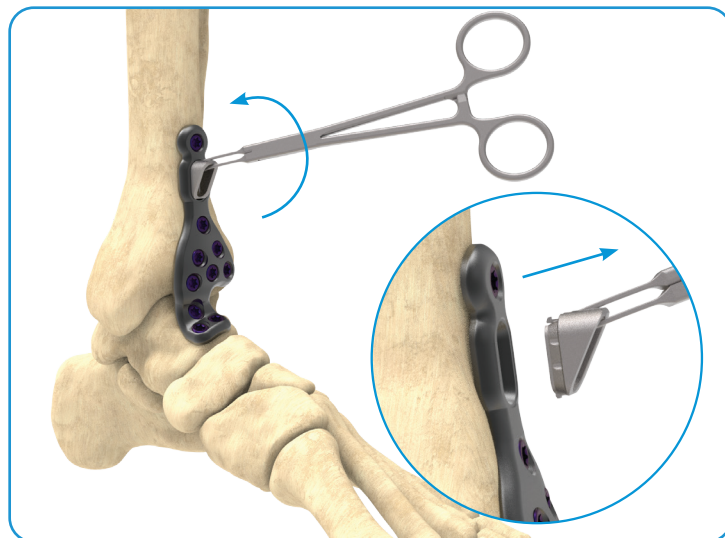
Note: If using power to insert screws, **DO NOT** fully seat the screw. Final seating of screws should be completed by hand and only with the supplied **Driver** and **Handle** as desired.

Stratum Ankle Fusion Plating System General Surgical Technique

15. Ramp Removal

With compression now held by the inserted screws, the **Compression Nut** and the **Threaded Wire** can be removed with **Compression Nut Driver** and a standard pin driver. The **Compression Ramp** can then be removed with a standard hemostat. Place standard hemostat on tab at the high side of the **Compression Ramp** and tilt clamp to inwardly press spring arm then roll the **Compression Ramp** forward and up to remove.

*Hemostat not included.



16. Slot Screw

Using the hole made by the **Threaded Wire** as a pilot hole, insert the **Depth Gauge** to measure the length of screw required. Insert appropriate length **5.0mm Non-Locking Low-Profile Screw** with supplied **T20 Hex Driver and Handle**.

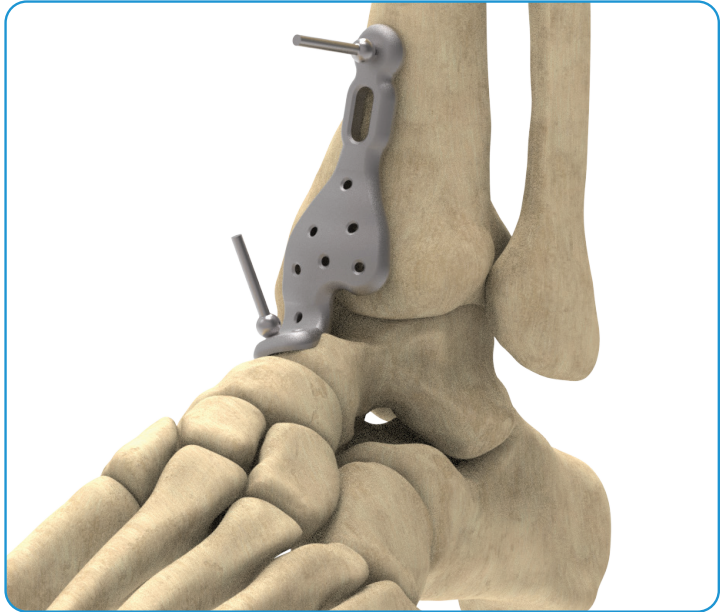
Note: Prior to closure, ensure all remaining **Alignment Caps** have been removed from plate. If a hole is left unfilled, the **Alignment Cap** must still be removed.

Stratum Ankle Fusion Plating System Anterior Fusion Plate Surgical Technique

The following technique describes key steps for Anterior Plates and Anterior Plates with Wing in the Stratum Ankle Fusion Plating System.

1. Plate Determination

Utilize the Anterior Fusion Plate Trial, Standard or Small with or without wings, to determine which plate best fits the anatomy and fixation needs.



2. Procedure Completion

Prepare the ankle joint by following steps 1 through 4 of the Joint Preparation Technique.

Place at least one screw in the talus by following steps 3 through 7 of the General Surgical Technique. Follow steps 8 through 16 of the General Surgical Technique to complete the procedure.

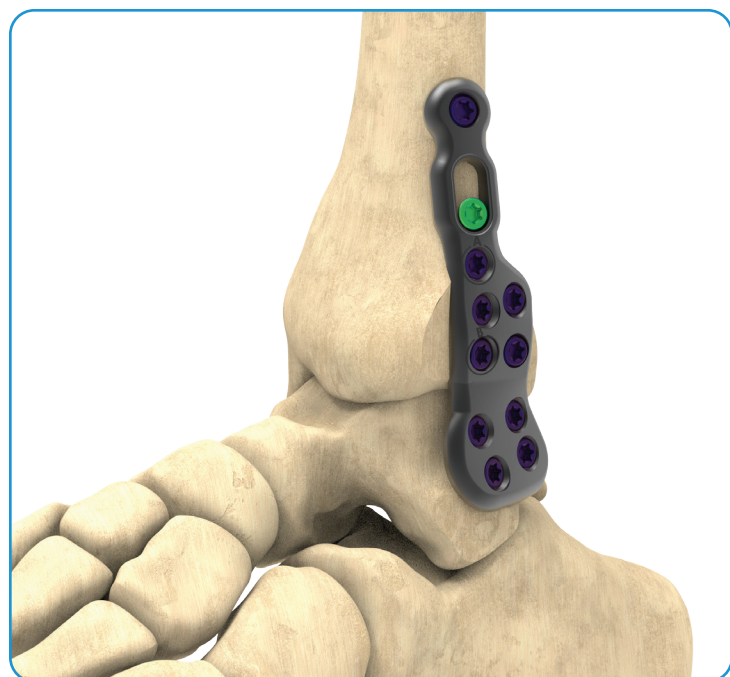
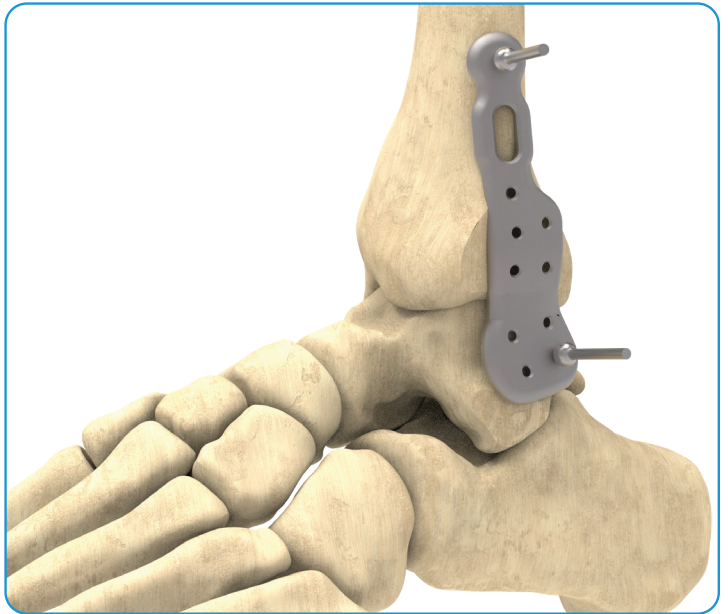
Prior to closure, ensure all remaining Alignment Caps have been removed from Plate.

Stratum Ankle Fusion Plating System Lateral Talotibular (TT) Fusion Plate Surgical Technique

The following technique describes key steps for Lateral Talotibular (TT) Fusion Plates in the Stratum Ankle Fusion Plating System.

1. Plate Determination

Utilize the Lateral TT Fusion Plate Trial, Standard or Small, to determine which best fits the anatomy.



2. Procedure Completion

Prepare the ankle joint by following steps 1 through 4 of the Joint Preparation Technique. This procedure will require take down of the distal fibula.

More than one screw should be placed in the talus by following steps 3 through 7 of the General Surgical Technique. Follow steps 8 through 16 of the General Surgical Technique to complete the procedure.

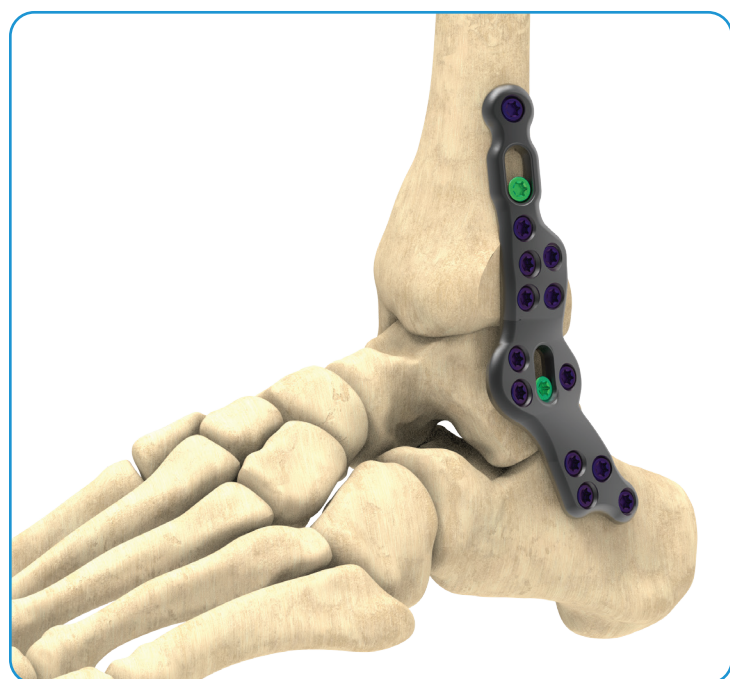
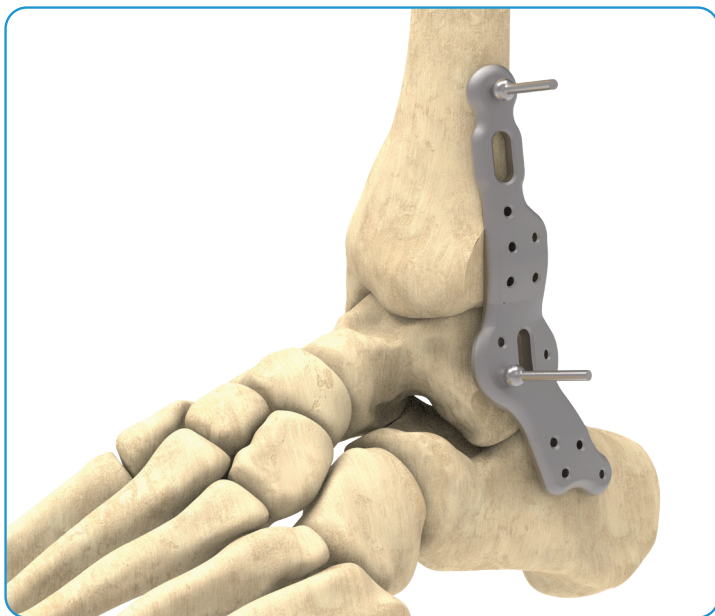
Prior to closure, ensure all remaining Alignment Caps have been removed from Plate.

Stratum Ankle Fusion Plating System Lateral Talotibiocalcaneal (TTC) Fusion Plate Surgical Technique

The following technique describes key steps for Lateral Talotibiocalcaneal (TTC) Plates in the Stratum Ankle Fusion Plating System.

1. Plate Determination

Utilize the Lateral TTC Fusion Plate Trial, Standard or Small, to determine which plate best fits the anatomy and fixation needs.



2. Procedure Completion

Prepare the ankle joint by following steps 1 through 4 of the Joint Preparation Technique. This procedure will require take down of the distal fibula.

Place at least one screw in the calcaneus by following steps 3 through 7 of the General Surgical Technique. Follow steps 8 through 11 of the General Surgical Technique and insert a threaded wire into each ramp. **Compress the talus into the calcaneus** following step 12 and insert at least one screw into the talus. Once the talus is secured, compress the tibia into the talus following steps 8 through 11. Follow steps 14 through 16 to complete the procedure.

Prior to closure, ensure all remaining Alignment Caps have been removed from Plate.

Stratum Ankle

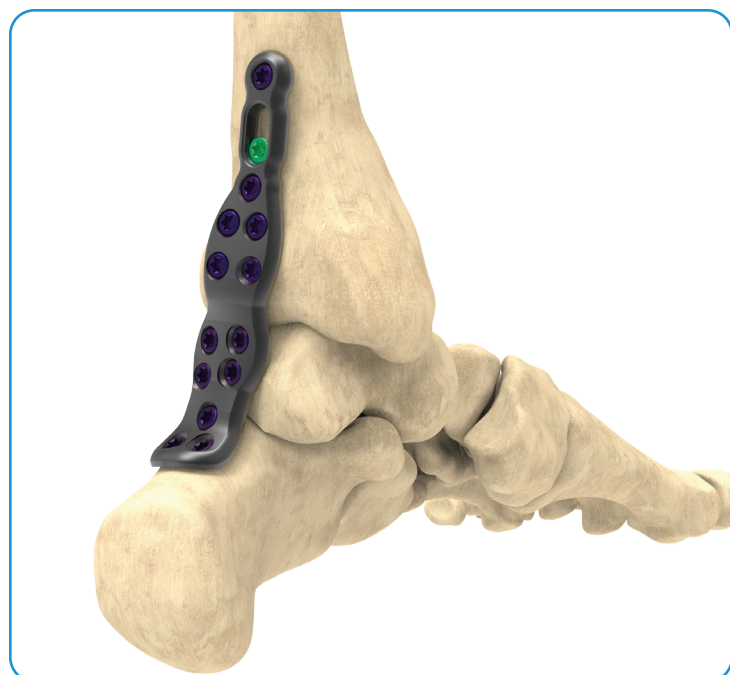
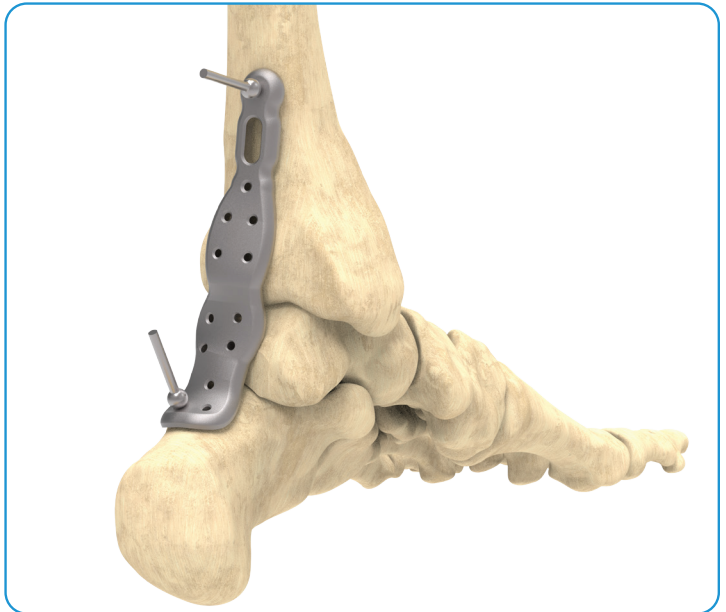
Fusion Plating System

Posterior Talotibiocalcaneal (TTC) Fusion Plate Surgical Technique

The following technique describes key steps for Posterior Talotibiocalcaneal (TTC) Fusion Plates in the Stratum Ankle Fusion Plating System.

1. Plate Determination

Utilize the Posterior TTC Fusion Plate Trial, Standard or Small, to determine which best fits the anatomy.



2. Procedure Completion

Prepare the ankle joint by following steps 1 through 4 of the Joint Preparation Technique.

Place at least one screw in the calcaneus by following steps 3 through 7 of the General Surgical Technique. Follow steps 8 through 16 of the General Surgical Technique to complete the procedure.

Prior to closure, ensure all remaining Alignment Caps have been removed from Plate.

Stratum Ankle

Fusion Plating System

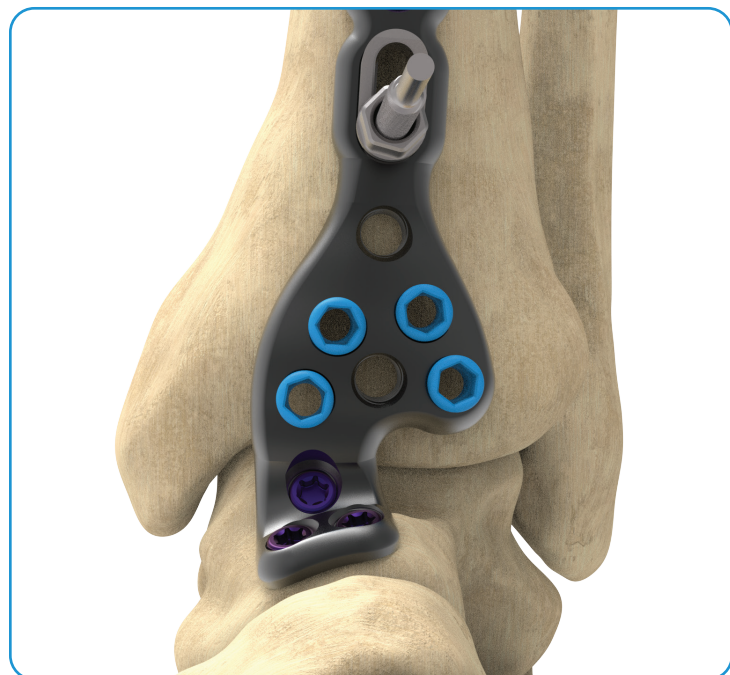
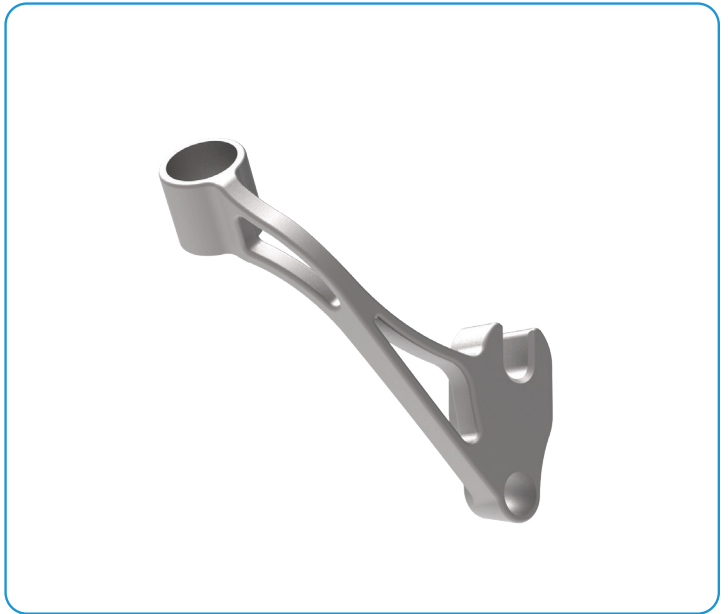
Crossing Screw Surgical Technique

If an optional joint crossing screw is desired for stabilization, the following steps can be used **once the joint is compressed**; Step 12 of the General Surgical Technique. The following steps show the Crossing Screw Surgical Technique for the Anterior Fusion Plate. The same steps can be used for all other plates.

1. Guide Selection

Select the **Guide Arm** that corresponds with the selected **Plate** in which the additional fixation is desired.

NOTE: The use of fluoroscopy is recommended when placing a crossing screw.



2. Alignment Cap Removal

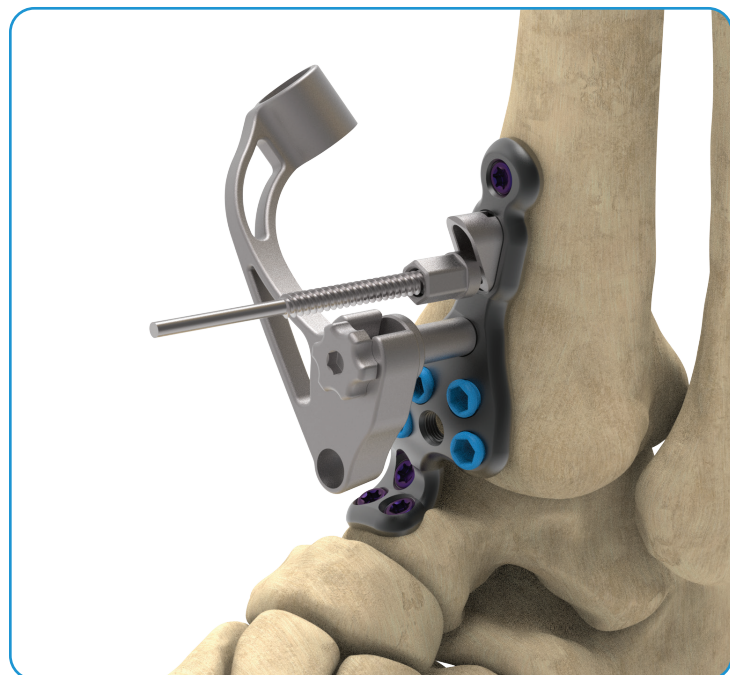
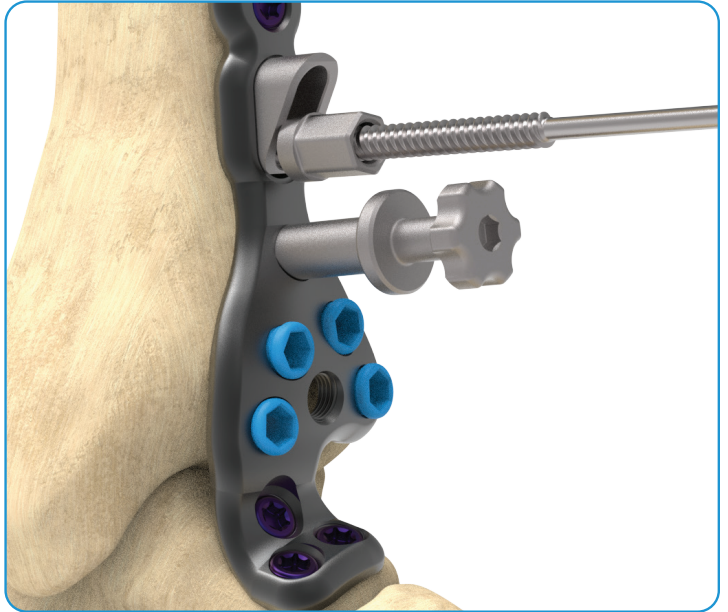
Remove the **Alignment Caps** required to attach the **Locking Posts** using the non-threaded **Hex Tube**.

See **Guide Attachment Points** section for locking post hole diagrams for each plate.

Stratum Ankle Fusion Plating System Crossing Screw Surgical Technique

3. Locking Post “A” Attachment

Thread **Locking Post “A”** (SAOUTMAIN) into the plate hole according to the Guide Attachment Points section. Ensure that the **Locking Post** is threaded all the way into the plate by turning the post clockwise until the post stops.



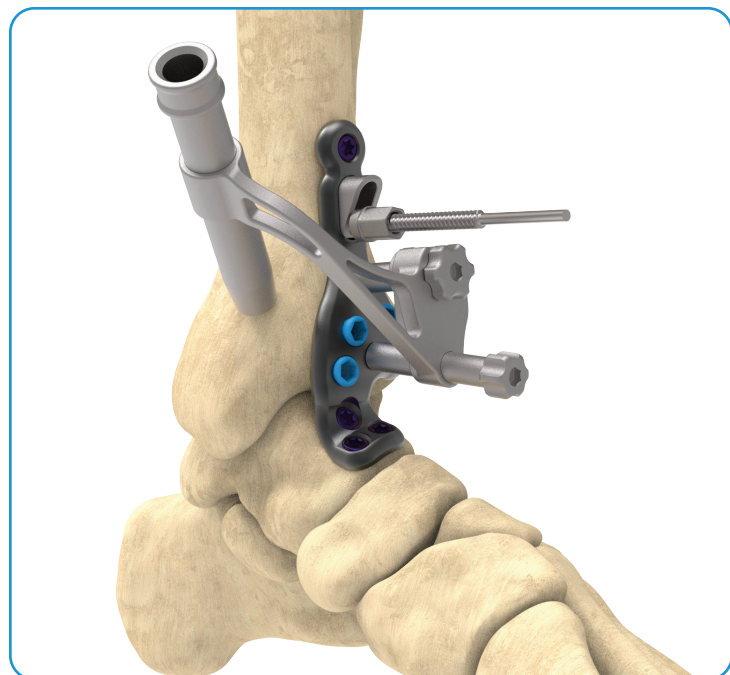
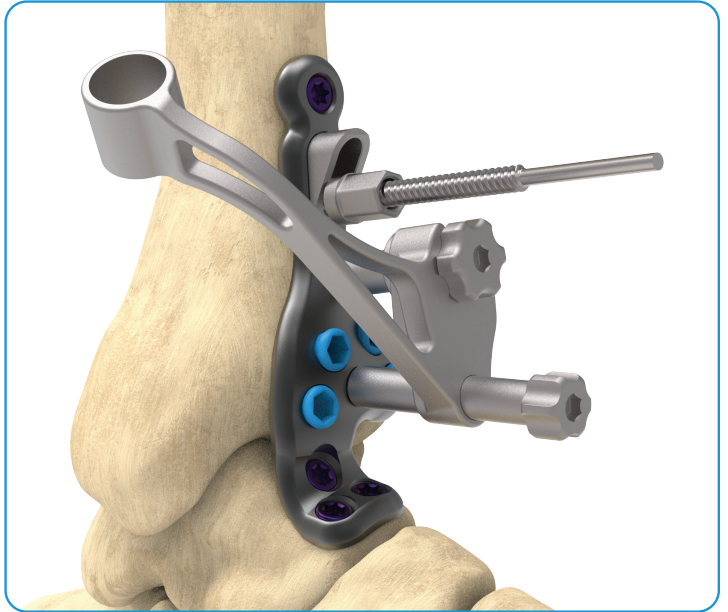
4. Guide Arm Attachment

Slide the **Guide Arm** over **Locking Post “A”**.

Stratum Ankle Fusion Plating System Crossing Screw Surgical Technique

5. Locking Post “B”

Insert **Locking Post “B”** (SAOUTLOCK) through the distal hole of the **Guide Arm**. Turning the post clockwise, thread it into the **Plate** to lock the guide in place. Ensure that the post is fully secure by turning clockwise until it comes to a complete stop.



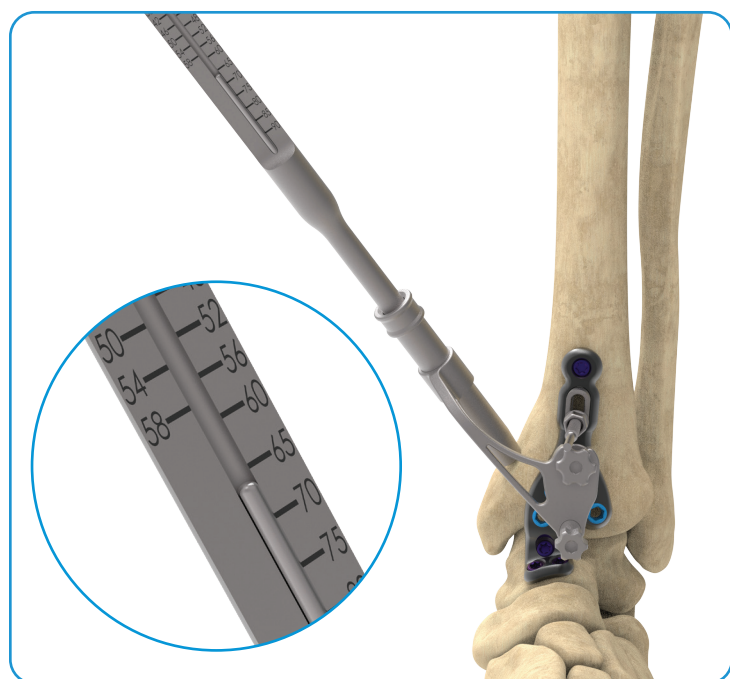
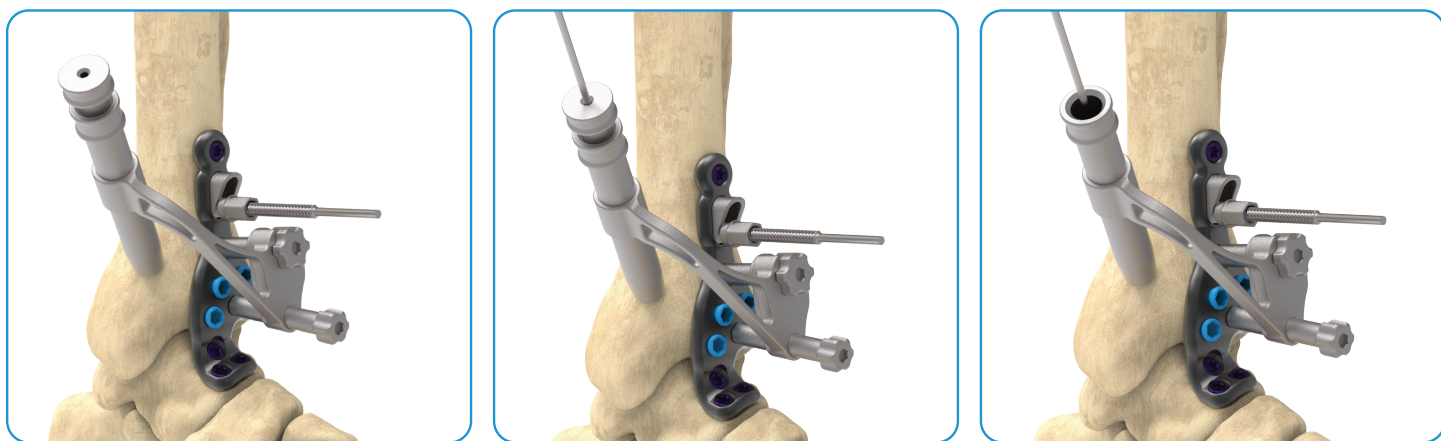
6. Soft Tissue Sleeve

Insert the **Soft Tissue Sleeve** (SAOUTSFTTT) into the **Guide Arm**. Remove any soft tissue that prevents the **Soft Tissue Sleeve** from touching the bone.

Stratum Ankle Fusion Plating System Crossing Screw Surgical Technique

7. K-Wire Insertion

Insert the **K-Wire Tube** (SAOUTKWTB) into the **Soft Tissue Sleeve**. Using a standard 2.0mm pin driver, insert the **9 inch 2.0mm K-Wire** (SAOUTKWIRE) through the **K-Wire Tube** ensuring it passes over the joint line and the tip of the **K-Wire** reaches the far cortex. Once the **K-Wire** is fully inserted, remove the **K-Wire Tube** leaving in the **K-Wire**.



8. Depth Measurement

Slide the **Wire Depth Gauge** (SACSDPTGAG) over the **K-Wire**, through the **Soft Tissue Sleeve**, until it touches the bone. Note the etch marking on the gauge where the end of the wire lines up. This measurement will indicate the length of the **6.0mm Crossing Screw** to be used.

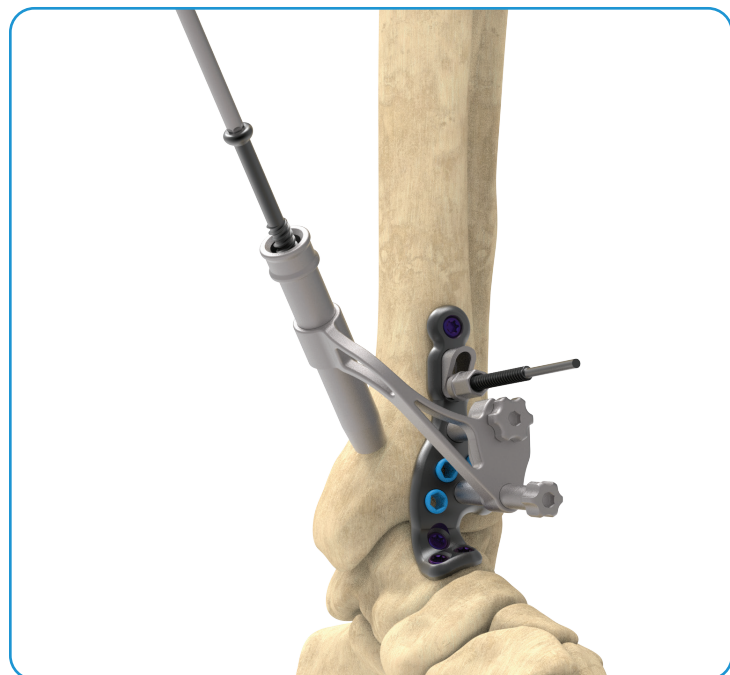
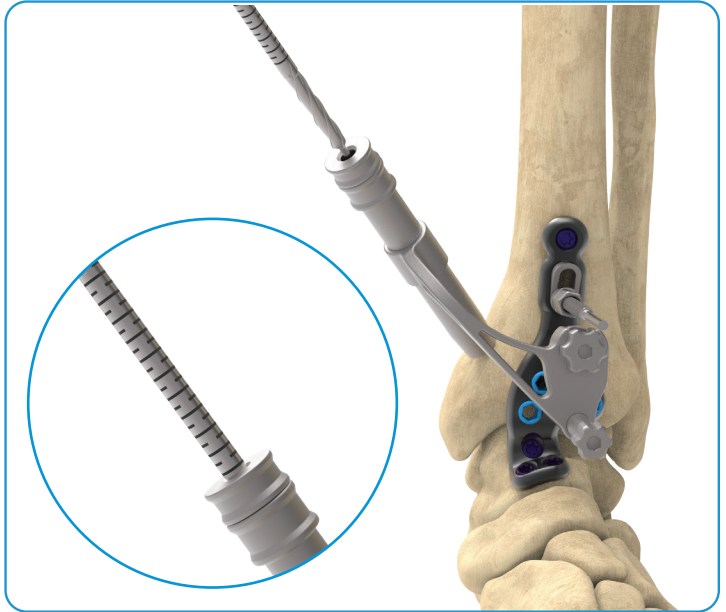
Stratum Ankle Fusion Plating System Crossing Screw Surgical Technique

9. Drill

Insert the **Drill Tube** (SAOUTDRLTB) into the **Soft Tissue Sleeve**. Insert the **4.5mm Cannulated Drill Bit** (SAOUTCANNNS or SAOUTCANS) over the **K-Wire** through the **Drill Tube** (SAOUTDRLTB) to the desired depth. Depth lines can be read at the surface of the bone. Remove the **Drill** and the **Drill Tube**.

If needed, a **Countersink** (SAOUTSINKNS or SAOUTSINKS) can be used to ensure the head sits below the near cortex and does not create a soft tissue irritation.

An additional measurement check can be used once drilling is completed.



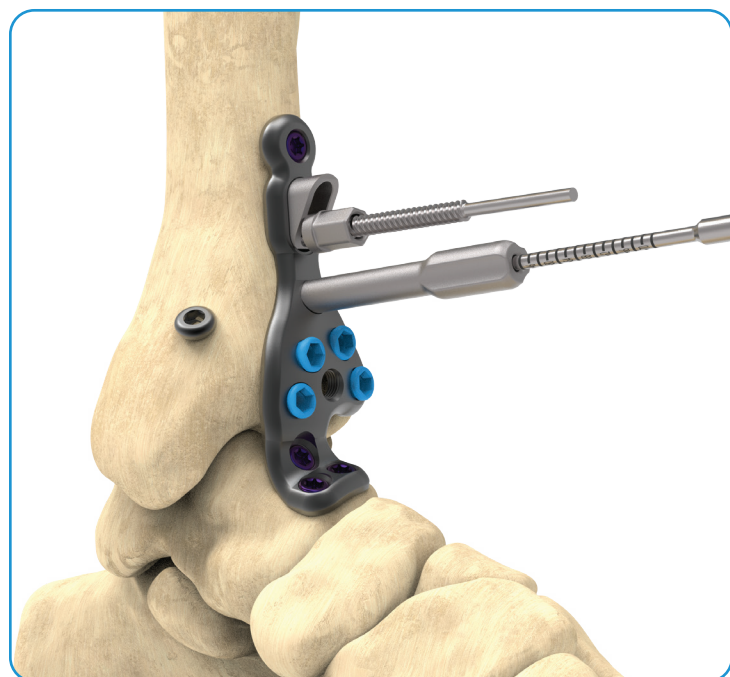
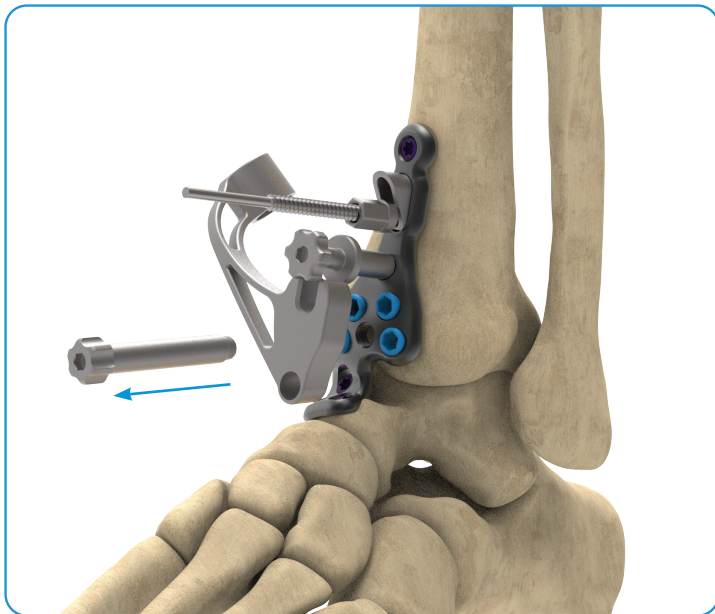
10. Crossing Screw Insertion

Insert the desired-length **6.0mm Cannulated Screw** into the bone through the **Soft Tissue Sleeve** using the **3.5mm Hex Driver**. Once the screw is fully seated, remove the **K-Wire** using a standard pin driver.

Stratum Ankle Fusion Plating System Crossing Screw Surgical Technique

11. Guide Removal

Remove the **Soft Tissue Sleeve** from the **Guide Arm**. Then remove **Locking Post "B"** from the plate and slide it out of the **Guide Arm**. Once **Locking Post "B"** has been removed, slide the **Guide Arm** off of **Locking Post "A"** and remove **Locking Post "A"** from the plate.



12. Screw Preparation

Since **Alignment Caps** have been removed, the **Threaded Drill Tube** (SA27DRLGD or SA35DRLGD) must be used to prepare the bone for the screw. Thread the **Drill Tube** into the selected hole. Using the appropriate calibrated **Drill Bit**, drill bicortically through the bone using the **Drill Tube** for alignment and measure off the top of the **Drill Tube**. A variable angle **Drill Guide** may be utilized by following step 4 from the General Surgical Technique. Follow steps 5 and 6 of the General Surgical Technique to select the appropriate sized screw and insert the screw into the plate.

Note: With the use of a **Crossing Screw**, some screw hole paths might be obstructed. Caution should be taken to not prepare any obstructed screw holes. The **Guide Attachment Points** section of the technique should be reviewed for any obstructed plate hole

Stratum Ankle Fusion Plating System Guide Attachment Points

The images below describe the holes that would be used to attach the corresponding guide arm.

Anterior Plates

● Locking Post "A" ● Locking Post "B" ● Obstructed Screw Hole



Standard Left

Standard Right

Small Left

Small Right

Anterior Plates with Wing



Standard Left

Standard Right

Small Left

Small Right

Stratum Ankle Fusion Plating System Guide Attachment Points

Lateral TT Plates

● Locking Post "A"
 ● Locking Post "B"
 ● Obstructed Screw Hole



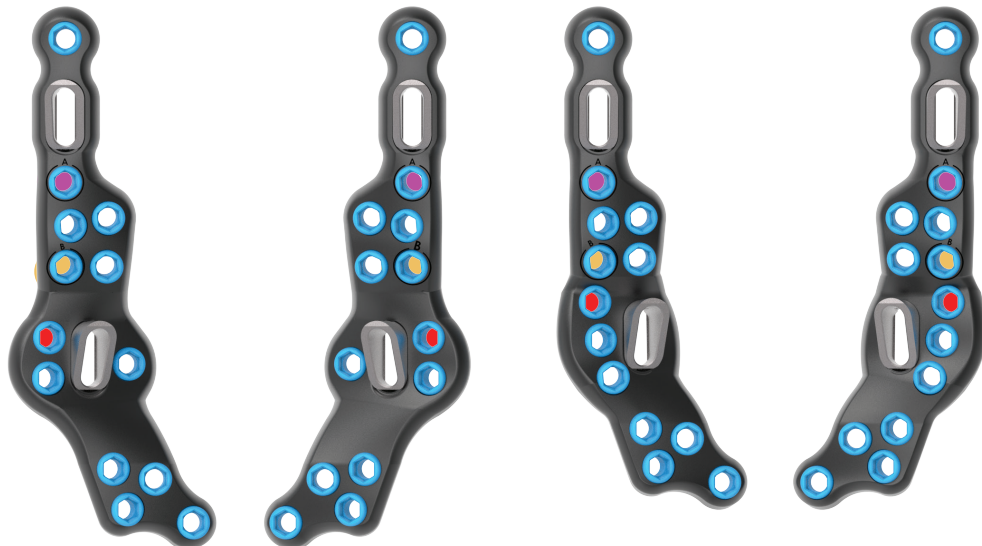
Standard Left

Standard Right

Small Left

Small Right

Lateral TTC Plates



Standard Left

Standard Right

Small Left

Small Right

Stratum Ankle Fusion Plating System Guide Attachment Points

The images below describe the holes that would be used to attach the corresponding guide arm.

Posterior TTC Plates

● Locking Post "A" ● Locking Post "B" ● Obstructed Screw Hole



Standard Left



Standard Right



Small Left



Small Right

Stratum Ankle

Fusion Plating System

Plate Ordering Information

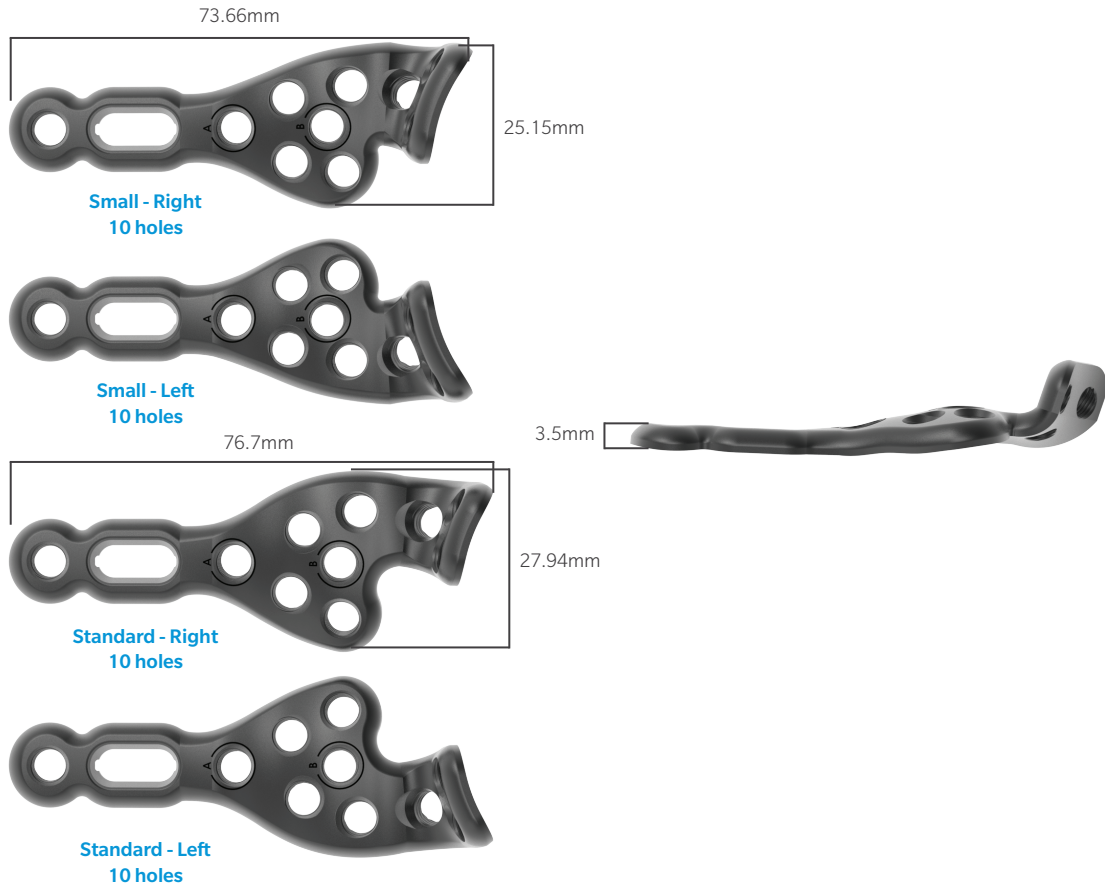
Part No.	Description
Anterior Plates	
SAANTSMLT	STRATUM Ankle Small Anterior Plate - Left
SAANTSMRT	STRATUM Ankle Small Anterior Plate - Right
SAANTSTLT	STRATUM Ankle Standard Anterior Plate - Left
SAANTSTRT	STRATUM Ankle Standard Anterior Plate - Right
Anterior Plates with Wing	
SAANTSMLTW	STRATUM Ankle Small Anterior Plate with Wing - Left
SAANTSMRTW	STRATUM Ankle Small Anterior Plate with Wing - Right
SAANTSTLTW	STRATUM Ankle Standard Anterior Plate with Wing - Left
SAANTSTRTW	STRATUM Ankle Standard Anterior Plate with Wing - Right
Lateral TT Plates	
SALTTSMMLT	STRATUM Ankle Small Lateral TT Plate - Left
SALTTSMRT	STRATUM Ankle Small Lateral TT Plate - Right
SALTTSTLT	STRATUM Ankle Standard Lateral TT Plate - Left
SALTTSTRT	STRATUM Ankle Standard Lateral TT Plate - Right
Lateral TTC Plates	
SALTTCSMLT	STRATUM Ankle Small Lateral TTC Plate - Left
SALTTCSMRT	STRATUM Ankle Small Lateral TTC Plate - Right
SALTTCSLT	STRATUM Ankle Standard Lateral TTC Plate - Left
SALTTCSRT	STRATUM Ankle Standard Lateral TTC Plate - Right
Posterior TTC Plates	
SAPTTCSMLT	STRATUM Ankle Small Posterior TTC Plate - Left
SAPTTCSMRT	STRATUM Ankle Small Posterior TTC Plate - Right
SAPTTCSLT	STRATUM Ankle Standard Posterior TTC Plate - Left
SAPTTCSRT	STRATUM Ankle Standard Posterior TTC Plate - Right

Stratum Ankle

Fusion Plating System

Plate Ordering Information

Anterior Fusion Plates



NOTE:

Trials included in Standard Instrument Kit

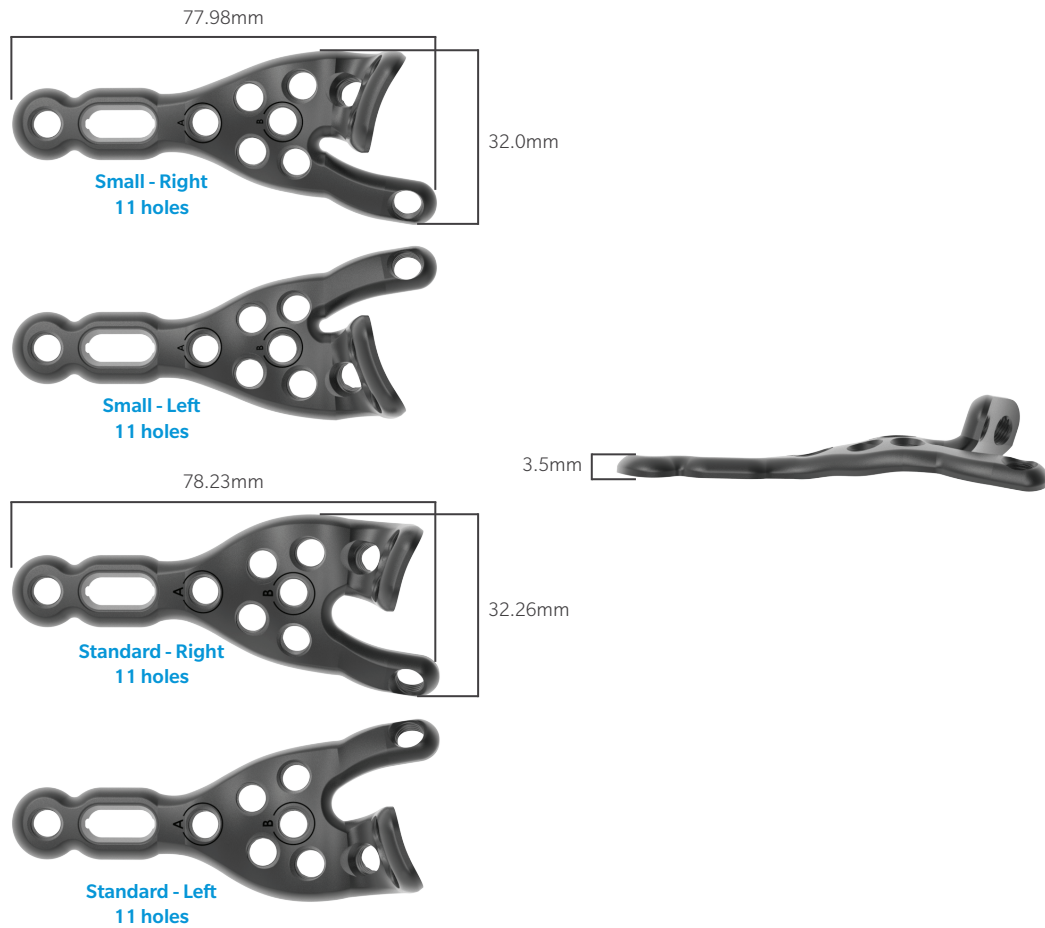
Part No.	Description
SAANTSMLT	STRATUM Ankle Small Anterior Plate - Left
SAANTS MRT	STRATUM Ankle Small Anterior Plate - Right
SAANTSTLT	STRATUM Ankle Standard Anterior Plate - Left
SAANTSTR T	STRATUM Ankle Standard Anterior Plate - Right

Stratum Ankle

Fusion Plating System

Plate Ordering Information

Anterior Fusion Plates with Wings

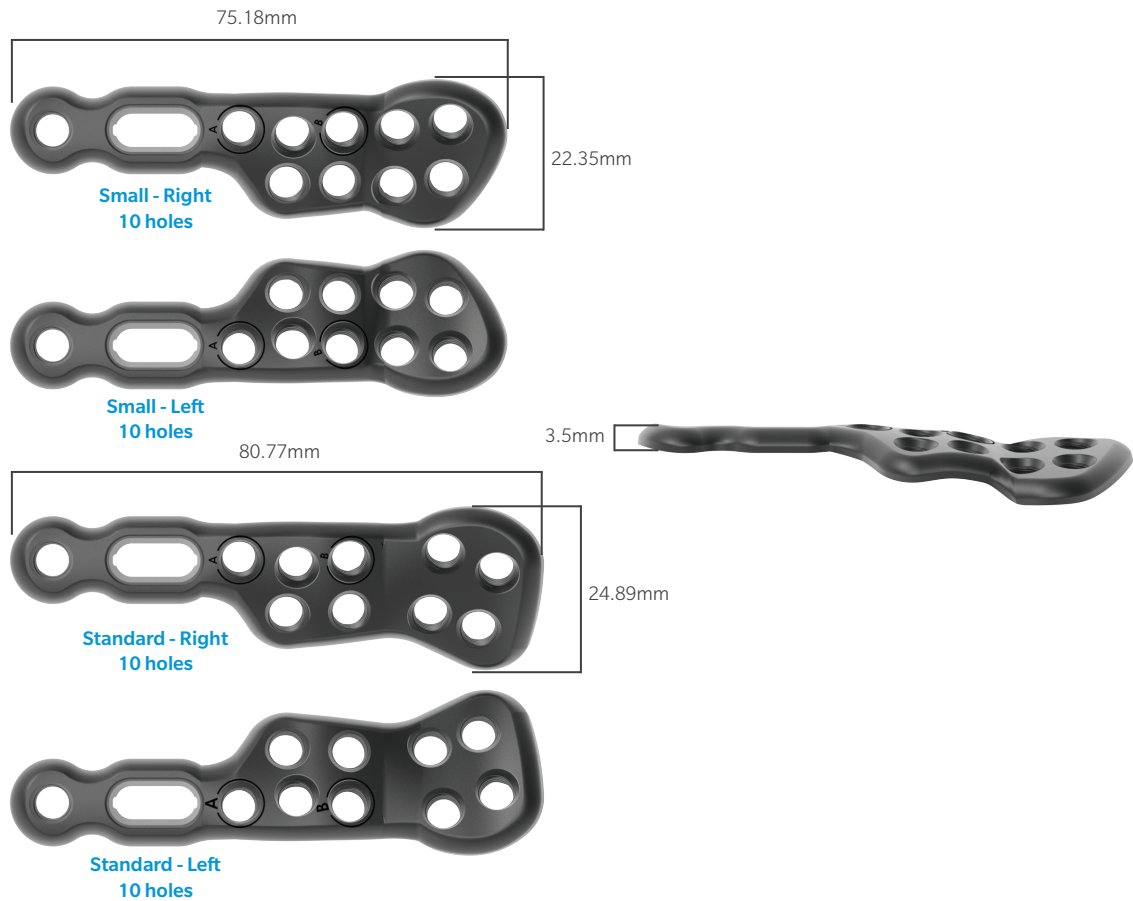


NOTE:
Trials included in Standard Instrument Kit

Part No.	Description
SAANTSMLTW	STRATUM Ankle Small Anterior Plate with Wing - Left
SAANTSMTW	STRATUM Ankle Small Anterior Plate with Wing - Right
SAANTSTLTW	STRATUM Ankle Standard Anterior Plate with Wing - Left
SAANTSTRW	STRATUM Ankle Standard Anterior Plate with Wing - Right

Stratum Ankle Fusion Plating System Plate Ordering Information

Lateral TT Fusion Plates



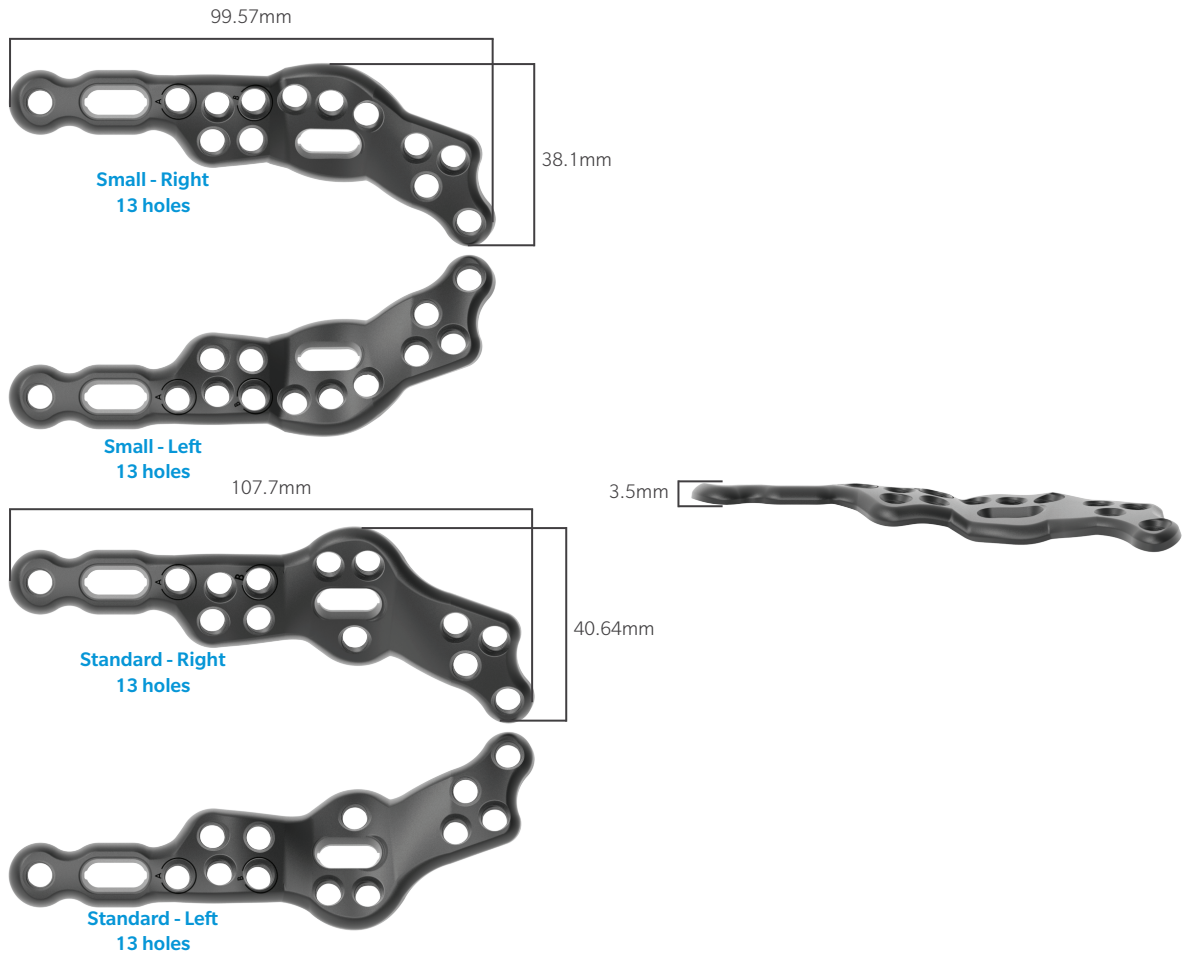
NOTE:

Trials included in Standard Instrument Kit

Part No.	Description
SALTTMLT	STRATUM Ankle Small Lateral TT Plate - Left
SALTTMRT	STRATUM Ankle Small Lateral TT Plate - Right
SALTTSTLT	STRATUM Ankle Standard Lateral TT Plate - Left
SALTTSTRT	STRATUM Ankle Standard Lateral TT Plate - Right

Stratum Ankle Fusion Plating System Plate Ordering Information

Lateral TTC Fusion Plates



NOTE:
Trials included in Standard Instrument Kit

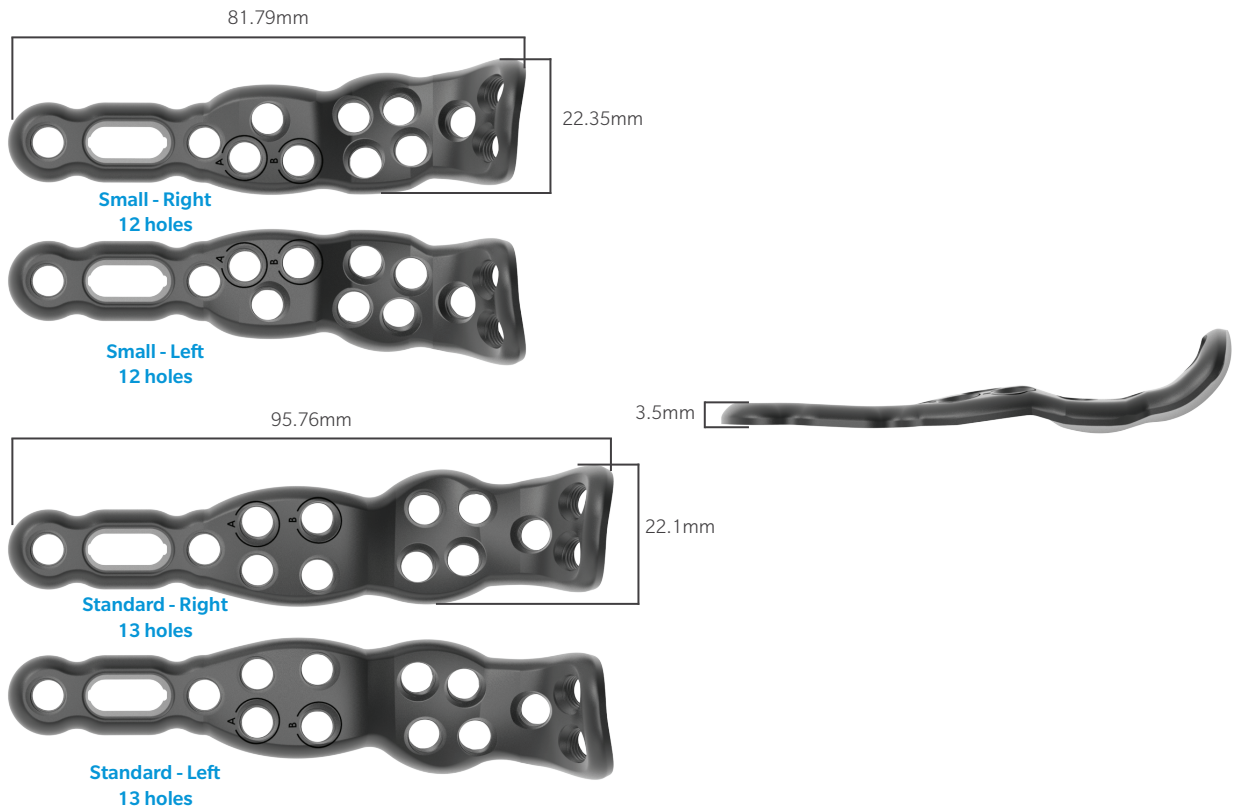
Part No.	Description
SALTTCSMLT	STRATUM Ankle Small Lateral TTC Plate - Left
SALTTCSMRT	STRATUM Ankle Small Lateral TTC Plate - Right
SALTTCSLT	STRATUM Ankle Standard Lateral TTC Plate - Left
SALTTCSRT	STRATUM Ankle Standard Lateral TTC Plate - Right

Stratum Ankle

Fusion Plating System

Plate Ordering Information

Posterior TTC Fusion Plates




NOTE:
Trials included in Standard Instrument Kit

Part No.	Description
SAPTTCSMLT	STRATUM Ankle Small Posterior TTC Plate - Left
SAPTTCSMRT	STRATUM Ankle Small Posterior TTC Plate - Right
SAPTTCSLT	STRATUM Ankle Standard Posterior TTC Plate - Left
SAPTTCSRT	STRATUM Ankle Standard Posterior TTC Plate - Right


Stratum Ankle Fusion Plating System Sterile Screw Ordering Information

6.0mm Cannulated Crossing Screw

	Part No.	Description
	SACAN6026	STRATUM Ankle Headed Cannulated Screw 6.0 x 26mm
	SACAN6028	STRATUM Ankle Headed Cannulated Screw 6.0 x 28mm
	SACAN6030	STRATUM Ankle Headed Cannulated Screw 6.0 x 30mm
	SACAN6032	STRATUM Ankle Headed Cannulated Screw 6.0 x 32mm
	SACAN6034	STRATUM Ankle Headed Cannulated Screw 6.0 x 34mm
	SACAN6036	STRATUM Ankle Headed Cannulated Screw 6.0 x 36mm
	SACAN6038	STRATUM Ankle Headed Cannulated Screw 6.0 x 38mm
	SACAN6040	STRATUM Ankle Headed Cannulated Screw 6.0 x 40mm
	SACAN6042	STRATUM Ankle Headed Cannulated Screw 6.0 x 42mm
	SACAN6044	STRATUM Ankle Headed Cannulated Screw 6.0 x 44mm
	SACAN6046	STRATUM Ankle Headed Cannulated Screw 6.0 x 46mm
	SACAN6048	STRATUM Ankle Headed Cannulated Screw 6.0 x 48mm
	SACAN6050	STRATUM Ankle Headed Cannulated Screw 6.0 x 50mm
	SACAN6052	STRATUM Ankle Headed Cannulated Screw 6.0 x 52mm
	SACAN6054	STRATUM Ankle Headed Cannulated Screw 6.0 x 54mm
	SACAN6056	STRATUM Ankle Headed Cannulated Screw 6.0 x 56mm
	SACAN6058	STRATUM Ankle Headed Cannulated Screw 6.0 x 58mm
	SACAN6060	STRATUM Ankle Headed Cannulated Screw 6.0 x 60mm
	SACAN6065	STRATUM Ankle Headed Cannulated Screw 6.0 x 65mm
	SACAN6070	STRATUM Ankle Headed Cannulated Screw 6.0 x 70mm
SACAN6075	STRATUM Ankle Headed Cannulated Screw 6.0 x 75mm	
SACAN6080	STRATUM Ankle Headed Cannulated Screw 6.0 x 80mm	
SACAN6085	STRATUM Ankle Headed Cannulated Screw 6.0 x 85mm	
SACAN6090	STRATUM Ankle Headed Cannulated Screw 6.0 x 90mm	


Stratum Ankle Fusion Plating System Non-Sterile Screw Ordering Information

3.5mm Locking Screw

	Part No.	Description
	SALS3516NS	STRATUM Ankle Locking Screw 3.5 x 16mm - Non-Sterile
	SALS3518NS	STRATUM Ankle Locking Screw 3.5 x 18mm - Non-Sterile
	SALS3520NS	STRATUM Ankle Locking Screw 3.5 x 20mm - Non-Sterile
	SALS3522NS	STRATUM Ankle Locking Screw 3.5 x 22mm - Non-Sterile
	SALS3524NS	STRATUM Ankle Locking Screw 3.5 x 24mm - Non-Sterile
	SALS3526NS	STRATUM Ankle Locking Screw 3.5 x 26mm - Non-Sterile
	SALS3528NS	STRATUM Ankle Locking Screw 3.5 x 28mm - Non-Sterile
	SALS3530NS	STRATUM Ankle Locking Screw 3.5 x 30mm - Non-Sterile
	SALS3532NS	STRATUM Ankle Locking Screw 3.5 x 32mm - Non-Sterile
	SALS3534NS	STRATUM Ankle Locking Screw 3.5 x 34mm - Non-Sterile
	SALS3536NS	STRATUM Ankle Locking Screw 3.5 x 36mm - Non-Sterile
	SALS3538NS	STRATUM Ankle Locking Screw 3.5 x 38mm - Non-Sterile
	SALS3540NS	STRATUM Ankle Locking Screw 3.5 x 40mm - Non-Sterile
	SALS3542NS	STRATUM Ankle Locking Screw 3.5 x 42mm - Non-Sterile
	SALS3544NS	STRATUM Ankle Locking Screw 3.5 x 44mm - Non-Sterile
	SALS3546NS	STRATUM Ankle Locking Screw 3.5 x 46mm - Non-Sterile
	SALS3548NS	STRATUM Ankle Locking Screw 3.5 x 48mm - Non-Sterile
	SALS3550NS	STRATUM Ankle Locking Screw 3.5 x 50mm - Non-Sterile
	SALS3552NS	STRATUM Ankle Locking Screw 3.5 x 52mm - Non-Sterile
	SALS3554NS	STRATUM Ankle Locking Screw 3.5 x 54mm - Non-Sterile
	SALS3556NS	STRATUM Ankle Locking Screw 3.5 x 56mm - Non-Sterile
	SALS3558NS	STRATUM Ankle Locking Screw 3.5 x 58mm - Non-Sterile
	SALS3560NS	STRATUM Ankle Locking Screw 3.5 x 60mm - Non-Sterile
	SALS3562NS	STRATUM Ankle Locking Screw 3.5 x 62mm - Non-Sterile
SALS3564NS	STRATUM Ankle Locking Screw 3.5 x 64mm - Non-Sterile	
SALS3566NS	STRATUM Ankle Locking Screw 3.5 x 66mm - Non-Sterile	
SALS3568NS	STRATUM Ankle Locking Screw 3.5 x 68mm - Non-Sterile	
SALS3570NS	STRATUM Ankle Locking Screw 3.5 x 70mm - Non-Sterile	


Stratum Ankle Fusion Plating System Non-Sterile Screw Ordering Information

3.5mm Non-Locking Screw

	Part No.	Description
	SANLS3516NS	STRATUM Ankle Non-Locking Screw 3.5 x 16mm - Non-Sterile
	SANLS3518NS	STRATUM Ankle Non-Locking Screw 3.5 x 18mm - Non-Sterile
	SANLS3520NS	STRATUM Ankle Non-Locking Screw 3.5 x 20mm - Non-Sterile
	SANLS3522NS	STRATUM Ankle Non-Locking Screw 3.5 x 22mm - Non-Sterile
	SANLS3524NS	STRATUM Ankle Non-Locking Screw 3.5 x 24mm - Non-Sterile
	SANLS3526NS	STRATUM Ankle Non-Locking Screw 3.5 x 26mm - Non-Sterile
	SANLS3528NS	STRATUM Ankle Non-Locking Screw 3.5 x 28mm - Non-Sterile
	SANLS3530NS	STRATUM Ankle Non-Locking Screw 3.5 x 30mm - Non-Sterile
	SANLS3532NS	STRATUM Ankle Non-Locking Screw 3.5 x 32mm - Non-Sterile
	SANLS3534NS	STRATUM Ankle Non-Locking Screw 3.5 x 34mm - Non-Sterile
	SANLS3536NS	STRATUM Ankle Non-Locking Screw 3.5 x 36mm - Non-Sterile
	SANLS3538NS	STRATUM Ankle Non-Locking Screw 3.5 x 38mm - Non-Sterile
	SANLS3540NS	STRATUM Ankle Non-Locking Screw 3.5 x 40mm - Non-Sterile
	SANLS3542NS	STRATUM Ankle Non-Locking Screw 3.5 x 42mm - Non-Sterile
	SANLS3544NS	STRATUM Ankle Non-Locking Screw 3.5 x 44mm - Non-Sterile
	SANLS3546NS	STRATUM Ankle Non-Locking Screw 3.5 x 46mm - Non-Sterile
	SANLS3548NS	STRATUM Ankle Non-Locking Screw 3.5 x 48mm - Non-Sterile
	SANLS3550NS	STRATUM Ankle Non-Locking Screw 3.5 x 50mm - Non-Sterile
	SANLS3552NS	STRATUM Ankle Non-Locking Screw 3.5 x 52mm - Non-Sterile
	SANLS3554NS	STRATUM Ankle Non-Locking Screw 3.5 x 54mm - Non-Sterile
	SANLS3556NS	STRATUM Ankle Non-Locking Screw 3.5 x 56mm - Non-Sterile
	SANLS3558NS	STRATUM Ankle Non-Locking Screw 3.5 x 58mm - Non-Sterile
	SANLS3560NS	STRATUM Ankle Non-Locking Screw 3.5 x 60mm - Non-Sterile
	SANLS3562NS	STRATUM Ankle Non-Locking Screw 3.5 x 62mm - Non-Sterile
	SANLS3564NS	STRATUM Ankle Non-Locking Screw 3.5 x 64mm - Non-Sterile
SANLS3566NS	STRATUM Ankle Non-Locking Screw 3.5 x 66mm - Non-Sterile	
SANLS3568NS	STRATUM Ankle Non-Locking Screw 3.5 x 68mm - Non-Sterile	
SANLS3570NS	STRATUM Ankle Non-Locking Screw 3.5 x 70mm - Non-Sterile	


Stratum Ankle Fusion Plating System Non-Sterile Screw Ordering Information

5.0mm Locking Screw

	Part No.	Description
	SALS5016NS	STRATUM Ankle Locking Screw 5.0 x 16mm - Non-Sterile
	SALS5018NS	STRATUM Ankle Locking Screw 5.0 x 18mm - Non-Sterile
	SALS5020NS	STRATUM Ankle Locking Screw 5.0 x 20mm - Non-Sterile
	SALS5022NS	STRATUM Ankle Locking Screw 5.0 x 22mm - Non-Sterile
	SALS5024NS	STRATUM Ankle Locking Screw 5.0 x 24mm - Non-Sterile
	SALS5026NS	STRATUM Ankle Locking Screw 5.0 x 26mm - Non-Sterile
	SALS5028NS	STRATUM Ankle Locking Screw 5.0 x 28mm - Non-Sterile
	SALS5030NS	STRATUM Ankle Locking Screw 5.0 x 30mm - Non-Sterile
	SALS5032NS	STRATUM Ankle Locking Screw 5.0 x 32mm - Non-Sterile
	SALS5034NS	STRATUM Ankle Locking Screw 5.0 x 34mm - Non-Sterile
	SALS5036NS	STRATUM Ankle Locking Screw 5.0 x 36mm - Non-Sterile
	SALS5038NS	STRATUM Ankle Locking Screw 5.0 x 38mm - Non-Sterile
	SALS5040NS	STRATUM Ankle Locking Screw 5.0 x 40mm - Non-Sterile
	SALS5042NS	STRATUM Ankle Locking Screw 5.0 x 42mm - Non-Sterile
	SALS5044NS	STRATUM Ankle Locking Screw 5.0 x 44mm - Non-Sterile
	SALS5046NS	STRATUM Ankle Locking Screw 5.0 x 46mm - Non-Sterile
	SALS5048NS	STRATUM Ankle Locking Screw 5.0 x 48mm - Non-Sterile
	SALS5050NS	STRATUM Ankle Locking Screw 5.0 x 50mm - Non-Sterile
	SALS5052NS	STRATUM Ankle Locking Screw 5.0 x 52mm - Non-Sterile
	SALS5054NS	STRATUM Ankle Locking Screw 5.0 x 54mm - Non-Sterile
	SALS5056NS	STRATUM Ankle Locking Screw 5.0 x 56mm - Non-Sterile
	SALS5058NS	STRATUM Ankle Locking Screw 5.0 x 58mm - Non-Sterile
	SALS5060NS	STRATUM Ankle Locking Screw 5.0 x 60mm - Non-Sterile
	SALS5062NS	STRATUM Ankle Locking Screw 5.0 x 62mm - Non-Sterile
	SALS5064NS	STRATUM Ankle Locking Screw 5.0 x 64mm - Non-Sterile
SALS5066NS	STRATUM Ankle Locking Screw 5.0 x 66mm - Non-Sterile	
SALS5068NS	STRATUM Ankle Locking Screw 5.0 x 68mm - Non-Sterile	
SALS5070NS	STRATUM Ankle Locking Screw 5.0 x 70mm - Non-Sterile	

Stratum Ankle Fusion Plating System Non-Sterile Screw Ordering Information

5.0mm Non-Locking Screw

	Part No.	Description
	SANLS5016NS	STRATUM Ankle Non-Locking Screw 5.0 x 16mm - Non-Sterile
	SANLS5018NS	STRATUM Ankle Non-Locking Screw 5.0 x 18mm - Non-Sterile
	SANLS5020NS	STRATUM Ankle Non-Locking Screw 5.0 x 20mm - Non-Sterile
	SANLS5022NS	STRATUM Ankle Non-Locking Screw 5.0 x 22mm - Non-Sterile
	SANLS5024NS	STRATUM Ankle Non-Locking Screw 5.0 x 24mm - Non-Sterile
	SANLS5026NS	STRATUM Ankle Non-Locking Screw 5.0 x 26mm - Non-Sterile
	SANLS5028NS	STRATUM Ankle Non-Locking Screw 5.0 x 28mm - Non-Sterile
	SANLS5030NS	STRATUM Ankle Non-Locking Screw 5.0 x 30mm - Non-Sterile
	SANLS5032NS	STRATUM Ankle Non-Locking Screw 5.0 x 32mm - Non-Sterile
	SANLS5034NS	STRATUM Ankle Non-Locking Screw 5.0 x 34mm - Non-Sterile
	SANLS5036NS	STRATUM Ankle Non-Locking Screw 5.0 x 36mm - Non-Sterile
	SANLS5038NS	STRATUM Ankle Non-Locking Screw 5.0 x 38mm - Non-Sterile
	SANLS5040NS	STRATUM Ankle Non-Locking Screw 5.0 x 40mm - Non-Sterile
	SANLS5042NS	STRATUM Ankle Non-Locking Screw 5.0 x 42mm - Non-Sterile
	SANLS5044NS	STRATUM Ankle Non-Locking Screw 5.0 x 44mm - Non-Sterile
	SANLS5046NS	STRATUM Ankle Non-Locking Screw 5.0 x 46mm - Non-Sterile
	SANLS5048NS	STRATUM Ankle Non-Locking Screw 5.0 x 48mm - Non-Sterile
	SANLS5050NS	STRATUM Ankle Non-Locking Screw 5.0 x 50mm - Non-Sterile
	SANLS5052NS	STRATUM Ankle Non-Locking Screw 5.0 x 52mm - Non-Sterile
	SANLS5054NS	STRATUM Ankle Non-Locking Screw 5.0 x 54mm - Non-Sterile
	SANLS5056NS	STRATUM Ankle Non-Locking Screw 5.0 x 56mm - Non-Sterile
	SANLS5058NS	STRATUM Ankle Non-Locking Screw 5.0 x 58mm - Non-Sterile
	SANLS5060NS	STRATUM Ankle Non-Locking Screw 5.0 x 60mm - Non-Sterile
	SANLS5062NS	STRATUM Ankle Non-Locking Screw 5.0 x 62mm - Non-Sterile
	SANLS5064NS	STRATUM Ankle Non-Locking Screw 5.0 x 64mm - Non-Sterile
SANLS5066NS	STRATUM Ankle Non-Locking Screw 5.0 x 66mm - Non-Sterile	
SANLS5068NS	STRATUM Ankle Non-Locking Screw 5.0 x 68mm - Non-Sterile	
SANLS5070NS	STRATUM Ankle Non-Locking Screw 5.0 x 70mm - Non-Sterile	

Stratum Ankle Fusion Plating System Sterile Disposables Ordering Information

Part No.	Description	Non-Sterile Part No.
Disposable Drill Bits		
SA27DRLS	STRATUM Ankle 2.7mm Drill - Sterile	SA27DRLNS
SA35DRLS	STRATUM Ankle 3.5mm Drill - Sterile	SA35DRLNS
SAOUTCANS	STRATUM Ankle Outrigger Cannulated Drill - Sterile	SAOUTCANS
SAOUTSINKS	STRATUM Ankle Outrigger Countersink - Sterile	SAOUTSINKNS
Drivers		
SAT20AOS	STRATUM Ankle T20 AO Driver - Sterile	SAT20AONS
SAOUT35DRVS	STRATUM Ankle Outrigger 3.5mm Hex Driver - Sterile	SAOT35DRVNS
Component		
SATHDWIRES	STRATUM Ankle Threaded Wire - Sterile	SATHDWIRENS
SACOMPNUITS	STRATUM Ankle Compression Nut - Sterile	SACOMPNUITSNS
SA20KWIRES	STRATUM Ankle 2.0mm K-Wires - Sterile - 4 pack	-
SAOUTKWIRES	STRATUM Ankle Outrigger K-Wires - Sterile - 3 pack	-
SAOLIVESTS	STRATUM Ankle Olive Wire Short - Sterile - 2 pack	SAOLIVESTNS
SAOLIVELGS	STRATUM Ankle Olive Wire Long - Sterile - 2 pack	SAOLIVELGNS
Replacement Items		
N/A	STRATUM Ankle Joint Distractor Screw	SAJDSCREW

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