ExtremiLock™

Ankle Fusion Plating System

OSTEOMED®

Surgical Technique

A highly nimble and responsive company, OsteoMed® is a leading global innovator, developer, manufacturer and marketer of specialty medical devices, surgical implants and powered surgical instruments.

ExtremiLock™ Ankle Fusion Plating System

The OsteoMed ExtremiLock Ankle Plating System provides a comprehensive solution for ankle fractures and ankle fusion management.

The Ankle Fusion Plating System includes anatomically contoured anterior, posterior, and lateral fusion plates to address TT (tibiotalar) and TTC (tibiotalocalcaneal) arthrodesis. The plates feature universal holes that accept 3.5 mm and 4.0 mm locking, nonlocking, and variable angle locking screws and 4.0 mm fully threaded cannulated screws. An ExtremiFix™ 5.5 mm partially threaded cannulated screw can be used in the Lateral Fusion Plate for tibiotalar compression through the 5.5 mm anatomic transfixation hole.

The OsteoMed ExtremiLock Ankle Plating System is intended for fixation of fractures, osteotomies, and nonunions of the tibia and fibula as well as arthrodesis of the ankle including the tibiotalar and tibiotalocalcaneal joint. The ExtremiLock Ankle Plating System implants are intended for single use only. The OsteoMed ExtremiLock Ankle Plating System can be used for adult and adolescent (12–21 years of age) patients.

Refer to the provided Instructions for Use for the complete Indications, Contraindications, Warnings, and Instructions for Use including cleaning and sterilization details.

	Definition
Warning	Indicates critical information about a potential serious outcome to the patient or the user.
Caution	Indicates instructions that must be followed in order to ensure the proper use of the device.
Note	Indicates information requiring special attention.

⚠	Warnings
1.	The OsteoMed ExtremiLock Ankle Plating System is recommended for use in patients with sufficient bone quality to sustain effectiveness and benefits of rigid fixation.
2.	Use of undersized implants in areas of high functional stress may lead to implant fracture and failure.
3.	Plates, screws, wires, or other appliances of dissimilar metals should not be used together in or near the implant site.
4.	Bending the plate excessively multiple times may weaken the plate and could result in implant failure.
5.	Use of screws in highly dense bone may lead to implant fracture or failure upon insertion.
6.	Drill using the appropriate pilot drill. Note: Use irrigation when drilling.
7.	When placing additional screws, ensure that subsequent screw placement does not interfere with previously placed screws.
8.	It is recommended to remove any fractured implants from patients during surgery. If unable to remove, notify patient.
9.	K-wires and Plate Holding TAKs™ must be removed from the bone fragment prior to compression hole fixation as it will impede the function of the compression hole.
10.	The appropriate drill guides for locking screws must be used every time a locking screw is inserted to ensure that the locking angle is within ±20° from perpendicular.
11.	Excessive or off-axis torque may compromise the mechanical lock between the screw and the plate.
12.	Excessive nonlocking screw angulation may cause increased screw head protrusion from the plate. Screw head prominence may cause soft tissue irritation.
13.	Ensure screws are fully seated/locked, depending on the type screw used to secure the plate.
14.	Multiple insertions of a locking screw into the same hole may compromise the locking ability of the screw with the plate. If additional insertions are desired, the ability to lock the screw to the plate may decrease. A nonlocking screw may be selected for that plate hole, or the surgeon may select a new plate hole location if locking capability is desired.
15.	Evaluation of the safety and compatibility of the device in the MR environment has not been conducted.
16.	In considering the evaluation for the safety and compatibility of these devices in the MR environment, the following concerns are raised based on the implant material, per MDD 93/42/EEC and ISO14630: magnetically induced displacement force and torque, radio frequency (RF) heating, and image artifacts.

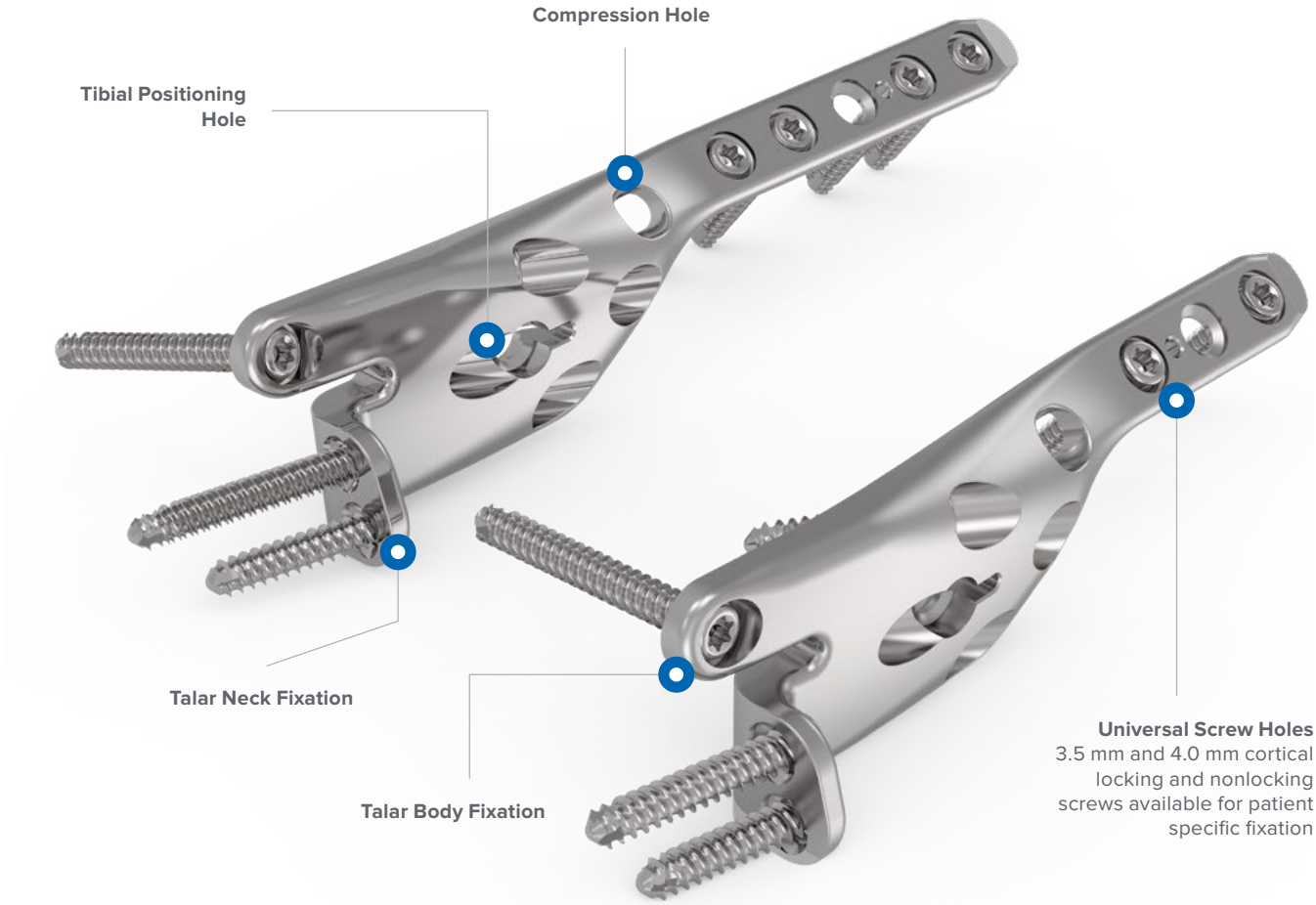
For product information, including indications, contraindications, warnings, precautions, potential adverse effects and patient counseling information, see the package insert or contact your local representative; visit www.osteomed.com for additional product information.

Table of Contents

ExtremiLock Ankle Fusion Plating System Features

Anterior Fusion Plates

The ExtremiLock Ankle Fusion Plating System includes left and right Anterior Fusion Plates. The plates are made from titanium alloy and accommodate 3.5 mm and 4.0 mm locking, nonlocking, and variable angle locking screws, as well as 4.0 mm cancellous nonlocking cannulated screws. The Anterior Fusion Plates feature multiple tibiotalar fixation options, angled-locking capability, compression holes, a bulleted tip to facilitate plate insertion, and an anatomic shape plate.



***3–Hole Anterior Fusion Plate, Left** (336-7103)

5–Hole Anterior Fusion Plate, Left (336-7105)

***7–Hole Anterior Fusion Plate, Left** (336-7107)

***7–Hole Anterior Fusion Plate, Right** (336-7207)

5–Hole Anterior Fusion Plate, Right (336-7205)

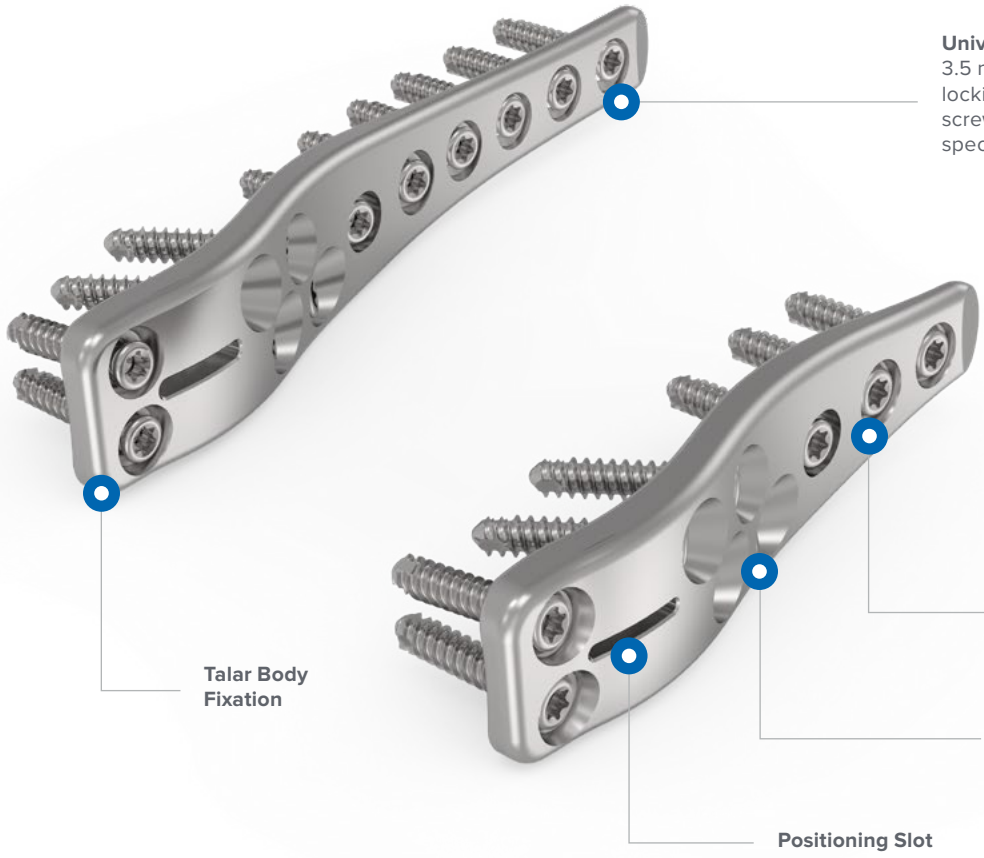
***3–Hole Anterior Fusion Plate, Right** (336-7203)

*Optional plates, available by request

ExtremiLock Ankle Fusion Plating System Features [continued]

Posterior Fusion Plates

The ExtremiLock Ankle Fusion Plating System includes a universal Posterior Fusion Plate. The plates are made from titanium alloy and accommodate 3.5 mm and 4.0 mm locking, nonlocking, and variable angle locking screws, as well as 4.0 mm cancellous nonlocking cannulated screws. The Posterior Fusion Plates feature multiple tibiotalar fixation options, angled-locking capability, compression holes, a bulleted tip to facilitate plate insertion and an anatomic shape plate.



3–Hole Posterior Fusion Plate, Universal
(336-8003)

***6–Hole Posterior Fusion Plate, Universal**
(336-8006)

*Optional plates, available by request

ExtremiLock Ankle Fusion Plating System Features [continued]

Lateral Tibiotalar (TT) Fusion Plate

The Lateral Tibiotalar (TT) Fusion Plate is designed for use in TT (tibiotalar) arthrodesis procedures through a lateral transfibular approach. This plate has been designed to optimized compression, strength, and construct stability by providing points of fixation in the tibia and talus.

Multiple Compression Options
Oblong holes, transfixation holes, and an anatomic transfixation 5.5 mm lag screw compression hole designed to cross the arthrodesis site within the plate maximizing uniform axial compression across the joint

Transfixation Holes

5.5 mm Transfixation Screw Hole

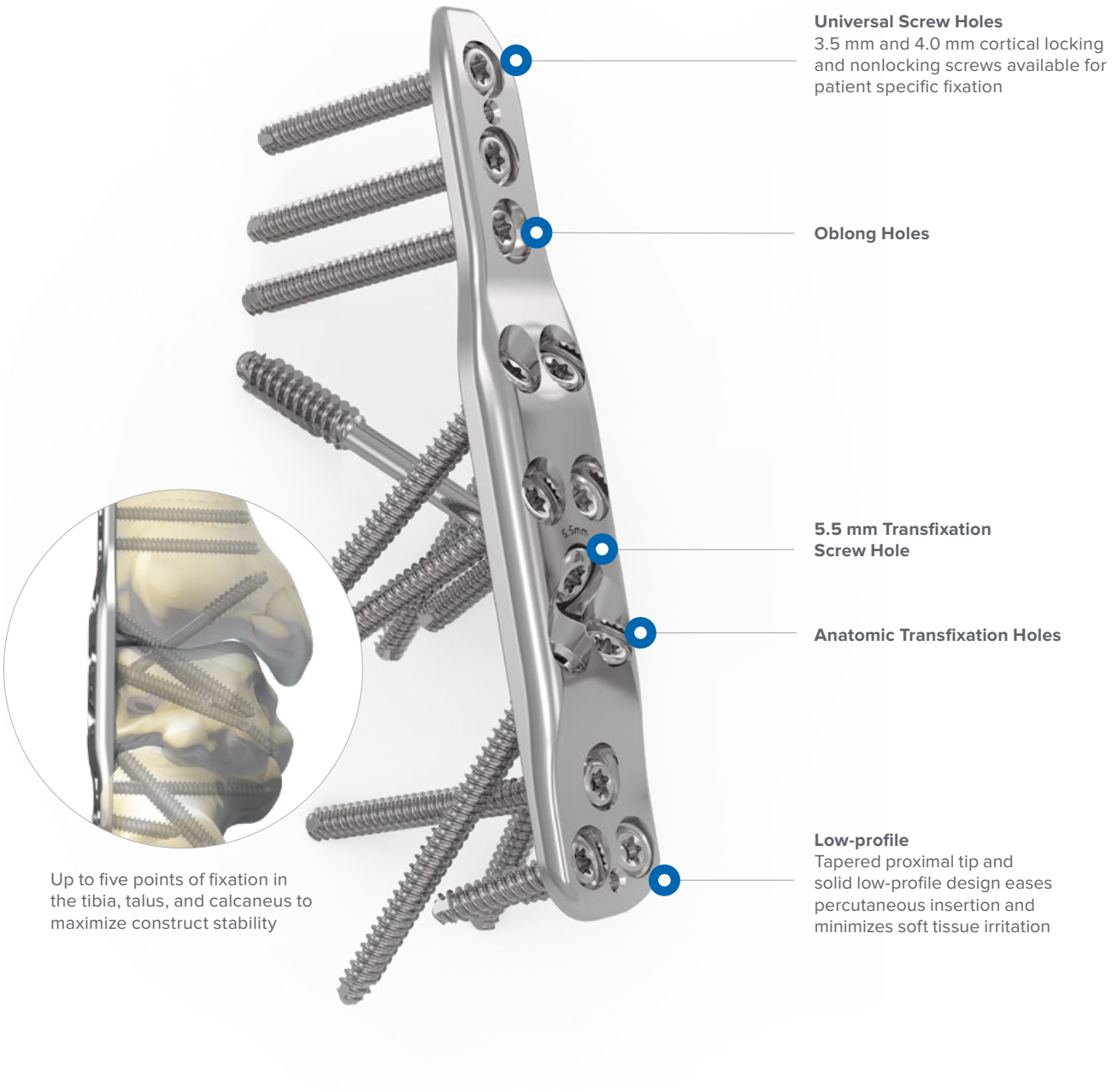
Low Profile
Tapered proximal tip and Solid low-profile design eases percutaneous insertion and minimizes soft tissue irritation

Lateral Tibiotalar (TT) Fusion Plate
(336-9001)

ExtremiLock Ankle Fusion Plating System Features [continued]

Lateral Tibiotalocalcaneal (TTC) Fusion Plate

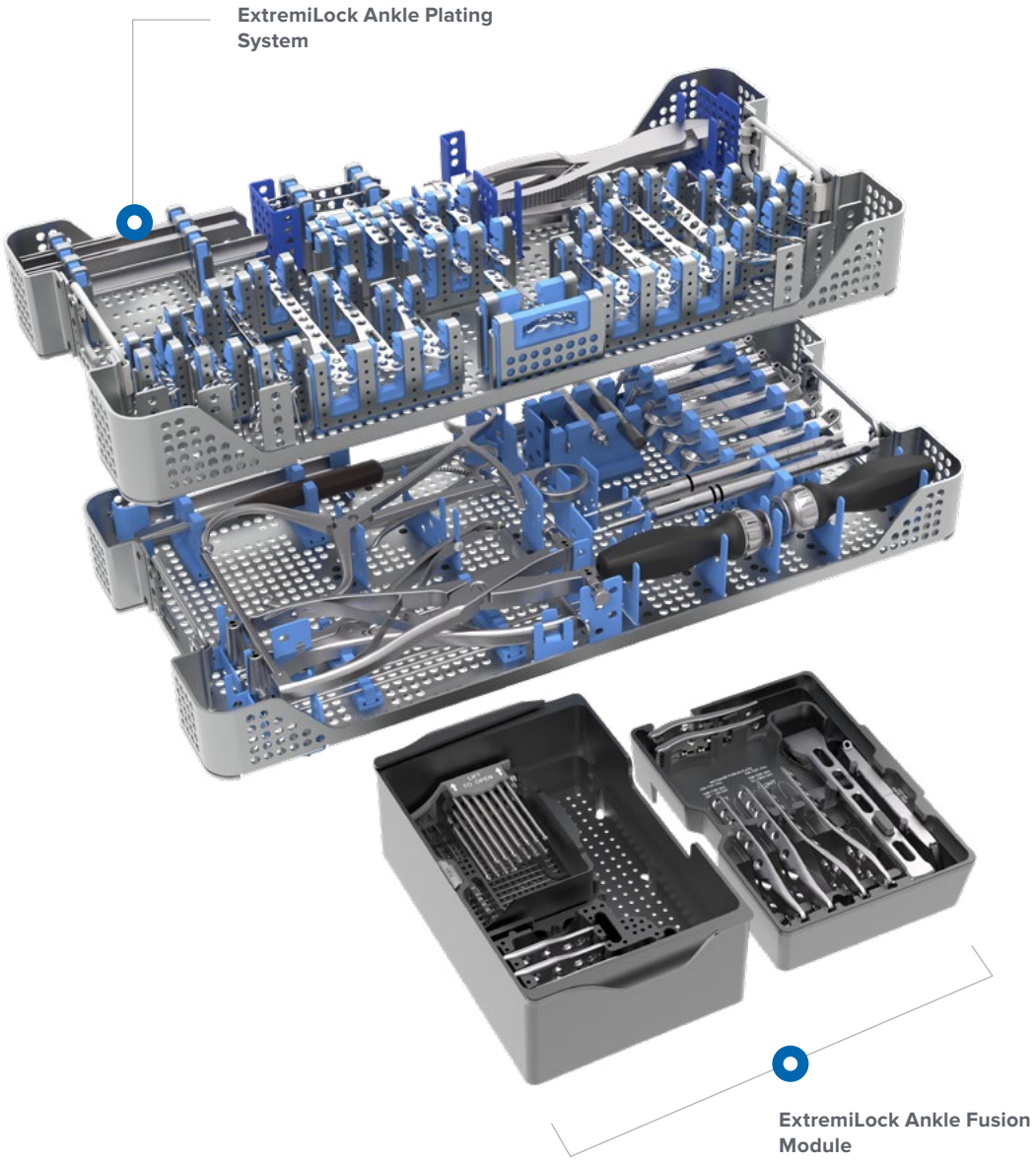
The Lateral Tibiotalocalcaneal (TTC) Fusion Plate is designed for use in TTC (tibiotalocalcaneal) arthrodesis procedures through a lateral transfibular approach. This plate has been designed to optimized compression, strength, and construct stability by providing up to five points of fixation in the tibia, talus, and calcaneus.



Tibiotalocalcaneal (TTC) Fusion Plate
(336-9002)

ExtremiLock Ankle Fusion Plating System Features [continued]

The Ankle Fusion Plates are housed within the ExtremiLock Ankle Fusion Module which resides at the bottom of the ExtremiLock Ankle Plating System tray. Instrumentation and screws required to implant the fusion plates are housed within the larger ExtremiLock Ankle Plating System tray. The Lateral Fusion Plates use 5.5 mm Partially Threaded Cannulated Screws for tibiotalar compression through the 5.5 mm anatomic fixation hole. ExtremiLock™ Cannulated Screw System | Midsize & Large is required for screw implant.



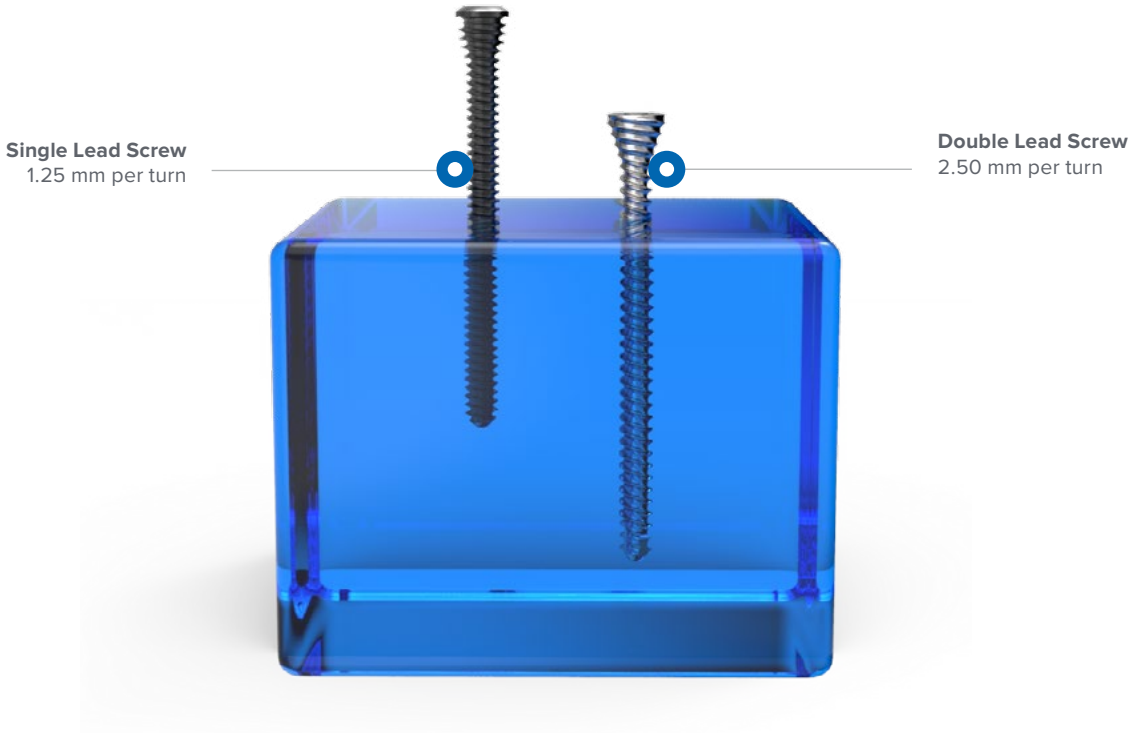
Screw Features

Cannulated Screws

The ExtremiLock Ankle Fusion Plating System features double lead screw technology and provides surgeons with a broad range of screw fixation options. All screws are made from titanium alloy and include: 3.5 mm and 4.0 mm cortical locking and nonlocking screws, as well as 4.0 mm cancellous nonlocking cannulated screws. Locking screws can be locked on-axis with the plate threads or up to 20° of angled-locking in any direction (40° conical). All screws feature a universal #15 hexalobe drive mechanism, are self-tapping and have a double lead thread pattern intended to quicken screw insertion over single lead screws. The 4.0 mm cannulated screws also incorporate a self-drilling feature to facilitate screw insertion.

Bone screw washers accommodate 3.5 mm and 4.0 mm nonlocking screws and are intended to prevent screws from breaking through the near cortex of the bone. Bone washers are not intended to be used with the fusion plates.

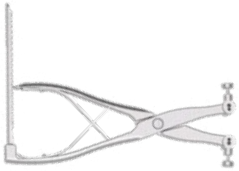
Locking screws can be locked on-axis with the plate threads or +/- 20° of variable angled locking in any direction (40° conical). Screws can be locked and unlocked up to three times without sacrificing the integrity of the plate/screw interface



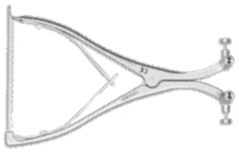
Instrument Overview

Plate Cutter
(220-0711)

Plate Bending Pliers
(320-1029)

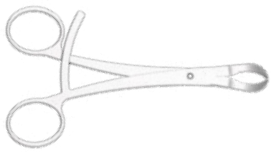


2.4 mm/3.2 mm Compressor Instrument
(320-2770)

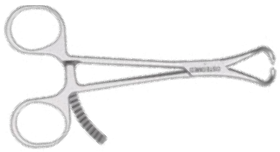


2.4 mm/3.2 mm Distractor Instrument
(320-2771)

Reduction Clamp
(320-2795)



Bone Clamp, Curved Lobster Claw
(316-0046)

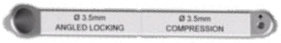


Bone Clamp
(320-0102)

2.5 mm Pilot/3.5 mm Over Drill Guide
(320-2235)

3.0 mm Pilot/4.0 mm Over Drill Guide
(320-2240)

4.0 mm Uniaxial Drill Guide
(320-2241)



3.5 mm Drill Guide–Angled/Compression
(320-2335)

4.0 mm Drill Guide–Angled/Compression
(320-2340)

Ratcheting Driver Handle
(320-2800)

Sharp Hook
(320-1024)

Hohmann Retractor 15 mm Blade
(320-0402)

Hohmann Retractor 8 mm Blade
(320-1021)

Curved Periosteal Elevator 6 mm Straight
(320-0401)

Slotted Plate Bender
(320-2780)

Slotted Plate Bender
(320-2781)

Plate File
(320-2702)

Box Chisel
(320-2790)

Instrument Overview [continued]

Driver Sleeve
(320-2720)

2.4 mm x 230 mm Threaded Tip Guide Pin
(320-2775)

3.2 mm x 230 mm Threaded Tip Guide Pin
(320-2776)

1.6 mm Threaded Holding TAK™
(337-0001)

T15 Screw Driver, Quick Release
(320-2400)

#15 Self-Retaining Cannulated Driver, Standard AO Quick Release
(316-1615)

3.5 mm/4.0 mm Countersink, Quick Release
(320-2735)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

3.5 mm Over Drill, Quick Release
(320-2035)

4.0 mm Over Drill, Quick Release
(320-2040)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

4.5/5.5 mm Depth Gauge
(316-1614)

Anterior Fusion Plate Surgical Technique

Technique Overview

All circular plate holes, except the tibia positioning hole, on the Anterior Fusion Plate can accommodate 3.5 mm and 4.0 mm locking and nonlocking screws as well as 4.0 mm cannulated screws. All locking screws can be locked on-axis with the plate threads or up to 20° angled-locking in any direction (40° conical).

Fixation should begin with the talus. The initial screw should be a nonlocking screw placed in the talar neck and angled slightly towards the talar body. Next, insert a locking screw into the adjacent talar neck screw hole. A locking screw should then be placed through the lateral talar body screw hole.

If joint compression through the plate is desired, place a nonlocking screw through the compression hole of the plate. Once anterior plate compression has been achieved, one or more transfixation screws should be placed through the plate to secure the mid and posterior talar body to the tibia. Place the first screw in lag fashion with overdrilling of the tibial bone. Fluoroscopy is recommended when inserting transfixation screws to get a true lateral of the talus and ensure adequate purchase in the talar body. The remaining screws can be placed per surgeon preference.

Warning: Care should be taken to not penetrate the subtalar joint.

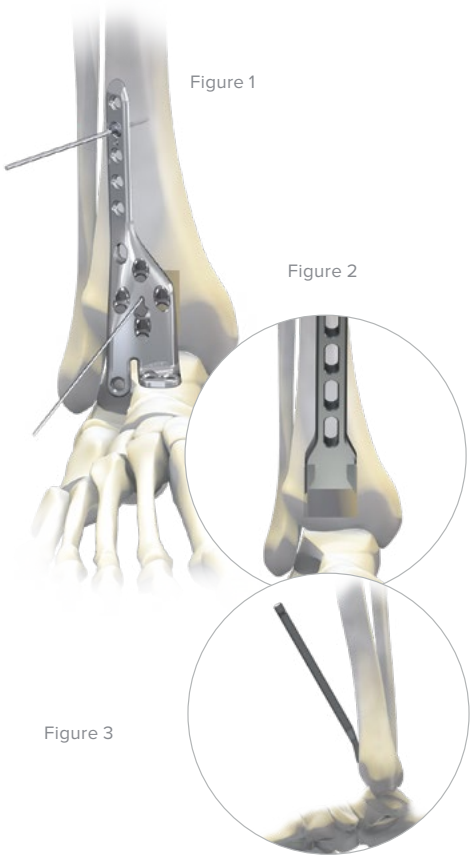


Figure 1

Figure 2

Figure 3

1 Implant Placement

Position the Anterior Fusion Plate so that the lateral body tab rests just lateral to the talar neck and the proximal end of the plate rests on the lateral surface of the tibia. If the neck component of the plate does not fit flush with the talus, use a rongeur to remove bone from the dorsal surface of the talar neck. Once the alignment of the plate is satisfactory use a sterile marker to identify the medial and lateral edges of the plate on the tibia.

Use the Box Chisel to flatten the anterior aspect of the tibia and decrease implant prominence. Begin with the chisel resting on the flat anterior surface of the tibia. Line up the chisel between the two lines representing the desired placement of the plate. Remove the amount of bone needed to make the tibial metaphyseal area level with the diaphysis. The plate should now sit flush within the fusion site with good contact to both the tibia and talus. A threaded plate holding TAK™ can be used to provide temporary stabilization to the plate.

5–Hole Anterior Fusion Plate
(336-7205)

1.6 mm Threaded Holding TAK™
(337-0001)

Box Chisel
(320-2790)

Anterior Fusion Plate Surgical Technique [continued]

2 Drill

If using locking screws, select the appropriate size angled locking/compression drill guide and insert the guide into the desired plate hole. Ensure the guide is fully engaged in the corresponding plate hole. The cone will ensure the drill remains within the 40° angled locking screw range (±20° from center). If using nonlocking screws, select the appropriate pilot/overdrill guide and insert the pilot drill side through the target plate hole. Continue to drill a pilot hole using the appropriate size pilot drill.

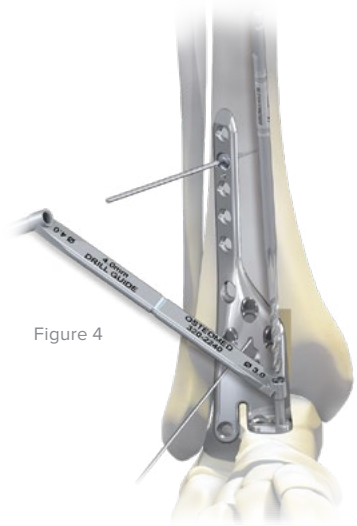


Figure 4

3 Determine Screw Length

Select the corresponding depth gauge to determine the correct screw length.

Figure 5

4 Screw Insertion

Select the appropriate screw and insert. Screw length can be verified using the length gauge on the screw block.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Locking screws can be locked/unlocked up to three times in a single hole prior to final tightening. Repeat as necessary for additional screw placement.

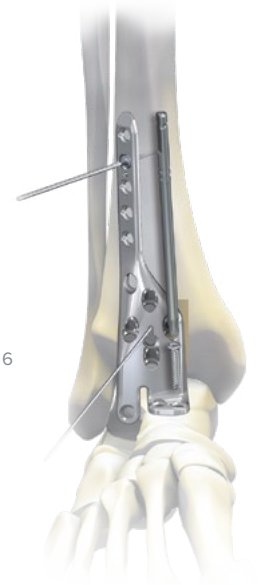


Figure 6

2.5 mm Pilot/3.5 mm Over Drill, Guide
(320-2235)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm Over Drill, Quick Release
(320-2035)

3.5 mm Drill Guide–Angled/ Compression
(320-2335)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

4.0 mm Drill Guide–Angled/ Compression
(320-2340)

3.0 mm Pilot/4.0 mm Over Drill Guide
(320-2240)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

4.0 mm Overdrill
(320-2040)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

3.5 mm Double Lead, Locking Screw
(338-35XX)

4.0 mm Double Lead, Nonlocking or Locking Screw
(337-40XX)

Anterior Fusion Plate Surgical Technique [continued]

Plate Fixation: Compression Hole

Compression screw holes are used for providing compression across the ankle joint and can only accommodate nonlocking screws. Compression is created as the screw travels to the distal side of the compression screw hole. If compression using the compression hole is desired, it should be performed prior to placing any transfixation screws.

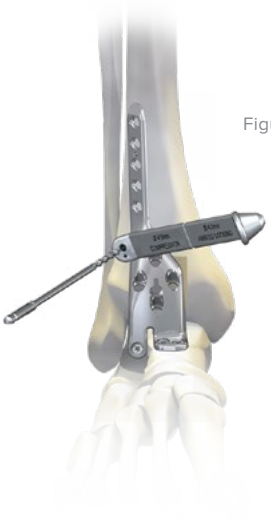


Figure 7

5 Drill

Select the appropriate angled/compression guide and insert into the target compression hole. The arrow should point toward the fusion site to drill eccentrically. To maximize compression, ensure the drill guide is fully engaged with the target compression hole. Drill using the appropriate size pilot drill.

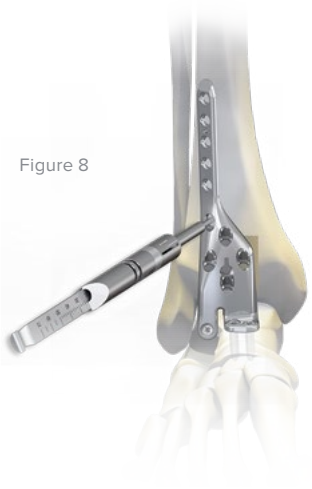


Figure 8

6 Determine Screw Length

Select the corresponding depth gauge to determine the correct screw length.

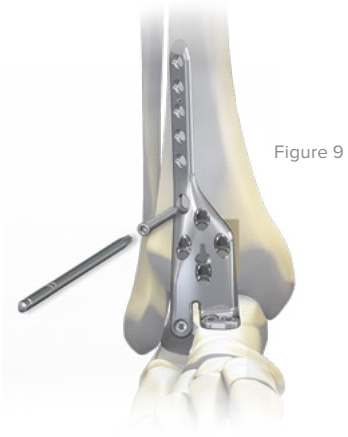


Figure 9

7 Screw Insertion

Select the appropriate screw and insert. Screw length can be verified using the length gauge on the screw block.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Anterior Fusion Plate
(336-7XXX)

3.5 mm Drill Guide–Angled/ Compression
(320-2335)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

4.0 mm Drill Guide–Angled/ Compression
(320-2340)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

3.5 mm Double Lead, Locking Screw
(338-35XX)

4.0 mm Double Lead, Nonlocking or Locking Screw
(337-40XX)

Anterior Fusion Plate Surgical Technique [continued]

Plate Fixation: Transfixation Hole

The ExtremiLock anterior fusion plates feature four transfixation screw holes that provide rigid fixation across the tibia into the talus. Each transfixation screw hole can accommodate 3.5 mm and 4.0 mm locking or nonlocking screws. It is recommended that the first transfixation screw be placed in lag fashion to gain posterior tibiotalar compression.

8 Drill

Select the appropriate overdrill and drill the proximal fragment to create a gliding hole. The Uniaxial Drill Guide may be used to position the drill in the center of the corresponding screw hole.

Caution: Care should be taken to ensure the joint is properly reduced prior to drilling through the distal fragment.

Figure 10

9 Determine Screw Length

Select the corresponding depth gauge to determine the correct screw length.

Figure 11

10 Screw Insertion

Select the appropriate screw and insert.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Verify fixation with fluoroscopy.

Figure 12

Anterior Fusion Plate
(336-7XXX)

4.0 mm Uniaxial Drill Guide
(320-2241)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm Over Drill, Quick Release
(320-2035)

T15 Screw Driver, Quick Release
320-2400

4.0 mm Over Drill, Quick Release
(320-2040)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

Anterior Fusion Plate Surgical Technique [continued]

Plate Fixation: Tibial Positioning Hole

The ExtremiLock anterior fusion plates feature a tibial positioning hole that allows anterior translation of the tibia relative to the talus. The tibial positioning hole can accommodate 3.5 mm and 4.0 mm nonlocking screws.

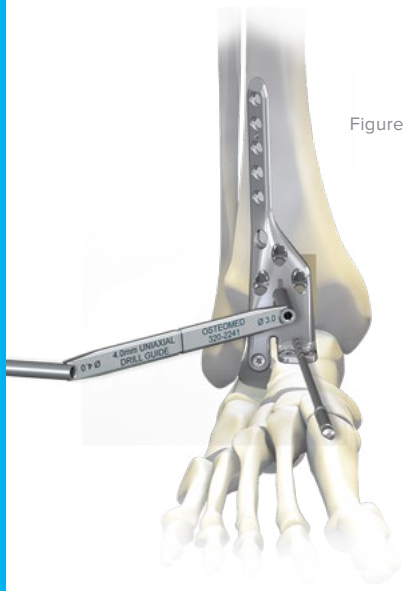


Figure 13

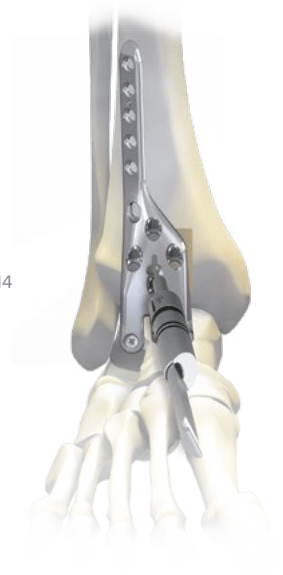


Figure 14

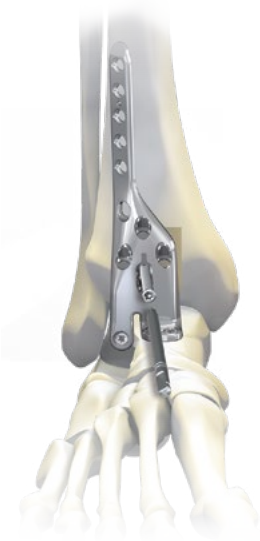


Figure 15

11 Drill

Select the Uniaxial Drill Guide and drill through the tibial positioning screw hole. The guide will position the screw in the center of the screw hole.

12 Determine Screw Length

Select the corresponding depth gauge to determine the correct screw length.

13 Screw Insertion

Select the appropriate nonlocking screw and insert. The screw can be used for either provisional or permanent fixation.

Caution: If the screw is used for permanent fixation, care should be taken to ensure the positioning screw does not interfere with any subsequent transfixation screws.

Anterior Fusion Plate
(336-7XXX)

4.0 mm Uniaxial Drill Guide
(320-2241)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm Double Lead, Locking Screw
(338-35XX)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

4.0 mm Double Lead, Locking Screw
(337-40XX)

Posterior Fusion Plate Surgical Technique

All circular plate holes on the posterior fusion plate can accommodate 3.5 mm and 4.0 mm locking and nonlocking screws as well as 4.0 mm cannulated screws. All locking screws can be locked on-axis with the plate threads or up to 20° angled-locking in any direction (40° conical).

Fixation should begin with the talus. With the plate position secured with a proximal plate holding TAK™ and the distal end of the plate positioned to allow adequate screw purchase in the talar neck, a locking screw or cannulated screw is placed in the lateral talar hole all the way to the anterior body wall. The second talar screw is placed in the medial hole. The optimal screw length should rest well within the talar neck.

With the talus secure, and a threaded guide pin still in the medial malleolus and anterior talus, the tibial screws are then placed. If compression through the plate is desired, place a nonlocking screw through the compression hole of the plate. Transfixation screws should be placed next. Proper positioning requires the use of fluoroscopy to ensure talar body capture without violation of the subtalar joint. If desired, the first screw can be placed in a lag fashion to achieve anterior joint compression. The remaining transfixation screws can be either locking or nonlocking. The remaining proximal tibial screws can be placed per surgeon preference.

Caution: Care should be taken to avoid the previously placed talar screws.

1 Incision

Position the patient in the prone position with the ankle hanging off the operating table. Place the nonoperative leg in a bent knee position to move the limb out of fluoroscopy view. After inflation of a high thigh tourniquet, the incision should be made directly posterior midline from the Achilles insertion to the gastrosoleus musculotendinous junction. A “Z” lengthening incision of the Achilles tendon is made to gain access to the deep compartment. After a midline incision in the deep fascia, the flexor hallucis muscle is identified and elevated off the back of the tibia and retracted medially. The posterior aspect of the tibiotalar joint is then exposed. Large posterior talar processes should be removed as well as any posterior tibial osteophytes.

2.4 mm/3.2 mm Compressor Instrument (320-2770)

2.4 mm/3.2 mm Distractor Instrument (320-2771)

3.2 mm x 230 mm Threaded Tip Guide Pin (320-2776)

2.4 mm x 230 mm Threaded Tip Guide Pin (320-2775)

Posterior Fusion Plate Surgical Technique [continued]

2 Joint Preparation [see appropriate instruments below]

Compressors and distractors are available to assist with joint preparation. Each instrument can accept either 2.4 mm or 3.2 mm guide pins and feature threaded knobs to ensure a rigid interface between the instrument and the selected guide pin. To gain access to the tibiotalar joint, the distractor instrument can be used with threaded pins placed in the talar body and tibia. If more access or better visualization is needed, the posterior malleolus, or portions of it, can be removed. The articular surfaces are cleared down to subchondral bone and the surface prepared as desired. Thin osteotomes can be used to remove any osteophytes that may be hindering the desired reduction position. Once satisfactory reduction is attained, a percutaneous threaded guide pin may be placed from the anterior portion of the medial malleolus into the talar body for provisional fixation.

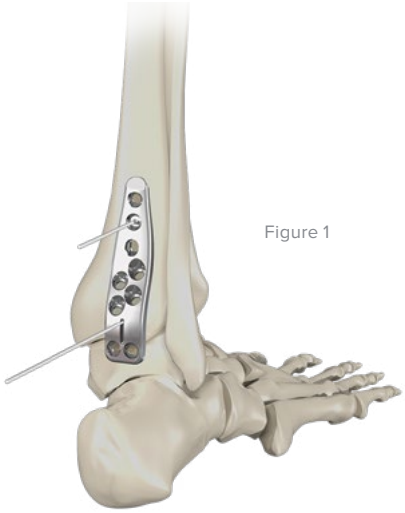


Figure 1

3 Implant Placement

The Posterior Ankle Fusion Plate is contoured to fit the average posterior lip of the tibia.

Caution: It is important when selecting the position of the plate to be aware of the subtalar joint. The plate should not contact the calcaneus or interfere with subtalar motion.

When the initial position is satisfactory, temporary fixation can be achieved with a threaded plate holding TAK™ or K-wire in the tibial positioning slot. The tibial positioning slot will allow for minor adjustments as the talar screws are placed. In order to finalize plate position, place a guide wire down the medial talar screw hole to ensure both alignment with the talar neck and the subtalar joint is not violated.

Posterior Fusion Plate
(336-800X)

1.6 mm Threaded Holding TAK™
(337-0001)

3.2 mm x 230 mm Threaded Tip Guide Pin
(320-2776)

2.4 mm x 230 mm Threaded Tip Guide Pin
(320-2775)

Posterior Fusion Plate Surgical Technique [continued]

4 Drill

If using locking screws, select the appropriate size angled locking/compression drill guide and insert the guide into the desired plate hole. Ensure the guide is fully engaged in the corresponding plate hole. The cone will ensure the drill remains within the 40° angled locking screw range (±20° from center). If using nonlocking screws, select the appropriate pilot/overdrill guide and insert the pilot drill side through the target plate hole. Continue to drill a pilot hole using the appropriate size pilot drill.

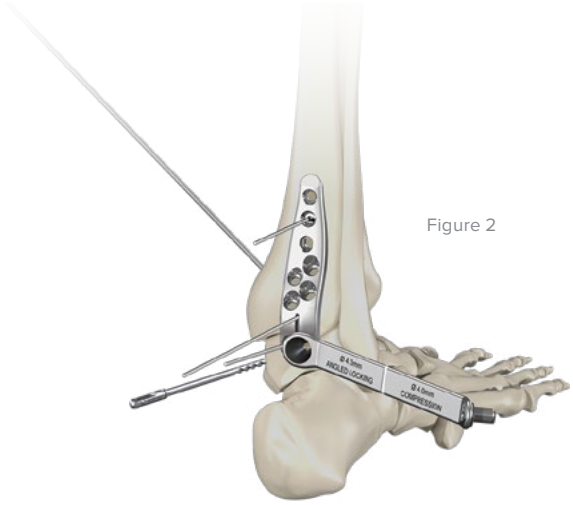


Figure 2

5 Determine Screw Length

Select the corresponding depth gauge to determine the correct screw length.

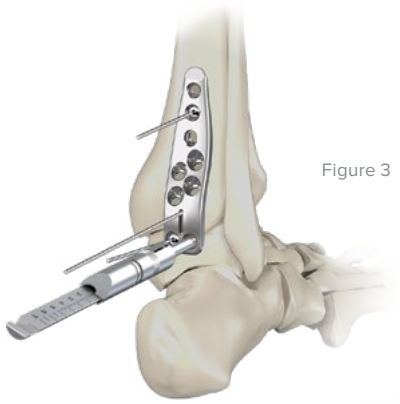


Figure 3

6 Screw Insertion

Select the appropriate screw and insert. Screw length can be verified using the length gauge on the screw block.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Locking screws can be locked/unlocked up to three times in a single hole prior to final tightening. Repeat as necessary for additional screw placement.

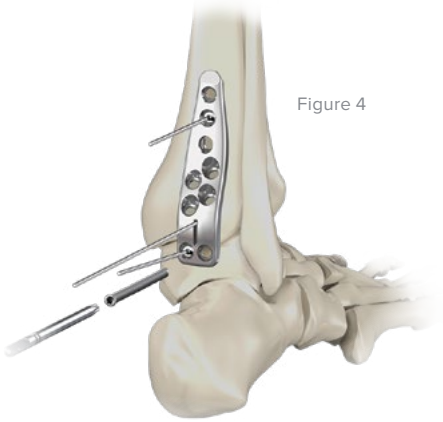


Figure 4

Posterior Fusion Plate
(336-800X)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

4.0 mm Drill Guide–Angled/ Compression
(320-2340)

3.0 mm Pilot/4.0 mm Over Drill Guide
(320-2240)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm Over Drill, Quick Release
(320-2035)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

4.0 mm Overdrill
(320-2040)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm Double Lead, Locking Screw
(338-35XX)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

4.0 mm Double Lead, Locking Screw
(337-40XX)

Posterior Fusion Plate Surgical Technique [continued]

Plate Fixation: Compression Hole

Compression screw holes are used for providing compression across the ankle joint and can only accommodate nonlocking screws. Compression is created as the screw travels toward the distal side of the compression screw hole.

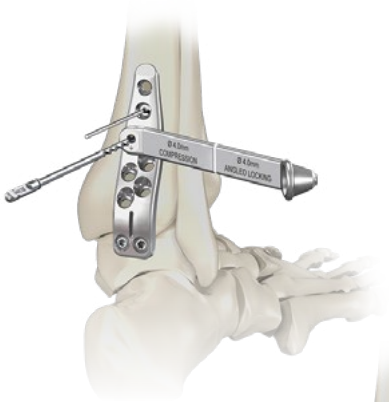


Figure 5

7 Drill

Select the appropriate angled/compression guide and insert into the target compression hole. The arrow should point toward the fusion site to drill eccentrically. To maximize compression, ensure the drill guide is fully engaged with the target compression hole. Drill using the appropriate size pilot drill.

Figure 6

8 Determine Screw Length

Select the corresponding depth gauge to determine the correct screw length.

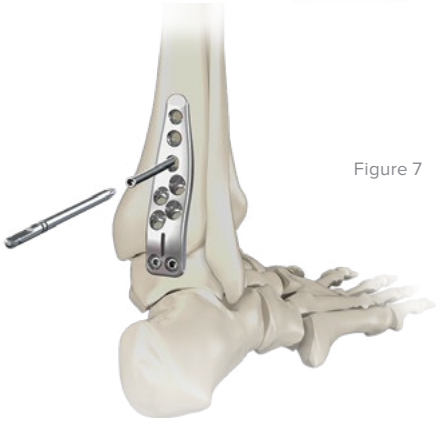


Figure 7

9 Screw Insertion

Select the appropriate screw and insert. Screw length can be verified using the length gauge on the screw block.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Posterior Fusion Plate
(336-800X)

3.5 mm Drill Guide–Angled/ Compression
(320-2335)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

4.0 mm Drill Guide–Angled/ Compression
(320-2340)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm Double Lead, Locking Screw
(338-35XX)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

4.0 mm Double Lead, Locking Screw
(337-40XX)

Posterior Fusion Plate Surgical Technique [continued]

Plate Fixation: Transfixation Hole

The ExtremiLock posterior fusion plates feature four transfixation screw holes that provide rigid fixation across the tibia into the talus. Each transfixation screw hole can accommodate 3.5 mm and 4.0 mm locking or nonlocking screws.

10 Drill

Select the Uniaxial Drill Guide and drill through the appropriate transfixation screw hole. The Uniaxial Drill Guide is intended to position the screw in the center of the corresponding screw hole.

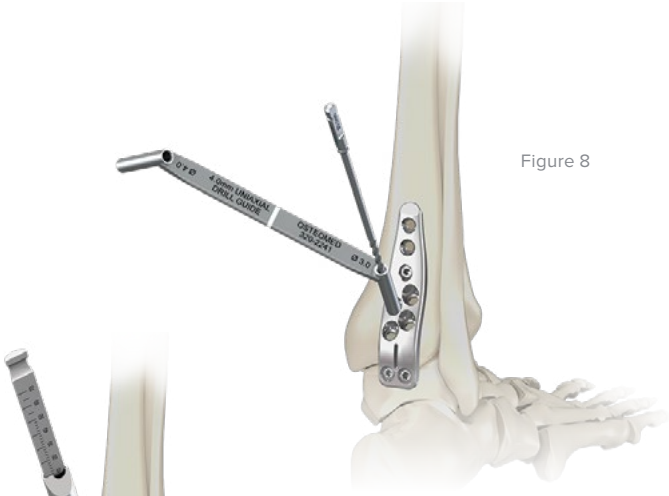


Figure 8

11 Determine Screw Length

Select the corresponding depth gauge to determine the correct screw length.

Figure 9

12 Screw Insertion

Select the appropriate screw and insert.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening. Verify fixation with fluoroscopy.

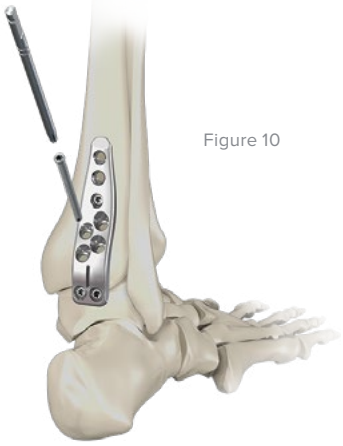


Figure 10

Posterior Fusion Plate
(336-800X)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm Double Lead, Locking Screw
(338-35XX)

4.0 mm Uniaxial Drill Guide
(320-2241)

4.0 mm Over Drill, Quick Release
(320-2040)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

4.0 mm Double Lead, Locking Screw
(337-40XX)

3.5 mm Over Drill, Quick Release
(320-2035)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

Lateral (TT and TTC) Fusion Plate Surgical Technique

Lateral Tibiotalar (TT) Fusion Plate

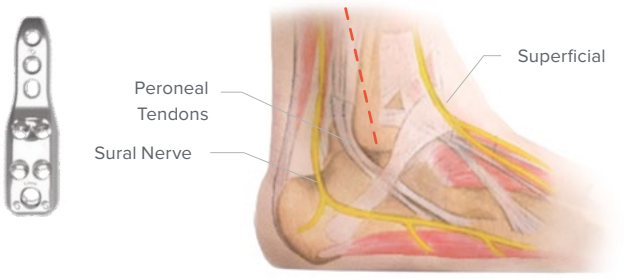


Figure 1

1A Incision

Use a standard linear lateral fibular approach to expose the fibula and tibiotalar joint.

Warning: Be aware of the peroneal tendons and avoid the sural and superficial peroneal nerves.

Lateral Tibiotalocalcaneal (TTC) Fusion Plate

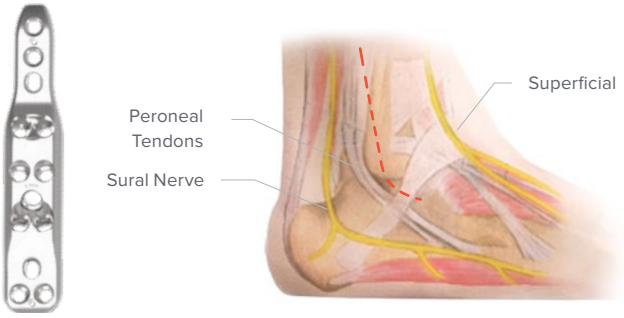


Figure 2

1B Incision

Use a standard lazy-L incision approach to expose the fibula, tibiotalar and subtalar joint.

Warning: Be aware of the peroneal tendons and avoid the sural and superficial peroneal nerves.

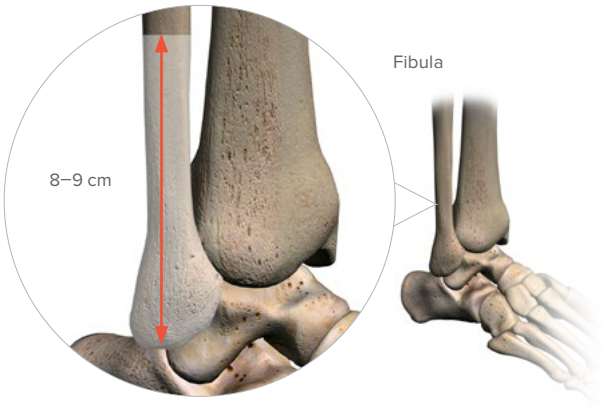


Figure 3

2 Fibular Resection

Resect approximately 8–9 cm of the distal fibula by creating a transverse or oblique osteotomy. Release the lateral collateral ligament distally in order to remove the distal portion of the fibula.

Note: The fibula can be used as autologous grafting. Fibula bone shavings may be morselized for additional bone graft if desired.

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

3 Tibiotalar (TT) Arthrodesis Joint Preparation and Tibiotalocalcaneal (TTC) Arthrodesis Joint Preparation

Prepare the joint surfaces for fusion. Joint preparation can be performed by using the distractor or lamina spreader instrument.

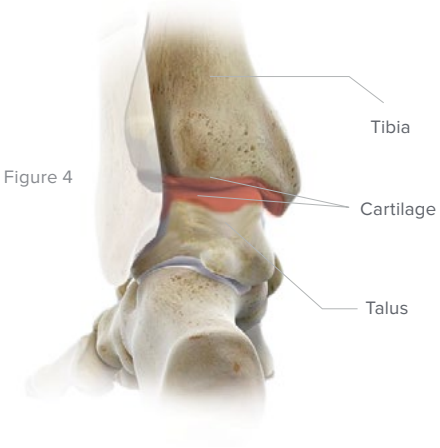


Figure 4

Tibiotalar (TT) Arthrodesis

Tibiotalar Joint

Insert a 3.2 mm threaded guide pin in both the talus and the tibia. Slide the distractor over the pins and squeeze the distractor handles until the joint is sufficiently distracted.

Note: If unable to distract the joint sufficiently, release additional ankle capsular structures.

Remove cartilage and osteophytes of the involved joint surfaces including the subchondral bone in order to expose cancellous bone. Ensure the joint surfaces are prepared congruently. A combination of instruments are often used to prepare the joint including osteotomes, drill bits, rongeurs, and/or burrs.

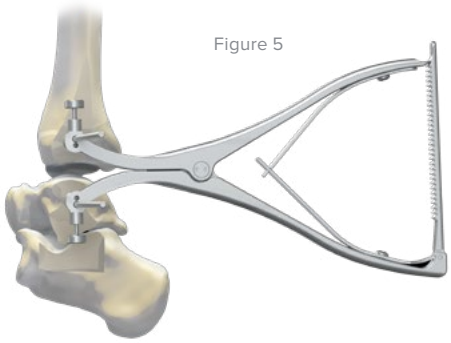


Figure 5

Tibiotalocalcaneal (TTC) Arthrodesis

TTC Technique

Insert a 3.2 mm threaded guide pin in the calcaneus. Slide the distractor over the pins and squeeze the distractor handles until the joint is sufficiently distracted.

Note: If unable to distract the joint sufficiently, release the lateral subtalar ligament structures including the interosseous ligament.

Remove cartilage and osteophytes of the involved joint surfaces including the subchondral bone in order to expose cancellous bone. Ensure the joint surfaces are prepared congruently. A combination of instruments are often used to prepare the joint including osteotomes, drill bits, rongeurs, and/or burrs.

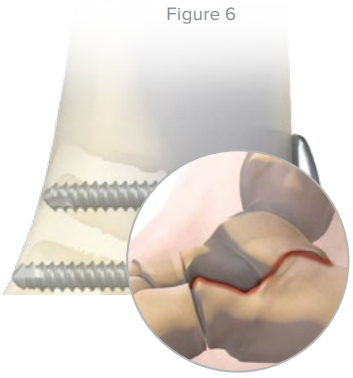


Figure 6

2.4 mm/3.2 mm Distractor Instrument (320-2771)

3.2 mm x 230 mm Threaded Tip Guide Pin (320-2776)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

Tibiotalar (TT) Arthrodesis

Figure 7

Tibiotalocalcaneal (TTC) Arthrodesis

Figure 8

4 Joint Alignment

If desired, temporarily position and fix the ankle joint with 2.4 mm guide wires. Assess joint rotation, anterior posterior translation, varus/valgus, and dorsiflexion/plantar flexion for the proposed arthrodesis.

Note: When using grafting material, place in the desired position before advancing guide wires into the joint. Guide wires should be positioned away from final plate placement.

Figure 9

5 Bone Preparation

Select the lateral TT or TTC fusion plate and place over the affected joint(s). Use fluoroscopy to ensure the plate is correctly positioned.

Note: An optional line can be created on each side of the plate using a surgical pen for reference.

Use the box chisel to prepare the lateral aspect of the tibia, talus, and calcaneus, if necessary, when preparing for the use of the TT or TTC plate. Remove a small amount of bone required to make a flat surface. The plate should sit flush along the fusion site with good contact to the tibia and talus and the calcaneus if using the TTC plate.

Note: Line up the chisel between the two lines representing the desired plate placement.

Box Chisel
(320-2790)

2.4 mm x 230 mm Threaded Tip Guide Pin
(320-2775)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

6 Temporary Plate Fixation

Tibiotalar (TT) Arthrodesis

Select the lateral TT fusion plate and temporarily fix to the bone using plate TAKs™. Align talar screws with superior portion of the talar dome and ensure the distal end of the plate sits fully on the talus and does not extend across the subtalar joint. Use fluoroscopy to verify plate position.

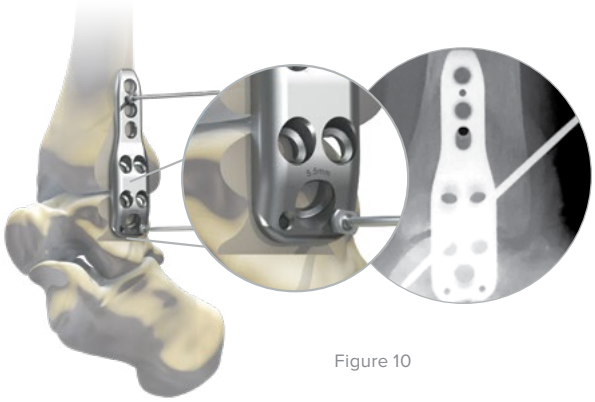


Figure 10

Tibiotalocalcaneal (TTC) Arthrodesis

Select the lateral TTC fusion plate and temporarily fix to the bone using plate TAKs™. Align talar screws with superior portion of the talar dome and ensure the distal end of the plate sits fully on the calcaneus. Use fluoroscopy to verify plate position.

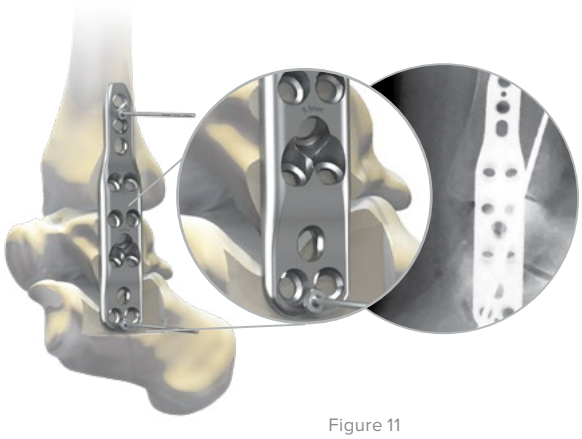


Figure 11

Lateral Tibiotalar (TT) Fusion Plate (336-9001)

Lateral Tibiotalocalcaneal (TTC) Fusion Plate (336-9002)

1.6 mm Threaded Holding TAK™ (337-0001)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

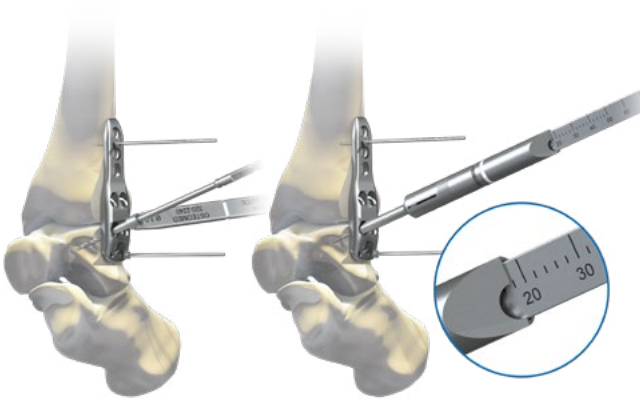


Figure 12

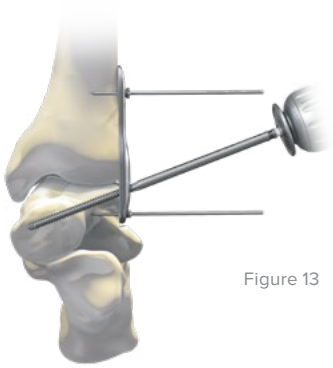


Figure 13

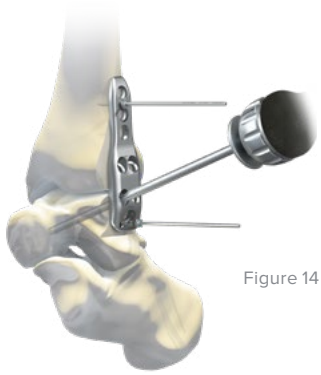


Figure 14

7 Talus Fixation

The lateral TT and TTC fusion plates can be used with either 3.5 mm or 4.0 mm locking and nonlocking screws. Select the appropriate size angled locking drill guide or pilot drill guide. Place drill guide into the anterior talar locking screw hole ensuring the guide is firmly against the plate hole and drill to the desired depth.

Verify drill bit depth under fluoroscopy.

Note: The cone guide will ensure the drill remains within the 40° angled locking screw range (± 20° from center).

Use depth gauge to measure the correct screw length.

Insert the measured screw length variable angle locking or nonlocking screw. Confirm screw position and length prior to final tightening. Drill and insert remaining posterior talus screw following the above technique.

Posterior Fusion Plate
(336-800X)

3.5 mm Drill Guide–Angled/ Compression
(320-2335)

2.5 mm Short Pilot Drill, Quick Release
(320-2025)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

4.0 mm Drill Guide–Angled/ Compression
(320-2340)

3.0 mm Short Pilot Drill, Quick Release
(320-2030)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm Double Lead, Locking Screw
(338-35XX)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

4.0 mm Double Lead, Locking Screw
(337-40XX)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

8A Tibiotalar Compression Options: 5.5 mm Transfixation Screw Hole

Place the appropriate guide wire/drill guide into the 5.5 mm transfixation screw hole and insert the guide wire into the bone to the appropriate depth.

Use fluoroscopy to verify the guide wire placement. Proper position of guide wire is critical for screw placement.

Place depth gauge over the guide wire until the depth gauge tip is positioned directly against the bone. The proximal end of the guide wire will indicate the screw length required. Subtract any anticipated interfragmentary compression resulting from screw insertion.

The ExtremiFix Midsize Cannulated Screws are self-drilling and self-tapping.

Note: In dense cortical bone, predrilling and tapping is recommended.

Place the guide wire/drill guide over the guide wire and drill to the desired depth. Drilling should not go beyond the tip of the guide wire.

Select the appropriate screw length and insert screw over the guide wire using the cannulated driver stem and ratcheting handle.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Remove tibial plate TAK™ and other temporary fixation prior to final tightening of the 5.5 mm cannulated headed screw. Advance the screw head until fully seated with the surface of the plate.

Final screw placement should be checked under fluoroscopy.

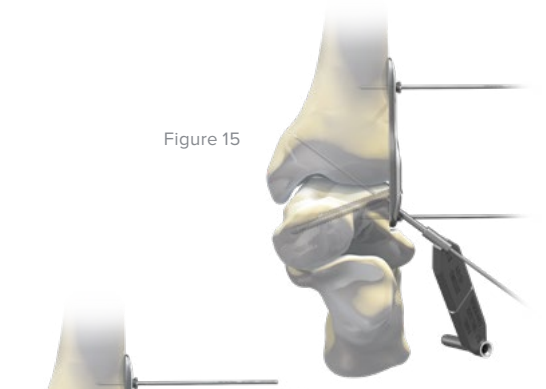


Figure 15

Figure 16

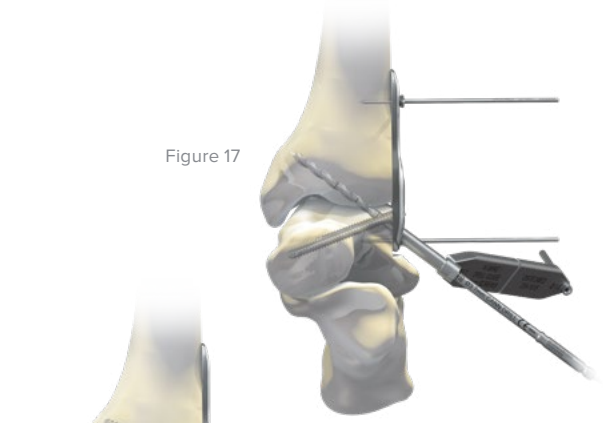


Figure 17

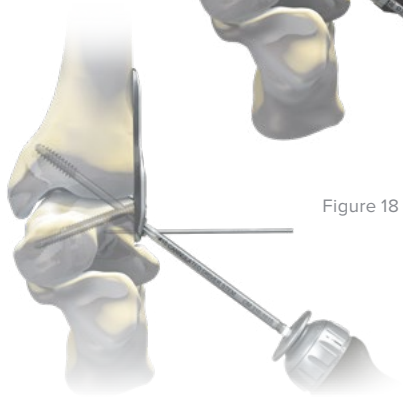


Figure 18

Lateral Tibiotalar (TT) Fusion Plate
(336-9001)

Ratcheting Driver Handle
(320-2800)

4.5/5.5 mm Depth Gauge
(316-1614)

1.6 mm x 180 mm Smooth Guidewire
(316-1601)

3.7 mm Cannulated Drill, Standard AO Quick Release
(316-1605)

#15 Self-Retaining Cannulated Driver, Standard AO Quick Release
(316-1615)

5.5 mm Cannulated Screw, Short Thread
(319-55XX)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

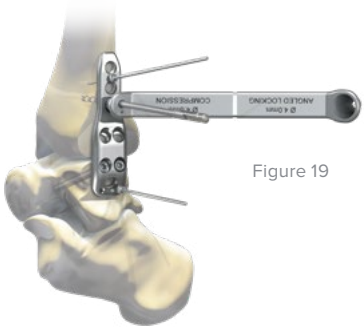


Figure 19

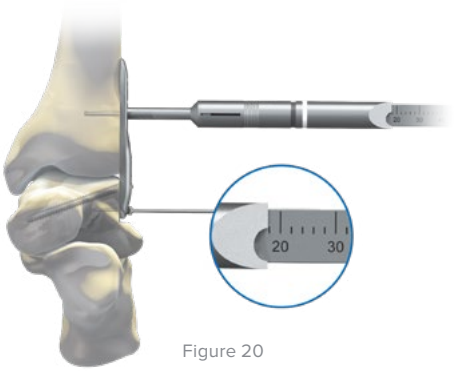


Figure 20

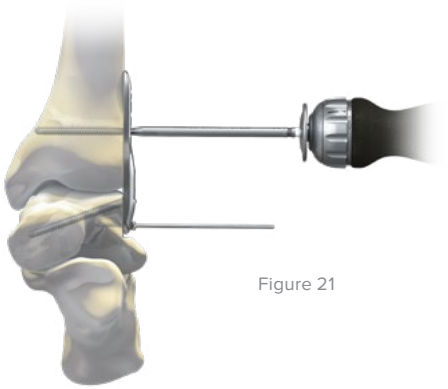


Figure 21

8B Tibiotalar Compression Options: Tibial Compression Hole (Eccentric Drilling Technique)

Place the compression drill guide into the compression screw hole. The arrow will be pointing toward the fusion site to drill eccentrically.

Drill to the desired depth. Verify drill bit depth under fluoroscopy. Use depth gauge to measure the screw length.

Insert the measured screw length nonlocking variable angle screw. Confirm screw position and length prior to final tightening.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Remove tibial plate TAK™ and other temporary fixation prior to final tightening of the nonlocking variable angle screw.

Lateral Tibiotalar (TT) Fusion Plate
(336-9001)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

3.5 mm Drill Guide–Angled/ Compression
(320-2335)

T15 Screw Driver, Quick Release
(320-2400)

Ratcheting Driver Handle
(320-2800)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.5 mm Double Lead, Locking Screw
(338-35XX)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

4.0 mm Double Lead, Locking Screw
(337-40XX)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

8C Tibiotalar Compression Options: Tibiotalar (TT) Transfixation Screws

The ExtremiLock lateral ankle fusion plate features two transfixation screw holes that provide rigid fixation across the tibia into the talus. It is recommended that the first transfixation screw be placed in lag fashion to gain tibiotalar compression.

Select the appropriate size overdrill guide. Place overdrill guide into the anterior transfixation screw hole to create a gliding hole and drill to the desired depth.

Select the appropriate size pilot drill guide. Place drill guide into the anterior transfixation screw hole ensuring the guide is through the plate hole, firmly on the bone and drill to the desired depth.

Verify drill bit depth under fluoroscopy.

Insert the measured screw length variable angle nonlocking screw. Confirm screw position and length prior to final tightening.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Remove tibial Plate TAK™ and other temporary fixation prior to final tightening of the nonlocking variable angle screw. Drill and insert remaining posterior Transfixation screw following the above technique.

Use depth gauge to measure the screw length.

Figure 22

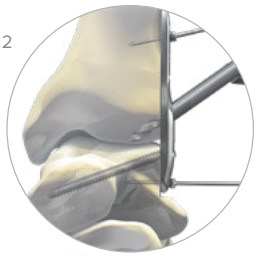


Figure 23

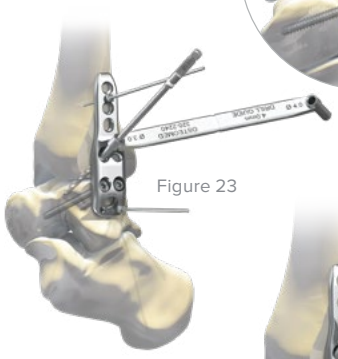


Figure 24

Figure 25

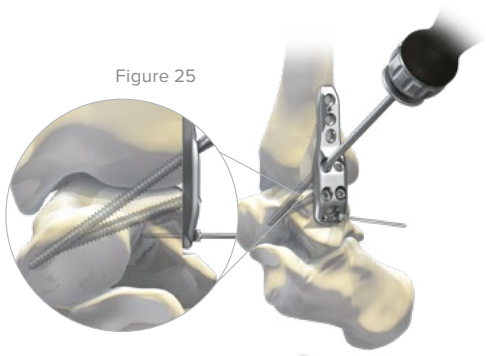
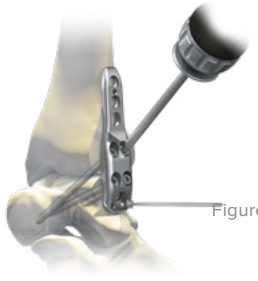


Figure 26



Lateral Tibiotalar (TT) Fusion Plate
(336-9001)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

4.0 mm Over Drill, Quick Release
(320-2040)

3.0 Pilot/4.0 mm Over Drill Guide
(320-2240)

T15 Screw Driver, Quick Release
(320-2400)

4.0 mm Over Drill, Quick Release
(320-2040)

3.5 Over Drill, Quick Release
(320-2035)

2.5 mm Pilot/3.5 mm Over Drill Guide
(320-2235)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

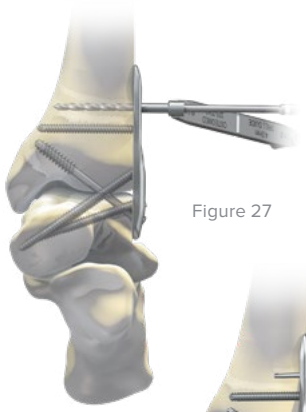


Figure 27

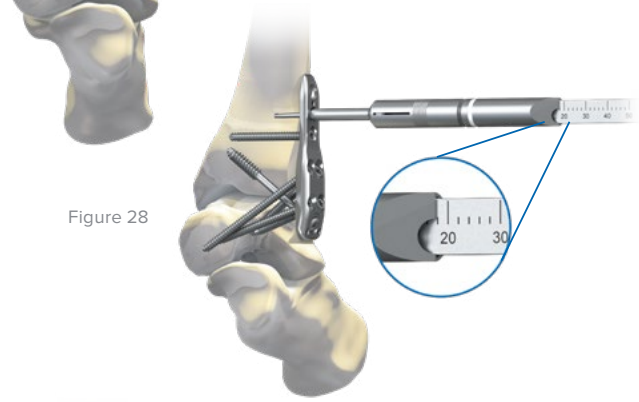


Figure 28

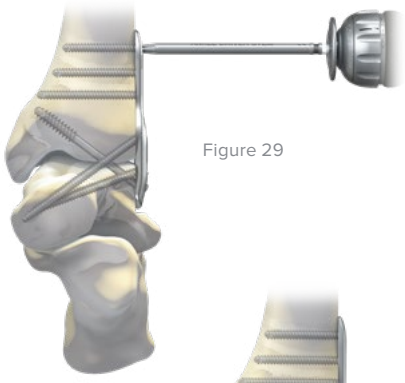


Figure 29

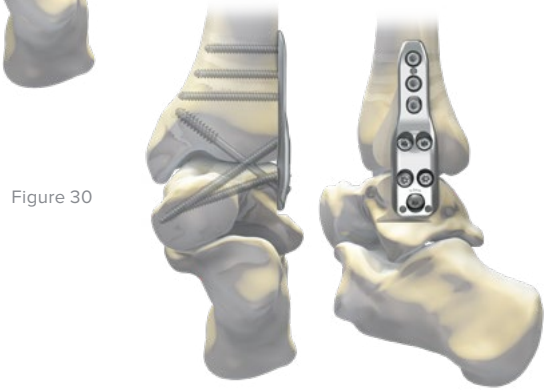


Figure 30

9 Tibia Fixation

The Lateral TT and TTC Fusion Plate can be used with either 3.5 mm or 4.0 mm locking and nonlocking screws. Select the appropriate size angled locking drill guide or pilot drill guide. Place drill guide into the tibia locking screw holes ensuring the guide is firmly against the plate hole and drill to the desired depth.

Verify drill bit depth under fluoroscopy.

Note: The cone guide will ensure the drill remains within the 40° angled locking screw range (± 20° from center)

Use depth gauge to measure the correct screw length.

Insert the measured screw length variable angle locking or nonlocking screw. Confirm screw position and length prior to final tightening.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Drill and insert remaining tibia screws following the above technique.

10 Final Lateral TT Fusion Plate Construct

Lateral Tibiotalar (TT) Fusion Plate
(336-9001)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

2.5 mm Pilot/3.5 mm Over Drill, Guide
(320-2235)

3.0 mm Pilot/4.0 mm Over Drill Guide
(320-2240)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

Ratcheting Driver Handle
(320-2800)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

3.5 mm Double Lead, Locking Screw
(338-35XX)

4.0 mm Double Lead, Locking Screw
(337-40XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

11A Subtalar Compression Options: Calcaneal Compression Hole (Eccentric Drilling Technique)

Place the compression drill guide into the compression screw hole. The arrow will be pointing toward the fusion site to drill eccentrically. Drill to the desired depth. Verify drill bit depth under fluoroscopy.

Use depth gauge to measure the screw length.

Insert the measured screw length nonlocking variable angle screw.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Remove calcaneal Plate TAK™ and other temporary fixation prior to final tightening of the nonlocking variable angle screw.

Confirm screw position and length prior to final tightening.

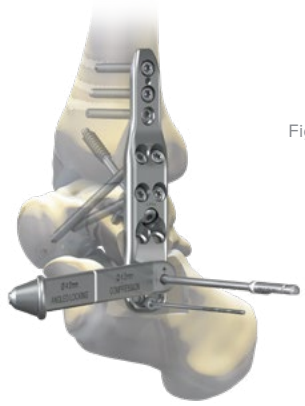


Figure 31

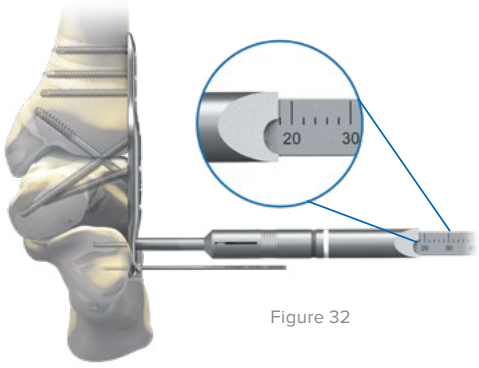


Figure 32

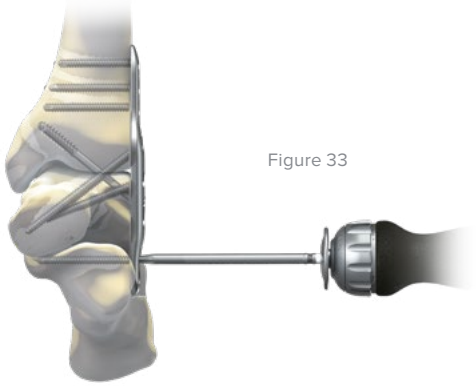


Figure 33

Lateral Tibiotalocalcaneal (TTC) Fusion Plate
(336-9002)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

3.5 mm Drill Guide–Angled/ Compression
(320-2335)

4.0 mm Drill Guide–Angled/ Compression
(320-2340)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

T15 Screw Driver, Quick Release
(320-2400)

Ratcheting Driver Handle
(320-2800)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

Figure 34

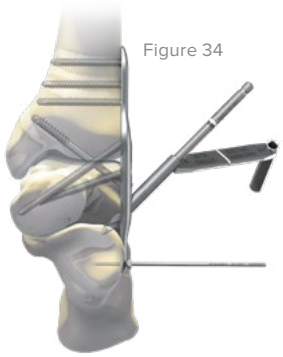


Figure 35

Figure 36

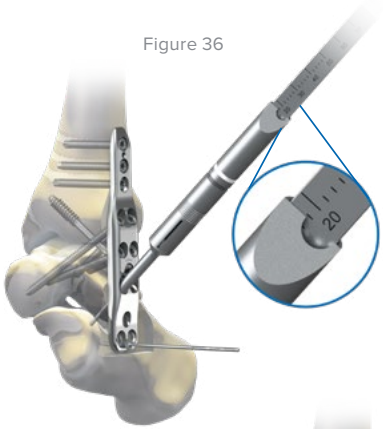


Figure 37

11B Subtalar Compression Options: Subtalar Transfixation Screws

The ExtremiLock lateral TTC fusion plate features two Transfixation screw holes that provide rigid fixation across the subtalar joint. It is recommended that the first transfixation screw be placed in lag fashion to gain Talocalcaneal compression.

Select the appropriate size overdrill guide. Place overdrill guide into the anterior talar transfixation screw hole to create a gliding hole and drill to the desired depth.

Select the appropriate size pilot drill guide. Place drill guide into the anterior talar transfixation screw hole ensuring the guide is through the plate hole, firmly on the bone and drill to the desired depth.

Verify drill bit depth under fluoroscopy.

Use depth gauge to measure the correct screw length.

Insert the measured screw length variable angle nonlocking screw. Confirm screw position and length prior to final tightening.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Remove calcaneal Plate TAK™ and other temporary fixation prior to final tightening of the nonlocking variable angle screw.

Drill and insert remaining posterior transfixation screw following the above technique.

Lateral Tibiotalocalcaneal (TTC) Fusion Plate
(336-9002)

Ratcheting Driver Handle
(320-2800)

T15 Screw Driver, Quick Release
(320-2400)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

3.5 mm Over Drill, Quick Release
(320-2035)

4.0 mm Over Drill, Quick Release
(320-2040)

2.5 mm Pilot/3.5 mm Over Drill Guide
(320-2235)

3.0 mm Pilot/4.0 mm Over Drill Guide
(320-2240)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

Lateral (TT and TTC) Fusion Plate Surgical Technique [continued]

12 Calcaneal Fixation

The Lateral TTC Fusion Plate can be used with either 3.5 mm or 4.0 mm locking and nonlocking screws. Select the appropriate size angled locking drill guide or pilot drill guide. Place drill guide into the anterior Calcaneal locking screw hole ensuring the guide is firmly against the plate hole and drill to the desired depth.

Verify drill bit depth under fluoroscopy

Note: The cone guide will ensure the drill remains within the 40° angled locking screw range (± 20° from center).

Use depth gauge to measure the correct screw length.

Insert the measured screw length variable angle locking or nonlocking screw. Confirm screw position and length prior to final tightening.

Caution: Final tightening should be performed using a two-finger technique to avoid over-tightening.

Drill and insert remaining Calcaneal screws following the above technique.

Figure 38

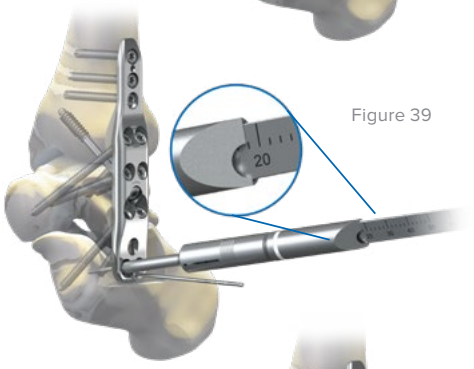


Figure 39

Figure 40

13 Final Lateral TTC Fusion Plate Construct

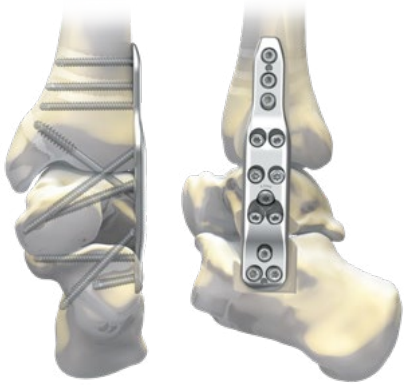


Figure 41

Lateral Tibiotalocalcaneal (TTC) Fusion Plate
(336-9002)

2.5 mm Long Pilot Drill, Quick Release
(320-2125)

2.5 mm Pilot/3.5 mm Over Drill, Guide
(320-2235)

3.0 mm Pilot/4.0 mm Over Drill Guide
(320-2240)

3.0 mm Long Pilot Drill, Quick Release
(320-2130)

T15 Screw Driver, Quick Release
(320-2400)

3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm
(320-2535)

Ratcheting Driver Handle
(320-2800)

3.5 mm Double Lead, Nonlocking Screw
(337-35XX)

3.5 mm Double Lead, Locking Screw
(338-35XX)

4.0 mm Double Lead, Locking Screw
(337-40XX)

4.0 mm Double Lead, Nonlocking Screw
(337-40XX)

Ordering Information

Tray Components

Implants and Instruments

1	ExtremiLock Ankle Fusion Module	320-2933
2	ExtremiLock Ankle Fusion Removable Tray	320-2919
3	3–Hole Posterior Fusion Plate, Universal	336-8003
4	5–Hole Anterior Fusion Plate, Left	336-7105
5	5–Hole Anterior Fusion Plate, Right	336-7205
6	Box Chisel	320-2790
7	4.0 mm Uniaxial Drill Guide	320-2241
8	1.6 mm Threaded Holding TAK™	337-0001
9	Lateral Tibiotalar (TT) Fusion Plate	336-9001
10	Lateral Tibiotalocalcaneal (TTC) Fusion Plate	336-9002

Additional Components

Optional Implants

*3–Hole Anterior Fusion Plate, Left	336-7103
*3–Hole Anterior Fusion Plate, Right	336-7203
*6–Hole Posterior Fusion Plate, Universal	336-8006
*7–Hole Anterior Fusion Plate, Left	336-7107
*7–Hole Anterior Fusion Plate, Right	336-7207

*Optional plates are not housed in the tray and are available by special request only

Screws

Double Lead, Nonlocking Screws

3.5 mm x 65 mm Double Lead, Nonlocking Screw	337-3565
3.5 mm x 70 mm Double Lead, Nonlocking Screw	337-3570
4.0 mm x 65 mm Double Lead, Nonlocking Screw	337-4060
4.0 mm x 70 mm Double Lead, Nonlocking Screw	337-4070

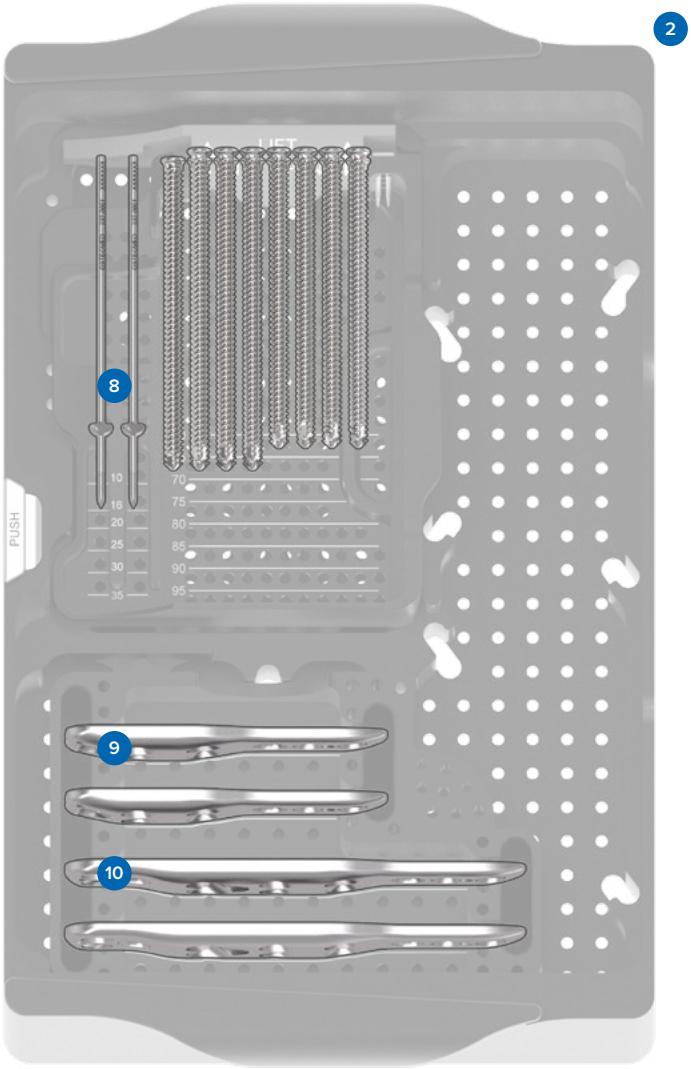
Double Lead, Locking Screws

3.5 mm x 65 mm Double Lead, Locking Screw	338-3565
3.5 mm x 70 mm Double Lead, Locking Screw	338-3570
4.0 mm x 65 mm Double Lead, Locking Screw	338-4065
4.0 mm x 70 mm Double Lead, Locking Screw	338-4070
4.0 mm x 70 mm Double Lead, Locking Screw	338-4070

Note: To learn more about the full line of OsteoMed innovative solutions, please contact your authorized OsteoMed distributor, call 888.456.7779, or visit www.osteomed.com.

Top Tray

Bottom Tray



Ordering Information [continued]

Tray Components

Instruments

1	Solid Core Screw Module, Left Tray	320-2924
2	Driver Sleeve	320-2720
3	Self Retaining Screw Driver, Quick Release	320-2400
4	3.5 mm/4.0 mm Countersink, Quick Release	320-2735
5	4.0 mm Over Drill, Quick Release	320-2040
6	3.5 mm Over Drill, Quick Release	320-2035
7	3.0 mm Long Pilot Drill, Quick Release	320-2130
8	2.4 mm Long Pilot Drill, Quick Release	320-2125
9	3.0 mm Short Pilot Drill, Quick Release	320-2030
10	2.5 mm Short Pilot Drill, Quick Release	320-2025
11	2.7 mm Countersink, Quick Release	320-2728
12	2.7 mm Over Drill, Quick Release	320-2027
13	2.0 mm Long Pilot Drill, Quick Release	320-2120
14	2.0 mm Short Pilot Drill, Quick Release	320-2020
15	1.6 mm Threaded Holding TAK™	337-0001
16	3.5 mm/4.0 mm Washer	338-3599

00 **Note:** These parts are not used in this technique, but are provided for reference.

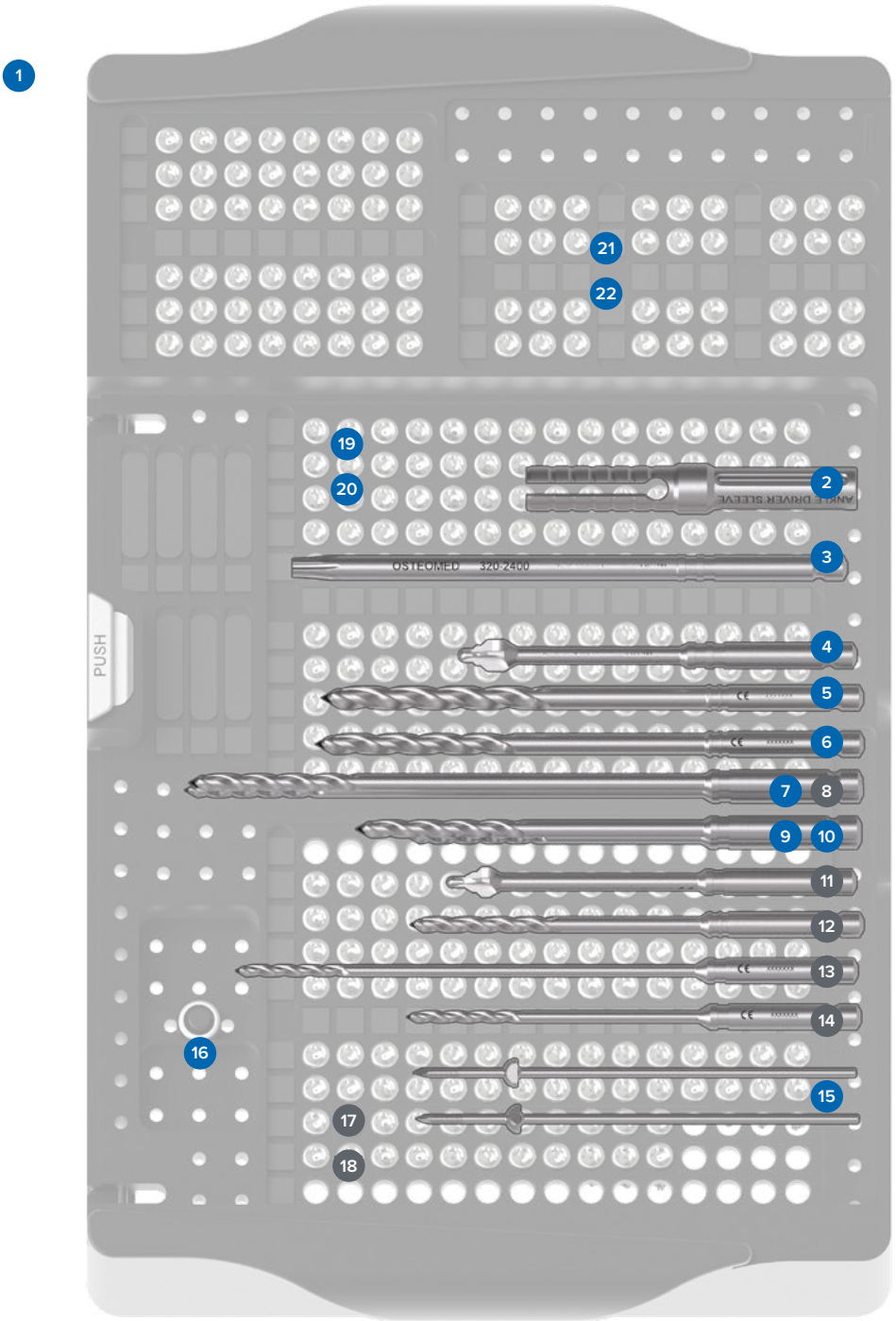
Screws

18 **2.7 mm Double Lead, Nonlocking Screws**

2.7 mm Double Lead, Locking Screws

Note: 2.7 mm Double Lead, Nonlocking Screws and Locking Screws are not used in the ExtremiLock Ankle Fusion Plating System Technique.

Left Tray



Ordering Information [continued]

Screws

18 3.5 mm Double Lead, Nonlocking Screws

3.5 mm x 10 mm, Double Lead, Nonlocking Screw	337-3510
3.5 mm x 12 mm, Double Lead, Nonlocking Screw	337-3512
3.5 mm x 14 mm, Double Lead, Nonlocking Screw	337-3514
3.5 mm x 16 mm, Double Lead, Nonlocking Screw	337-3516
3.5 mm x 18 mm, Double Lead, Nonlocking Screw	337-3518
3.5 mm x 20 mm, Double Lead, Nonlocking Screw	337-3520
3.5 mm x 22 mm, Double Lead, Nonlocking Screw	337-3522
3.5 mm x 24 mm, Double Lead, Nonlocking Screw	337-3524
3.5 mm x 26 mm, Double Lead, Nonlocking Screw	337-3526
3.5 mm x 28 mm, Double Lead, Nonlocking Screw	337-3528
3.5 mm x 30 mm, Double Lead, Nonlocking Screw	337-3530
3.5 mm x 32 mm, Double Lead, Nonlocking Screw	337-3532
3.5 mm x 34 mm, Double Lead, Nonlocking Screw	337-3534
3.5 mm x 36 mm, Double Lead, Nonlocking Screw	337-3536
3.5 mm x 38 mm, Double Lead, Nonlocking Screw	337-3538
3.5 mm x 40 mm, Double Lead, Nonlocking Screw	337-3540
3.5 mm x 42 mm, Double Lead, Nonlocking Screw	337-3542
3.5 mm x 44 mm, Double Lead, Nonlocking Screw	337-3544
3.5 mm x 46 mm, Double Lead, Nonlocking Screw	337-3546
3.5 mm x 48 mm, Double Lead, Nonlocking Screw	337-3548
3.5 mm x 50 mm, Double Lead, Nonlocking Screw	337-3550
3.5 mm x 55 mm, Double Lead, Nonlocking Screw	337-3555
3.5 mm x 60 mm, Double Lead, Nonlocking Screw	337-3560

19 3.5 mm Double Lead, Locking Screws

3.5 mm x 10 mm, Double Lead, Locking Screw	338-3510
3.5 mm x 12 mm, Double Lead, Locking Screw	338-3512
3.5 mm x 14 mm, Double Lead, Locking Screw	338-3514
3.5 mm x 16 mm, Double Lead, Locking Screw	338-3516
3.5 mm x 18 mm, Double Lead, Locking Screw	338-3518
3.5 mm x 20 mm, Double Lead, Locking Screw	338-3520
3.5 mm x 22 mm, Double Lead, Locking Screw	338-3522
3.5 mm x 24 mm, Double Lead, Locking Screw	338-3524
3.5 mm x 26 mm, Double Lead, Locking Screw	338-3526
3.5 mm x 28 mm, Double Lead, Locking Screw	338-3528
3.5 mm x 30 mm, Double Lead, Locking Screw	338-3530
3.5 mm x 32 mm, Double Lead, Locking Screw	338-3532
3.5 mm x 34 mm, Double Lead, Locking Screw	338-3534
3.5 mm x 36 mm, Double Lead, Locking Screw	338-3536
3.5 mm x 38 mm, Double Lead, Locking Screw	338-3538
3.5 mm x 40 mm, Double Lead, Locking Screw	338-3540
3.5 mm x 42 mm, Double Lead, Locking Screw	338-3542
3.5 mm x 44 mm, Double Lead, Locking Screw	338-3544
3.5 mm x 46 mm, Double Lead, Locking Screw	338-3546
3.5 mm x 48 mm, Double Lead, Locking Screw	338-3548
3.5 mm x 50 mm, Double Lead, Locking Screw	338-3550
3.5 mm x 55 mm, Double Lead, Locking Screw	338-3555
3.5 mm x 60 mm, Double Lead, Locking Screw	338-3560

Ordering Information [continued]

Screws

18 4.0 mm Double Lead, Nonlocking Screws

4.0 mm x 40 mm, Double Lead, Nonlocking Screw	337-4040
4.0 mm x 42 mm, Double Lead, Nonlocking Screw	337-4042
4.0 mm x 44 mm, Double Lead, Nonlocking Screw	337-4044
4.0 mm x 46 mm, Double Lead, Nonlocking Screw	337-4046
4.0 mm x 48 mm, Double Lead, Nonlocking Screw	337-4048
4.0 mm x 50 mm, Double Lead, Nonlocking Screw	337-4050
4.0 mm x 55 mm, Double Lead, Nonlocking Screw	337-4055
4.0 mm x 60 mm, Double Lead, Nonlocking Screw	337-4060

19 4.0 mm Double Lead, Locking Screws

4.0 mm x 40 mm, Double Lead, Locking Screw	338-4040
4.0 mm x 42 mm, Double Lead, Locking Screw	338-4042
4.0 mm x 44 mm, Double Lead, Locking Screw	338-4044
4.0 mm x 46 mm, Double Lead, Locking Screw	338-4046
4.0 mm x 48 mm, Double Lead, Locking Screw	338-4048
4.0 mm x 50 mm, Double Lead, Locking Screw	338-4050
4.0 mm x 55 mm, Double Lead, Locking Screw	338-4055
4.0 mm x 60 mm, Double Lead, Locking Screw	338-4060

Ordering Information [continued]

Tray Components

Instruments

1	Cannulated Screw Module, Right Tray	320-2925
2	1.6 mm x 150 mm K-wire	321-0123
3	Cannulated Drill Guide	320-2216
4	2.7 mm Cannulated Pilot Drill, Quick Release	320-2627
5	4.0 mm Cannulated Over Drill, Quick Release	320-2640
6	Cannulated Depth Gauge	320-2675
7	Screw Remover	320-2785
8	Cannulated Screw Driver	320-2615
9	Ratcheting Driver Handle	320-2800

Screws

10 4.0 mm Double Lead, Nonlocking, Cannulated Screws

4.0 mm x 20 mm, Double Lead, Nonlocking, Cannulated Screw	339-4020	4.0 mm x 38 mm, Double Lead, Nonlocking, Cannulated Screw	339-4038
4.0 mm x 22 mm, Double Lead, Nonlocking, Cannulated Screw	339-4022	4.0 mm x 40 mm, Double Lead, Nonlocking, Cannulated Screw	339-4040
4.0 mm x 24 mm, Double Lead, Nonlocking, Cannulated Screw	339-4024	4.0 mm x 42 mm, Double Lead, Nonlocking, Cannulated Screw	339-4042
4.0 mm x 26 mm, Double Lead, Nonlocking, Cannulated Screw	339-4026	4.0 mm x 44 mm, Double Lead, Nonlocking, Cannulated Screw	339-4044
4.0 mm x 28 mm, Double Lead, Nonlocking, Cannulated Screw	339-4028	4.0 mm x 46 mm, Double Lead, Nonlocking, Cannulated Screw	339-4046
4.0 mm x 30 mm, Double Lead, Nonlocking, Cannulated Screw	339-4030	4.0 mm x 48 mm, Double Lead, Nonlocking, Cannulated Screw	339-4048
4.0 mm x 32 mm, Double Lead, Nonlocking, Cannulated Screw	339-4032	4.0 mm x 50 mm, Double Lead, Nonlocking, Cannulated Screw	339-4050
4.0 mm x 34 mm, Double Lead, Nonlocking, Cannulated Screw	339-4034	4.0 mm x 55 mm, Double Lead, Nonlocking, Cannulated Screw	339-4055
4.0 mm x 36 mm, Double Lead, Nonlocking, Cannulated Screw	339-4036	4.0 mm x 60 mm, Double Lead, Nonlocking, Cannulated Screw	339-4060

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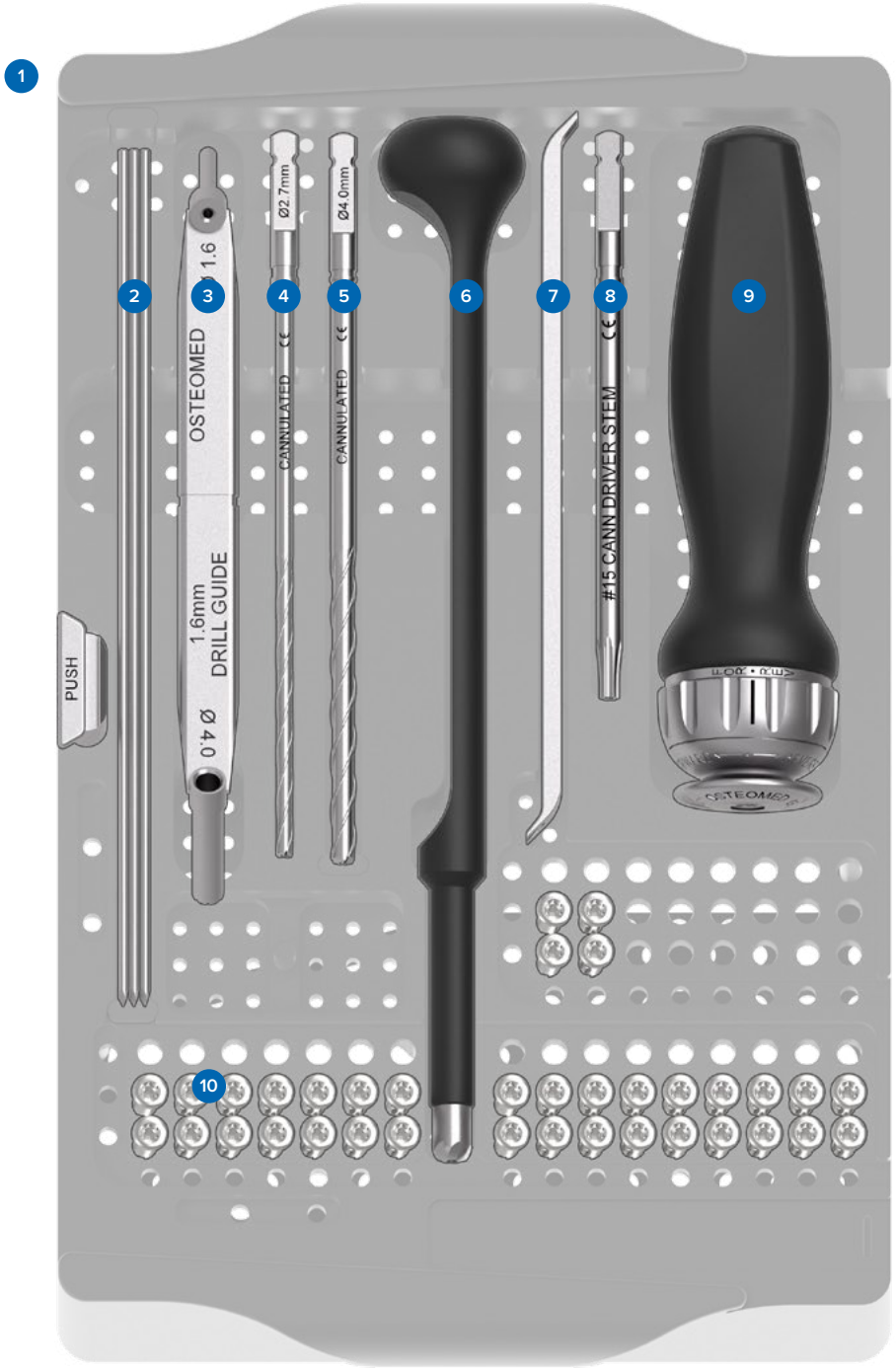
Right Tray


1
2
3
4
5
6
7
8
9
10
PUSH
OSTEOMED
1.6mm
DRILL GUIDE
Ø 1.6
Ø 4.0
Ø2.7mm
Ø4.0mm
CANNULATED
CANNULATED
#15 CANN DRIVER STEM

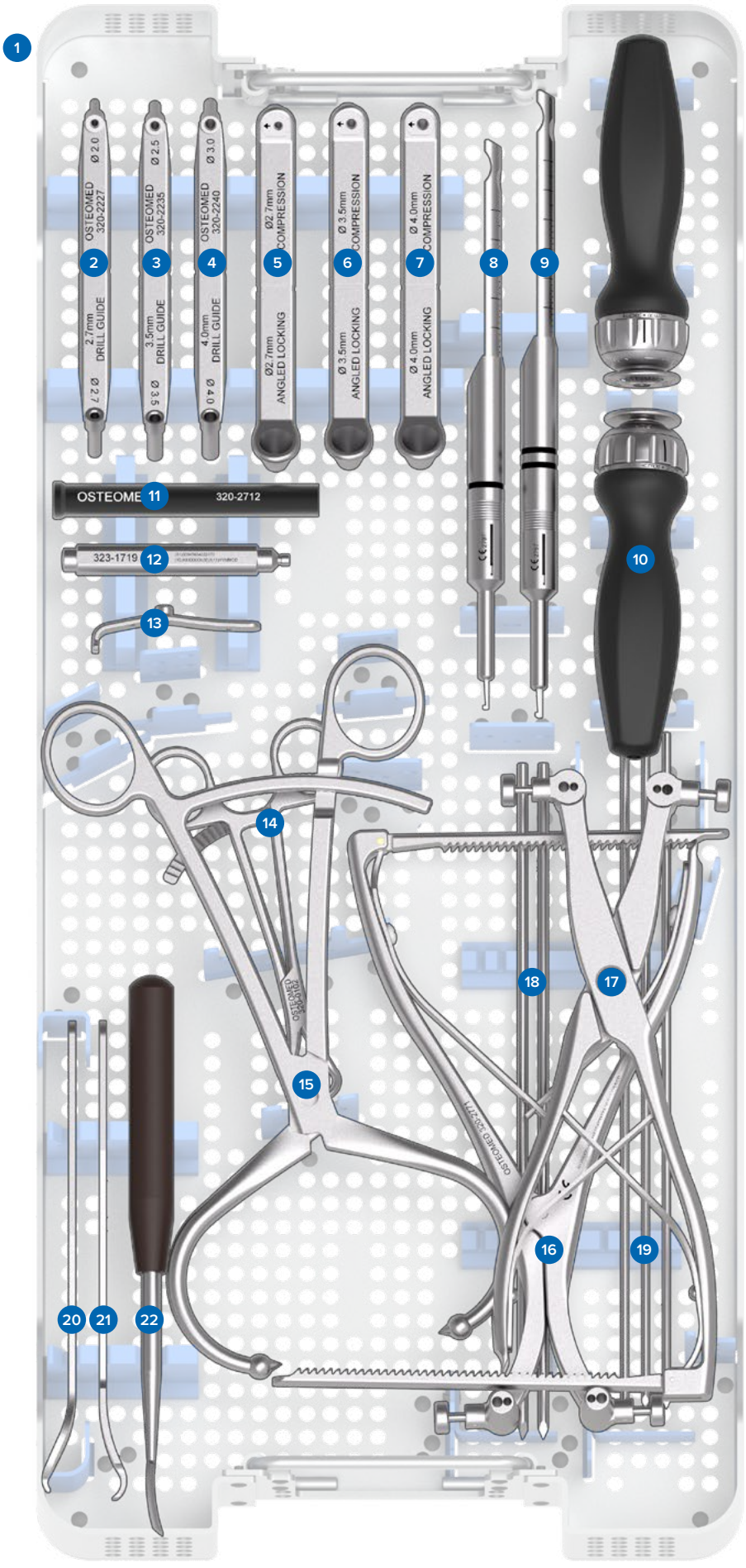
Ordering Information [continued]

Tray Components

Instruments

1	ExtremiLock Ankle Instrument Removable Tray	320-2922
2	2.0 mm Pilot/2.7 mm Over Drill Guide	320-2227
3	2.5 mm Pilot/3.5 mm Over Drill Guide	320-2235
4	3.0 mm Pilot/4.0 mm Over Drill Guide	320-2240
5	2.7 mm Drill Guide–Angled/ Compression	320-2328
6	3.5 mm Drill Guide–Angled/ Compression	320-2335
7	4.0 mm Drill Guide–Angled/ Compression	320-2340
8	2.7 mm Depth Gauge, 10 mm–60 mm	320-2528
9	3.5 mm/4.0 mm Depth Gauge, 10 mm–70 mm	320-2535
10	Ratcheting Driver Handle	320-2800
11	Hook Plate Impactor	320-2712
12	Hook Plate Drill Guide Handle	323-1719
13	Universal Hook Plate Drill Guide	320-2711
14	Bone Clamp	320-0102
15	Reduction Clamp	320-2795
16	2.4 mm/3.2 mm Distraction Instrument	320-2771
17	2.4 mm/3.2 mm Compressor Instrument	320-2770
18	2.4 mm x 230 mm Threaded Tip Guide Pin	320-2775
19	3.2 mm x 230 mm Threaded Tip Guide Pin	320-2726
20	Hohmann Retractor, 15 mm Blade	320-0402
21	Hohmann Retractor, 8 mm Blade	320-1021
22	Curved Periosteal Elevator, 6 mm Straight	320-0401

Note: To learn more about the full line of OsteoMed innovative solutions, please contact your authorized OsteoMed distributor, call 888.456.7779, or visit www.osteomed.com.


1
OSTEOMED 320-2227 Ø 2.0
2
2.7mm DRILL GUIDE
Ø 2.7 Ø
OSTEOMED 320-2235 Ø 2.5
3
3.5mm DRILL GUIDE
Ø 3.5 Ø
OSTEOMED 320-2240 Ø 3.0
4
4.0mm DRILL GUIDE
Ø 4.0 Ø
Ø2.7mm COMPRESSION
5
Ø2.7mm ANGLED LOCKING
Ø 3.5mm COMPRESSION
6
Ø 3.5mm ANGLED LOCKING
Ø 4.0mm COMPRESSION
7
Ø 4.0mm ANGLED LOCKING
8
9
10
OSTEOME 11 320-2712
323-1719 12
13
14
15
16
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18
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21
22

Ordering Information [continued]

ExtremiLock™ Cannulated Screw System | Midsize & Large Tray Components

Instruments

Midsize Tray Base	316-1802
Midsize Tray Lid	316-1801
Midsize Instrumentation Removable Tray	316-1805
1.6 mm x 180 mm Guide Wire, Smooth	316-1601
1.6 mm x 180 mm Guide Wire, Threaded	316-1602
3.7 mm Cannulated Pilot Drill, Standard AO	316-1605
1.6 mm/3.7 mm Guide Wire and Drill Guide	316-1618
4.5 mm/5.5 mm Depth Gauge	316-1614
#15 Self-Retaining Cannulated Driver, Standard AO Quick Release	316-1615
Ratcheting Driver Handle	320-2800
5.5 mm Cannulated Tap	316-1613
4.5/5.5 mm Proximal Cortex Drill Sleeve	316-1621

Sterile Instruments

2.7 mm Cannulated Pilot Drill, Quick Release	320-2627-SP-01
2.7 mm Cannulated Pilot Drill, Quick Release, Qty 2	320-2627-SP-02
4.0 mm Cannulated Pilot Drill, Quick Release	320-2640-SP-01
4.0 mm Cannulated Pilot Drill, Quick Release, Qty 2	320-2640-SP-02
2.7 mm Countersink, Quick Release	320-2728-SP-01
2.7 mm Countersink, Quick Release, Qty 2	320-2728-SP-02
1.6 mm x 150 mm K-wire	321-0123-SP-01
1.6 mm x 150 mm K-wire, Qty 2	321-0123-SP-02
1.6 mm Threaded Holding TAK™	337-0001-SP-01
1.6 mm Threaded Holding TAK™, Qty 2	337-0001-SP-02
3.5 mm/4.0 mm Washer	337-3599-SP-01
3.5 mm/4.0 mm Washer, Qty 5	337-3599-SP-05

Sterile Implants

5–Hole Anterior Ankle Fusion Plate Left	336-7105-SP-01
5–Hole Anterior Ankle Fusion Plate Left, Qty 2	336-7105-SP-02
5–Hole Anterior Ankle Fusion Plate Right	336-7205-SP-01
5–Hole Anterior Ankle Fusion Plate Right, Qty 2	336-7205-SP-02
3–Hole Posterior Ankle Fusion Plate	336-8003-SP-01
3–Hole Posterior Ankle Fusion Plate, Qty 2	336-8003-SP-02

Note: To learn more about the full line of OsteoMed innovative solutions, please contact your authorized OsteoMed distributor, call 888.456.7779, or visit www.osteomed.com.

Ordering Information [continued]

Screws

5.5 mm Cannulated Screws, Short Thread

5.5 mm x 20 mm Cannulated Screw, Short Thread	319-5520
5.5 mm x 22 mm Cannulated Screw, Short Thread	319-5522
5.5 mm x 24 mm Cannulated Screw, Short Thread	319-5524
5.5 mm x 26 mm Cannulated Screw, Short Thread	319-5526
5.5 mm x 28 mm Cannulated Screw, Short Thread	319-5528
5.5 mm x 30 mm Cannulated Screw, Short Thread	319-5530
5.5 mm x 32 mm Cannulated Screw, Short Thread	319-5532
5.5 mm x 34 mm Cannulated Screw, Short Thread	319-5534
5.5 mm x 36 mm Cannulated Screw, Short Thread	319-5536
5.5 mm x 38 mm Cannulated Screw, Short Thread	319-5538
5.5 mm x 40 mm Cannulated Screw, Short Thread	319-5540
5.5 mm x 42 mm Cannulated Screw, Short Thread	319-5542
5.5 mm x 44 mm Cannulated Screw, Short Thread	319-5544
5.5 mm x 46 mm Cannulated Screw, Short Thread	319-5546
5.5 mm x 48 mm Cannulated Screw, Short Thread	319-5548
5.5 mm x 50 mm Cannulated Screw, Short Thread	319-5550
5.5 mm x 55 mm Cannulated Screw, Short Thread	319-5555
5.5 mm x 60 mm Cannulated Screw, Short Thread	319-5560
5.5 mm x 65 mm Cannulated Screw, Short Thread	319-5565
5.5 mm x 70 mm Cannulated Screw, Short Thread	319-5570

5.5 mm Cannulated Screws, Long Thread

5.5 mm x 40 mm Cannulated Screw, Long Thread	319-5541
5.5 mm x 42 mm Cannulated Screw, Long Thread	319-5543
5.5 mm x 44 mm Cannulated Screw, Long Thread	319-5545
5.5 mm x 46 mm Cannulated Screw, Long Thread	319-5547
5.5 mm x 48 mm Cannulated Screw, Long Thread	319-5549
5.5 mm x 50 mm Cannulated Screw, Long Thread	319-5551
5.5 mm x 55 mm Cannulated Screw, Long Thread	319-5556
5.5 mm x 60 mm Cannulated Screw, Long Thread	319-5561
5.5 mm x 65 mm Cannulated Screw, Long Thread	319-5566
5.5 mm x 70 mm Cannulated Screw, Long Thread	319-5571

Note: Please see the ExtremiFix™ Cannulated Screw System | Midsize & Large Surgical Technique Guide (030-2025) for full ordering information.

Ordering Information [continued]

Sterile Screws

3.5 mm Double Lead, Nonlocking Screws

3.5 mm x 10 mm, Double Lead, Nonlocking Screw	337-3510-SP-01
3.5 mm x 10 mm, Double Lead, Nonlocking Screw, Qty 2	337-3510-SP-02
3.5 mm x 12 mm, Double Lead, Nonlocking Screw	337-3512-SP-01
3.5 mm x 12 mm, Double Lead, Nonlocking Screw, Qty 2	337-3512-SP-02
3.5 mm x 14 mm, Double Lead, Nonlocking Screw	337-3514-SP-01
3.5 mm x 14 mm, Double Lead, Nonlocking Screw, Qty 2	337-3514-SP-02
3.5 mm x 16 mm, Double Lead, Nonlocking Screw	337-3516-SP-01
3.5 mm x 16 mm, Double Lead, Nonlocking Screw, Qty 2	337-3516-SP-02
3.5 mm x 18 mm, Double Lead, Nonlocking Screw	337-3518-SP-01
3.5 mm x 18 mm, Double Lead, Nonlocking Screw, Qty 2	337-3518-SP-02
3.5 mm x 20 mm, Double Lead, Nonlocking Screw	337-3520-SP-01
3.5 mm x 20 mm, Double Lead, Nonlocking Screw, Qty 2	337-3520-SP-02
3.5 mm x 22 mm, Double Lead, Nonlocking Screw	337-3522-SP-01
3.5 mm x 22 mm, Double Lead, Nonlocking Screw, Qty 2	337-3522-SP-02
3.5 mm x 24 mm, Double Lead, Nonlocking Screw	337-3524-SP-01
3.5 mm x 24 mm, Double Lead, Nonlocking Screw, Qty 2	337-3524-SP-02
3.5 mm x 26 mm, Double Lead, Nonlocking Screw	337-3526-SP-01
3.5 mm x 26 mm, Double Lead, Nonlocking Screw, Qty 2	337-3526-SP-02
3.5 mm x 28 mm, Double Lead, Nonlocking Screw"	337-3528-SP-01
3.5 mm x 28 mm, Double Lead, Nonlocking Screw, Qty 2"	337-3528-SP-02
3.5 mm x 30 mm, Double Lead, Nonlocking Screw	337-3530-SP-01
3.5 mm x 30 mm, Double Lead, Nonlocking Screw, Qty 2	337-3530-SP-02
3.5 mm x 32 mm, Double Lead, Nonlocking Screw	337-3532-SP-01
3.5 mm x 32 mm, Double Lead, Nonlocking Screw, Qty 2	338-3532-SP-02
3.5 mm x 34 mm, Double Lead, Nonlocking Screw	338-3534-SP-01
3.5 mm x 34 mm, Double Lead, Nonlocking Screw, Qty 2	338-3534-SP-02
3.5 mm x 36 mm, Double Lead, Nonlocking Screw	338-3536-SP-01
3.5 mm x 36 mm, Double Lead, Nonlocking Screw, Qty 2	338-3536-SP-02
3.5 mm x 38 mm, Double Lead, Nonlocking Screw	338-3538-SP-01
3.5 mm x 38 mm, Double Lead, Nonlocking Screw, Qty 2	338-3538-SP-02
3.5 mm x 40 mm, Double Lead, Nonlocking Screw	338-3540-SP-01
3.5 mm x 40 mm, Double Lead, Nonlocking Screw, Qty 2	338-3540-SP-02
3.5 mm x 42 mm, Double Lead, Nonlocking Screw	338-3542-SP-01
3.5 mm x 42 mm, Double Lead, Nonlocking Screw, Qty 2	338-3542-SP-02
3.5 mm x 44 mm, Double Lead, Nonlocking Screw	338-3544-SP-01
3.5 mm x 44 mm, Double Lead, Nonlocking Screw, Qty 2	338-3544-SP-02
3.5 mm x 46 mm, Double Lead, Nonlocking Screw	338-3546-SP-01
3.5 mm x 46 mm, Double Lead, Nonlocking Screw, Qty 2	338-3546-SP-02
3.5 mm x 48 mm, Double Lead, Nonlocking Screw	338-3548-SP-01
3.5 mm x 48 mm, Double Lead, Nonlocking Screw, Qty 2	338-3548-SP-02
3.5 mm x 50 mm, Double Lead, Nonlocking Screw	338-3550-SP-01
3.5 mm x 50 mm, Double Lead, Nonlocking Screw, Qty 2	338-3550-SP-02
3.5 mm x 55 mm, Double Lead, Nonlocking Screw	338-3555-SP-01
3.5 mm x 55 mm, Double Lead, Nonlocking Screw, Qty 2	338-3555-SP-02
3.5 mm x 60 mm, Double Lead, Nonlocking Screw	338-3560-SP-01
3.5 mm x 60 mm, Double Lead, Nonlocking Screw, Qty 2	338-3560-SP-02

Ordering Information [continued]

Sterile Screws

3.5 mm Double Lead, Nonlocking Screws

3.5 mm x 65 mm, Double Lead, Nonlocking Screw	338-3565-SP-01
3.5 mm x 65 mm, Double Lead, Nonlocking Screw, Qty 2	338-3565-SP-02
3.5 mm x 70 mm, Double Lead, Nonlocking Screw	338-3570-SP-01
3.5 mm x 70 mm, Double Lead, Nonlocking Screw, Qty 2	338-3570-SP-02
3.5 mm x 7 5 mm, Double Lead, Nonlocking Screw	338-3575-SP-01
3.5 mm x 75 mm, Double Lead, Nonlocking Screw, Qty 2	338-3575-SP-02
3.5 mm x 80 mm, Double Lead, Nonlocking Screw	338-3580-SP-01
3.5 mm x 80 mm, Double Lead, Nonlocking Screw, Qty 2	338-3580-SP-02
3.5 mm x 85 mm, Double Lead, Nonlocking Screw	338-3585-SP-01
3.5 mm x 85 mm, Double Lead, Nonlocking Screw, Qty 2	338-3585-SP-02
3.5 mm x 90 mm, Double Lead, Nonlocking Screw	338-3590-SP-01
3.5 mm x 90 mm, Double Lead, Nonlocking Screw, Qty 2	338-3590-SP-02
3.5 mm x 95 mm, Double Lead, Nonlocking Screw	338-3595-SP-01
3.5 mm x 95 mm, Double Lead, Nonlocking Screw, Qty 2	338-3595-SP-02
3.5 mm x 100 mm, Double Lead, Nonlocking Screw	338-3600-SP-01
3.5 mm x 100 mm, Double Lead, Nonlocking Screw, Qty 2	338-3600-SP-02
3.5 mm x 105 mm, Double Lead, Nonlocking Screw	338-3605-SP-01
3.5 mm x 105 mm, Double Lead, Nonlocking Screw, Qty 2	338-3605-SP-02
3.5 mm x 110 mm, Double Lead, Nonlocking Screw	338-3610-SP-01
3.5 mm x 110 mm, Double Lead, Nonlocking Screw, Qty 2	338-3610-SP-02

3.5 mm Double Lead, Locking Screws

3.5 mm x 10 mm, Double Lead, Locking Screw	338-3510-SP-01
3.5 mm x 10 mm, Double Lead, Locking Screw, Qty 2	338-3510-SP-02
3.5 mm x 12 mm, Double Lead, Locking Screw	338-3512-SP-01
3.5 mm x 12 mm, Double Lead, Locking Screw, Qty 2	338-3512-SP-02
3.5 mm x 14 mm, Double Lead, Locking Screw	338-3514-SP-01
3.5 mm x 14 mm, Double Lead, Locking Screw, Qty 2	338-3514-SP-02
3.5 mm x 16 mm, Double Lead, Locking Screw	338-3516-SP-01
3.5 mm x 16 mm, Double Lead, Locking Screw, Qty 2	338-3516-SP-02
3.5 mm x 18 mm, Double Lead, Locking Screw	338-3518-SP-01
3.5 mm x 18 mm, Double Lead, Locking Screw, Qty 2	338-3518-SP-02
3.5 mm x 20 mm, Double Lead, Locking Screw	338-3520-SP-01
3.5 mm x 20 mm, Double Lead, Locking Screw, Qty 2	338-3520-SP-02
3.5 mm x 22 mm, Double Lead, Locking Screw	338-3522-SP-01
3.5 mm x 22 mm, Double Lead, Locking Screw, Qty 2	338-3522-SP-02
3.5 mm x 24 mm, Double Lead, Locking Screw	338-3524-SP-01
3.5 mm x 24 mm, Double Lead, Locking Screw, Qty 2	338-3524-SP-02
3.5 mm x 26 mm, Double Lead, Locking Screw"	338-3526-SP-01
3.5 mm x 26 mm, Double Lead, Locking Screw, Qty 2	338-3526-SP-02
3.5 mm x 28 mm, Double Lead, Locking Screw	338-3528-SP-01
3.5 mm x 28 mm, Double Lead, Locking Screw, Qty 2	338-3528-SP-02
3.5 mm x 30 mm, Double Lead, Locking Screw	338-3530-SP-01
3.5 mm x 30 mm, Double Lead, Locking Screw, Qty 2	338-3530-SP-02
3.5 mm x 32 mm, Double Lead, Locking Screw	338-3532-SP-01

Ordering Information [continued]

Sterile Screws

3.5 mm Double Lead, Locking Screws

3.5 mm x 32 mm, Double Lead, Locking Screw, Qty 2	338-3532-SP-02
3.5 mm x 34 mm, Double Lead, Locking Screw	338-3534-SP-01
3.5 mm x 34 mm, Double Lead, Locking Screw, Qty 2	338-3534-SP-02
3.5 mm x 36 mm, Double Lead, Locking Screw	338-3536-SP-01
3.5 mm x 36 mm, Double Lead, Locking Screw, Qty 2	338-3536-SP-02
3.5 mm x 38 mm, Double Lead, Locking Screw	338-3538-SP-01
3.5 mm x 38 mm, Double Lead, Locking Screw, Qty 2	338-3538-SP-02
3.5 mm x 40 mm, Double Lead, Locking Screw	338-3540-SP-01
3.5 mm x 40 mm, Double Lead, Locking Screw, Qty 2	338-3540-SP-02
3.5 mm x 42 mm, Double Lead, Locking Screw	338-3542-SP-01
3.5 mm x 42 mm, Double Lead, Locking Screw, Qty 2	338-3542-SP-02
3.5 mm x 44 mm, Double Lead, Locking Screw	338-3544-SP-01
3.5 mm x 44 mm, Double Lead, Locking Screw, Qty 2	338-3544-SP-02
3.5 mm x 46 mm, Double Lead, Locking Screw	338-3546-SP-01
3.5 mm x 46 mm, Double Lead, Locking Screw, Qty 2	338-3546-SP-02
3.5 mm x 48 mm, Double Lead, Locking Screw	338-3548-SP-01
3.5 mm x 48 mm, Double Lead, Locking Screw, Qty 2	338-3548-SP-02
3.5 mm x 50 mm, Double Lead, Locking Screw	338-3550-SP-01
3.5 mm x 50 mm, Double Lead, Locking Screw, Qty 2	338-3550-SP-02
3.5 mm x 55 mm, Double Lead, Locking Screw	338-3555-SP-01
3.5 mm x 55 mm, Double Lead, Locking Screw, Qty 2	338-3555-SP-02
3.5 mm x 60 mm, Double Lead, Locking Screw	338-3560-SP-01
3.5 mm x 60 mm, Double Lead, Locking Screw, Qty 2	338-3560-SP-02
3.5 mm x 65 mm, Double Lead, Locking Screw	338-3565-SP-01
3.5 mm x 65 mm, Double Lead, Locking Screw, Qty 2	338-3565-SP-02
3.5 mm x 70 mm, Double Lead, Locking Screw	338-3570-SP-01
3.5 mm x 70 mm, Double Lead, Locking Screw, Qty 2	338-3570-SP-02
3.5 mm x 75 mm, Double Lead, Locking Screw	338-3575-SP-01
3.5 mm x 75 mm, Double Lead, Locking Screw, Qty 2	338-3575-SP-02
3.5 mm x 80 mm, Double Lead, Locking Screw	338-3580-SP-01
3.5 mm x 80 mm, Double Lead, Locking Screw, Qty 2	338-3580-SP-02
3.5 mm x 85 mm, Double Lead, Locking Screw	338-3585-SP-01
3.5 mm x 85 mm, Double Lead, Locking Screw, Qty 2	338-3585-SP-02
3.5 mm x 90 mm, Double Lead, Locking Screw	338-3590-SP-01
3.5 mm x 90 mm, Double Lead, Locking Screw, Qty 2	338-3590-SP-02
3.5 mm x 95 mm, Double Lead, Locking Screw	338-3595-SP-01
3.5 mm x 95 mm, Double Lead, Locking Screw, Qty 2	338-3595-SP-02
3.5 mm x 100 mm, Double Lead, Locking Screw	338-3600-SP-01
3.5 mm x 100 mm, Double Lead, Locking Screw, Qty 2	338-3600-SP-02
3.5 mm x 105 mm, Double Lead, Locking Screw	338-3605-SP-01
3.5 mm x 105 mm, Double Lead, Locking Screw, Qty 2	338-3605-SP-02
3.5 mm x 110 mm, Double Lead, Locking Screw	338-3610-SP-01
3.5 mm x 110 mm, Double Lead, Locking Screw, Qty 2	338-3610-SP-02

Ordering Information [continued]

Sterile Screws

4.0 mm Double Lead, Nonlocking Screws

4.0 mm x 20 mm, Double Lead, Nonlocking Screw	337-4020-SP-01
4.0 mm x 20 mm, Double Lead, Nonlocking Screw, Qty 2	337-4020-SP-02
4.0 mm x 22 mm, Double Lead, Nonlocking Screw	337-4022-SP-01
4.0 mm x 22 mm, Double Lead, Nonlocking Screw, Qty 2	337-4022-SP-02
4.0 mm x 24 mm, Double Lead, Nonlocking Screw	337-4024-SP-01
4.0 mm x 24 mm, Double Lead, Nonlocking Screw, Qty 2	337-4024-SP-02
4.0 mm x 26 mm, Double Lead, Nonlocking Screw	337-4026-SP-01
4.0 mm x 26 mm, Double Lead, Nonlocking Screw, Qty 2	337-4026-SP-02
4.0 mm x 28 mm, Double Lead, Nonlocking Screw	337-4028-SP-01
4.0 mm x 28 mm, Double Lead, Nonlocking Screw, Qty 2	337-4028-SP-02
4.0 mm x 30 mm, Double Lead, Nonlocking Screw	337-4030-SP-01
4.0 mm x 30 mm, Double Lead, Nonlocking Screw, Qty 2	337-4030-SP-02
4.0 mm x 32 mm, Double Lead, Nonlocking Screw	337-4032-SP-01
4.0 mm x 32 mm, Double Lead, Nonlocking Screw, Qty 2	337-4032-SP-02
4.0 mm x 34 mm, Double Lead, Nonlocking Screw	337-4034-SP-01
4.0 mm x 34 mm, Double Lead, Nonlocking Screw, Qty 2	337-4034-SP-02
4.0 mm x 36 mm, Double Lead, Nonlocking Screw	337-4036-SP-01
4.0 mm x 36 mm, Double Lead, Nonlocking Screw, Qty 2	337-4036-SP-02
4.0 mm x 38 mm, Double Lead, Nonlocking Screw	337-4038-SP-01
4.0 mm x 38 mm, Double Lead, Nonlocking Screw, Qty 2	337-4038-SP-02
4.0 mm x 40 mm, Double Lead, Nonlocking Screw	337-4040-SP-01
4.0 mm x 40 mm, Double Lead, Nonlocking Screw, Qty 2	337-4040-SP-02
4.0 mm x 42 mm, Double Lead, Nonlocking Screw	337-4042-SP-01
4.0 mm x 42 mm, Double Lead, Nonlocking Screw, Qty 2	337-4042-SP-02
4.0 mm x 44 mm, Double Lead, Nonlocking Screw	337-4044-SP-01
4.0 mm x 44 mm, Double Lead, Nonlocking Screw, Qty 2	337-4044-SP-02
4.0 mm x 46 mm, Double Lead, Nonlocking Screw	337-4046-SP-01
4.0 mm x 46 mm, Double Lead, Nonlocking Screw, Qty 2	337-4046-SP-02
4.0 mm x 48 mm, Double Lead, Nonlocking Screw	337-4048-SP-01
4.0 mm x 48 mm, Double Lead, Nonlocking Screw, Qty 2	337-4048-SP-02
4.0 mm x 50 mm, Double Lead, Nonlocking Screw	337-4050-SP-01
4.0 mm x 50 mm, Double Lead, Nonlocking Screw, Qty 2	337-4050-SP-02
4.0 mm x 55 mm, Double Lead, Nonlocking Screw	337-4055-SP-01
4.0 mm x 55 mm, Double Lead, Nonlocking Screw, Qty 2	337-4055-SP-02
4.0 mm x 60 mm, Double Lead, Nonlocking Screw	337-4060-SP-01
4.0 mm x 60 mm, Double Lead, Nonlocking Screw, Qty 2	337-4060-SP-02
4.0 mm x 65 mm, Double Lead, Nonlocking Screw	337-4065-SP-01
4.0 mm x 65 mm, Double Lead, Nonlocking Screw, Qty 2	337-4065-SP-02
4.0 mm x 70 mm, Double Lead, Nonlocking Screw	337-4070-SP-01
4.0 mm x 70 mm, Double Lead, Nonlocking Screw, Qty 2	337-4070-SP-02
4.0 mm x 75 mm, Double Lead, Nonlocking Screw	337-4075-SP-01
4.0 mm x 75 mm, Double Lead, Nonlocking Screw, Qty 2	337-4075-SP-02
4.0 mm x 80 mm, Double Lead, Nonlocking Screw	337-4080-SP-01
4.0 mm x 80 mm, Double Lead, Nonlocking Screw, Qty 2	337-4080-SP-02
4.0 mm x 85 mm, Double Lead, Nonlocking Screw	337-4085-SP-01
4.0 mm x 85 mm, Double Lead, Nonlocking Screw, Qty 2	337-4085-SP-02

Ordering Information [continued]

Sterile Screws

4.0 mm Double Lead, Nonlocking Screws

4.0 mm x 90 mm, Double Lead, Nonlocking Screw	337-4090-SP-01
4.0 mm x 90 mm, Double Lead, Nonlocking Screw, Qty 2	337-4090-SP-02
4.0 mm x 95 mm, Double Lead, Nonlocking Screw	337-4095-SP-01
4.0 mm x 95 mm, Double Lead, Nonlocking Screw, Qty 2	337-4095-SP-02
4.0 mm x 100 mm, Double Lead, Nonlocking Screw	337-4100-SP-01
4.0 mm x 100 mm, Double Lead, Nonlocking Screw, Qty 2	337-4100-SP-02
4.0 mm x 105 mm, Double Lead, Nonlocking Screw	337-4105-SP-01
4.0 mm x 105 mm, Double Lead, Nonlocking Screw, Qty 2	337-4105-SP-02
4.0 mm x 110 mm, Double Lead, Nonlocking Screw	337-4110-SP-01
4.0 mm x 110 mm, Double Lead, Nonlocking Screw, Qty 2	337-4110-SP-02

4.0 mm Double Lead, Locking Screws

4.0 mm x 20 mm, Double Lead, Locking Screw	338-4020-SP-01
4.0 mm x 20 mm, Double Lead, Locking Screw, Qty 2	338-4020-SP-02
4.0 mm x 22 mm, Double Lead, Locking Screw	338-4022-SP-01
4.0 mm x 22 mm, Double Lead, Locking Screw, Qty 2	338-4022-SP-02
4.0 mm x 24 mm, Double Lead, Locking Screw	338-4024-SP-01
4.0 mm x 24 mm, Double Lead, Locking Screw, Qty 2	338-4024-SP-02
4.0 mm x 26 mm, Double Lead, Locking Screw	338-4026-SP-01
4.0 mm x 26 mm, Double Lead, Locking Screw, Qty 2	338-4026-SP-02
4.0 mm x 28 mm, Double Lead, Locking Screw	338-4028-SP-01
4.0 mm x 28 mm, Double Lead, Locking Screw, Qty 2	338-4028-SP-02
4.0 mm x 30 mm, Double Lead, Locking Screw	338-4030-SP-01
4.0 mm x 30 mm, Double Lead, Locking Screw, Qty 2	338-4030-SP-02
4.0 mm x 32 mm, Double Lead, Locking Screw	338-4032-SP-01
4.0 mm x 32 mm, Double Lead, Locking Screw, Qty 2	338-4032-SP-02
4.0 mm x 34 mm, Double Lead, Locking Screw	338-4034-SP-01
4.0 mm x 34 mm, Double Lead, Locking Screw, Qty 2	338-4034-SP-02
4.0 mm x 36 mm, Double Lead, Locking Screw	338-4036-SP-01
4.0 mm x 36 mm, Double Lead, Locking Screw, Qty 2	338-4036-SP-02
4.0 mm x 38 mm, Double Lead, Locking Screw	338-4038-SP-01
4.0 mm x 38 mm, Double Lead, Locking Screw, Qty 2	338-4038-SP-02
4.0 mm x 40 mm, Double Lead, Locking Screw	338-4040-SP-01
4.0 mm x 40 mm, Double Lead, Locking Screw, Qty 2	338-4040-SP-02
4.0 mm x 42 mm, Double Lead, Locking Screw	338-4042-SP-01

Note: To learn more about the full line of OsteoMed innovative solutions, please contact your authorized OsteoMed distributor, call 888.456.7779, or visit www.osteomed.com.

Ordering Information [continued]

Sterile Screws

4.0 mm Double Lead, Locking Screws

4.0 mm x 42 mm, Double Lead, Locking Screw, Qty 2	338-4042-SP-02
4.0 mm x 44 mm, Double Lead, Locking Screw	338-4044-SP-01
4.0 mm x 44 mm, Double Lead, Locking Screw, Qty 2	338-4044-SP-02
4.0 mm x 46 mm, Double Lead, Locking Screw	338-4046-SP-01
4.0 mm x 46 mm, Double Lead, Locking Screw, Qty 2	338-4046-SP-02
4.0 mm x 48 mm, Double Lead, Locking Screw	338-4048-SP-01
4.0 mm x 48 mm, Double Lead, Locking Screw, Qty 2	338-4048-SP-02
4.0 mm x 50 mm, Double Lead, Locking Screw	337-4050-SP-01
4.0 mm x 50 mm, Double Lead, Locking Screw, Qty 2	337-4050-SP-02
4.0 mm x 55 mm, Double Lead, Locking Screw	337-4055-SP-01
4.0 mm x 55 mm, Double Lead, Locking Screw, Qty 2	337-4055-SP-02
4.0 mm x 60 mm, Double Lead, Locking Screw	337-4060-SP-01
4.0 mm x 60 mm, Double Lead, Locking Screw, Qty 2	337-4060-SP-02
4.0 mm x 65 mm, Double Lead, Locking Screw	338-4065-SP-01
4.0 mm x 65 mm, Double Lead, Locking Screw, Qty 2	338-4065-SP-02
4.0 mm x 70 mm, Double Lead, Locking Screw	338-4070-SP-01
4.0 mm x 70 mm, Double Lead, Locking Screw, Qty 2	338-4070-SP-02
4.0 mm x 75 mm, Double Lead, Locking Screw	338-4075-SP-01
4.0 mm x 75 mm, Double Lead, Locking Screw, Qty 2	338-4075-SP-02
4.0 mm x 80 mm, Double Lead, Locking Screw	338-4080-SP-01
4.0 mm x 80 mm, Double Lead, Locking Screw, Qty 2	338-4080-SP-02
4.0 mm x 85 mm, Double Lead, Locking Screw	338-4085-SP-01
4.0 mm x 85 mm, Double Lead, Locking Screw, Qty 2	338-4085-SP-02
4.0 mm x 90 mm, Double Lead, Locking Screw	338-4090-SP-01
4.0 mm x 90 mm, Double Lead, Locking Screw, Qty 2	338-4090-SP-02
4.0 mm x 95 mm, Double Lead, Locking Screw	338-4095-SP-01
4.0 mm x 95 mm, Double Lead, Locking Screw, Qty 2	338-4095-SP-02
4.0 mm x 100 mm, Double Lead, Locking Screw	338-4100-SP-01
4.0 mm x 100 mm, Double Lead, Locking Screw, Qty 2	338-4100-SP-02
4.0 mm x 105 mm, Double Lead, Locking Screw	338-4105-SP-01
4.0 mm x 105 mm, Double Lead, Locking Screw, Qty 2	338-4105-SP-02
4.0 mm x 110 mm, Double Lead, Locking Screw	338-4110-SP-01
4.0 mm x 110 mm, Double Lead, Locking Screw, Qty 2	338-4110-SP-02

Ordering Information [continued]

Sterile Screws

4.0 mm Double Lead, Nonlocking Cannulated Screws

4.0 mm x 10 mm, Double Lead, Nonlocking, Cannulated Screw	339-4010-SP-01
4.0 mm x 10 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4010-SP-02
4.0 mm x 12 mm, Double Lead, Nonlocking, Cannulated Screw	339-4012-SP-01
4.0 mm x 12 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4012-SP-02
4.0 mm x 14 mm, Double Lead, Nonlocking, Cannulated Screw	339-4014-SP-01
4.0 mm x 14 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4014-SP-02
4.0 mm x 16 mm, Double Lead, Nonlocking, Cannulated Screw	339-4016-SP-01
4.0 mm x 16 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4016-SP-02
4.0 mm x 18 mm, Double Lead, Nonlocking, Cannulated Screw	339-4018-SP-01
4.0 mm x 18 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4018-SP-02
4.0 mm x 20 mm, Double Lead, Nonlocking, Cannulated Screw	339-4020-SP-01
4.0 mm x 20 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4020-SP-02
4.0 mm x 22 mm, Double Lead, Nonlocking, Cannulated Screw	339-4022-SP-01
4.0 mm x 22 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4022-SP-02
4.0 mm x 24 mm, Double Lead, Nonlocking, Cannulated Screw	339-4024-SP-01
4.0 mm x 24 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4024-SP-02
4.0 mm x 26 mm, Double Lead, Nonlocking, Cannulated Screw	339-4026-SP-01
4.0 mm x 26 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4026-SP-02
4.0 mm x 28 mm, Double Lead, Nonlocking, Cannulated Screw	339-4028-SP-01
4.0 mm x 28 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4028-SP-02
4.0 mm x 30 mm, Double Lead, Nonlocking, Cannulated Screw	339-4030-SP-01
4.0 mm x 30 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4030-SP-02
4.0 mm x 32 mm, Double Lead, Nonlocking, Cannulated Screw	339-4032-SP-01
4.0 mm x 32 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4032-SP-02
4.0 mm x 34 mm, Double Lead, Nonlocking, Cannulated Screw	339-4034-SP-01
4.0 mm x 34 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4034-SP-02
4.0 mm x 36 mm, Double Lead, Nonlocking, Cannulated Screw	339-4036-SP-01
4.0 mm x 36 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4036-SP-02
4.0 mm x 38 mm, Double Lead, Nonlocking, Cannulated Screw	339-4038-SP-01
4.0 mm x 38 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4038-SP-02
4.0 mm x 40 mm, Double Lead, Nonlocking, Cannulated Screw	339-4040-SP-01
4.0 mm x 40 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4040-SP-02
4.0 mm x 42 mm, Double Lead, Nonlocking, Cannulated Screw	339-4042-SP-01
4.0 mm x 42 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4042-SP-02
4.0 mm x 44 mm, Double Lead, Nonlocking, Cannulated Screw	339-4044-SP-01
4.0 mm x 44 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4044-SP-02
4.0 mm x 46 mm, Double Lead, Nonlocking, Cannulated Screw	339-4046-SP-01
4.0 mm x 46 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4046-SP-02
4.0 mm x 48 mm, Double Lead, Nonlocking, Cannulated Screw	339-4048-SP-01
4.0 mm x 48 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4048-SP-02
4.0 mm x 50 mm, Double Lead, Nonlocking, Cannulated Screw	339-4050-SP-01
4.0 mm x 50 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4050-SP-02
4.0 mm x 55 mm, Double Lead, Nonlocking, Cannulated Screw	339-4055-SP-01
4.0 mm x 55 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4055-SP-02
4.0 mm x 60 mm, Double Lead, Nonlocking, Cannulated Screw	339-4060-SP-01
4.0 mm x 60 mm, Double Lead, Nonlocking, Cannulated Screw, Qty 2	339-4060-SP-02

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