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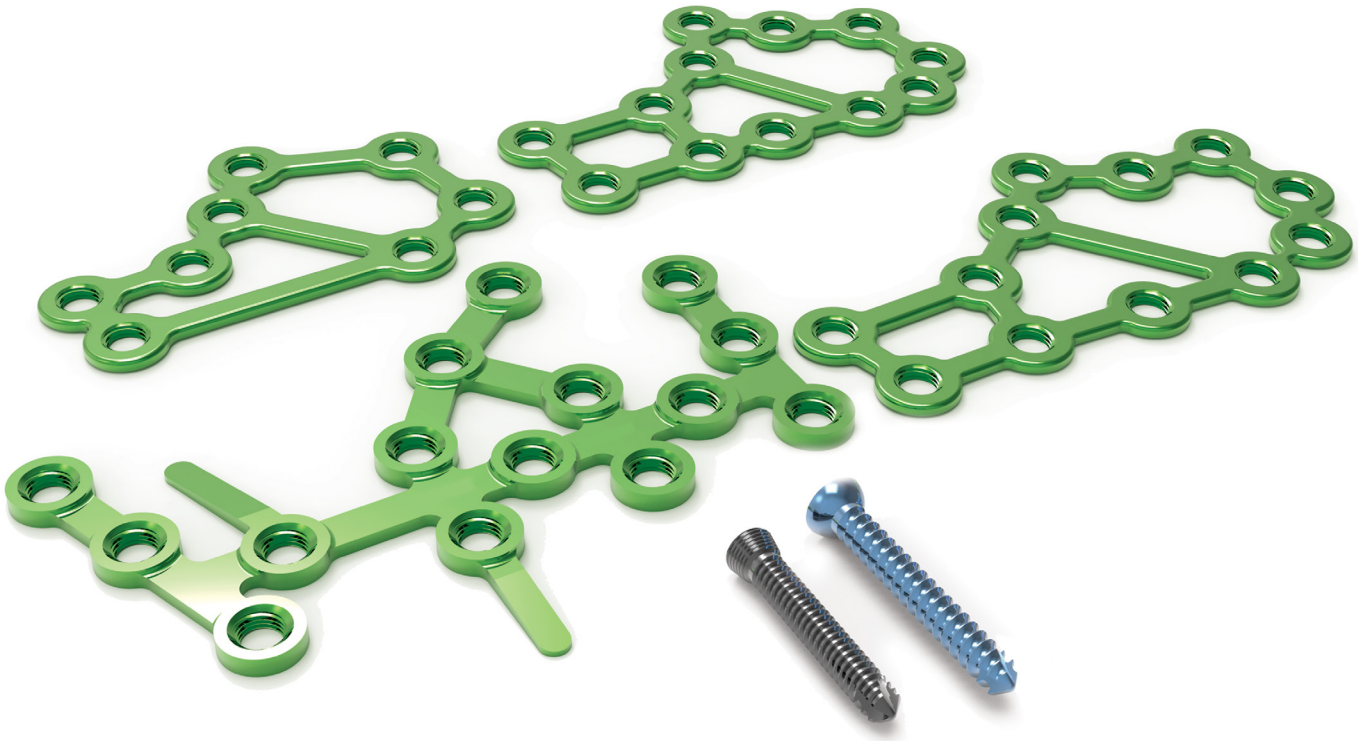
austofix Calcaneal
3.5mm Locking Plates

Surgical Technique



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Contents

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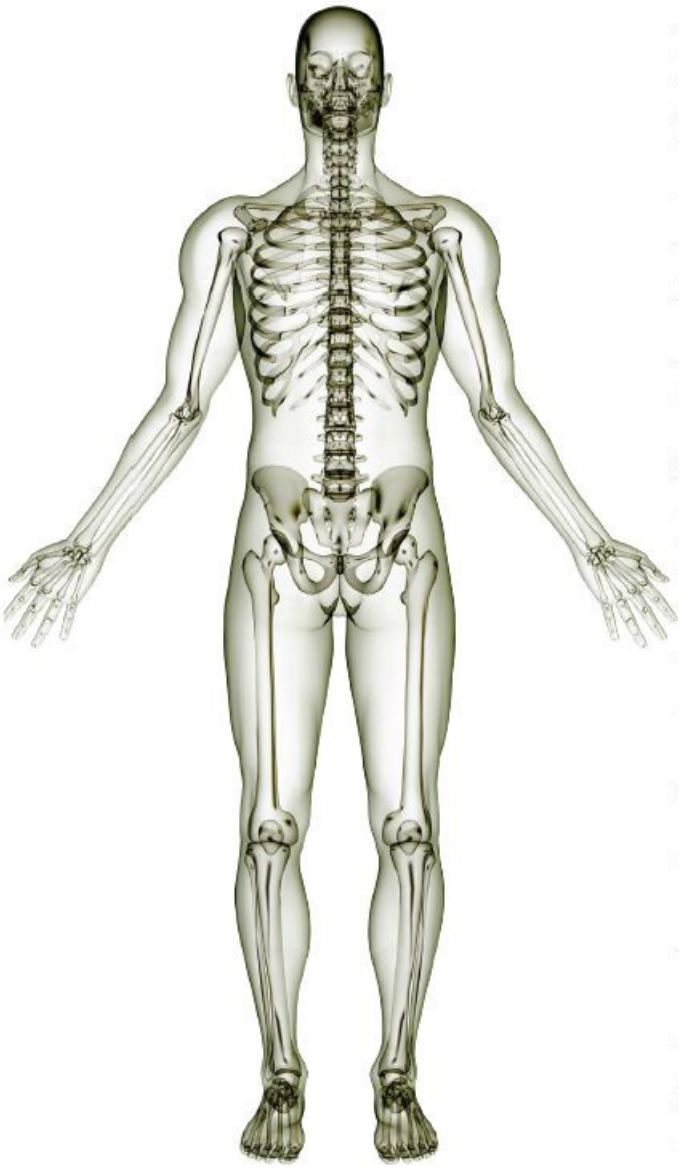


Austofix is a leading manufacturer and designer of orthopaedic trauma medical devices with a particular focus on innovation, excellence and patient safety. Austofix has the expertise and experience in developing a new device from concept to a fully Commercialised product with regulatory approval for world-wide distribution.

Throughout its 20+ years Austofix has gathered a team of world-class research and development specialists. Together with orthopaedic surgeons, our specialists identify emerging techniques and innovations in the field of orthopaedic trauma and develop world-class solutions.

Austofix is now one of Australia's key contributors to the world-wide medical technology industry. By focusing on specific market needs we can leverage our staff expertise to develop effective solutions and successfully compete on the world stage.

We understand that accidents don't wait to happen, so we ensure that our equipment and devices are ready when needed. With a dedicated 24 hour, seven day a week customer service and sales team, Austofix products are ready when you are.

With our focus on trauma we understand the specific needs of trauma surgeons. Our product specialists actively support the surgeon by being on call to support procedures and offer advice.

Austofix products and innovations assist the surgeon in performing accurate, efficient and safe procedures that result in better health outcomes for the patient.

The measurement of our success is seen through our excellent clinical results and positive surgeon feedback. We understand the need for efficiency during operations and that this is key in improving patient outcomes. Our products and tools are designed to minimise time spent in theatre. Furthermore, all clinical feedback of our products is promptly addressed to ensure product refinements reflect all surgical concerns.

For further information, updates and contact details visit austofix.com.au and follow us on LinkedIn.

Disclaimer

This document is intended to be read by experienced orthopaedic surgeons familiar with plate fixation

This document is intended as the recommended procedure for using the Small Fragment Plates system. It offers guidance only. Each surgeon should consider the particular needs of the patient and make appropriate adjustments where necessary.

For further advice please contact your local Austofix representative.

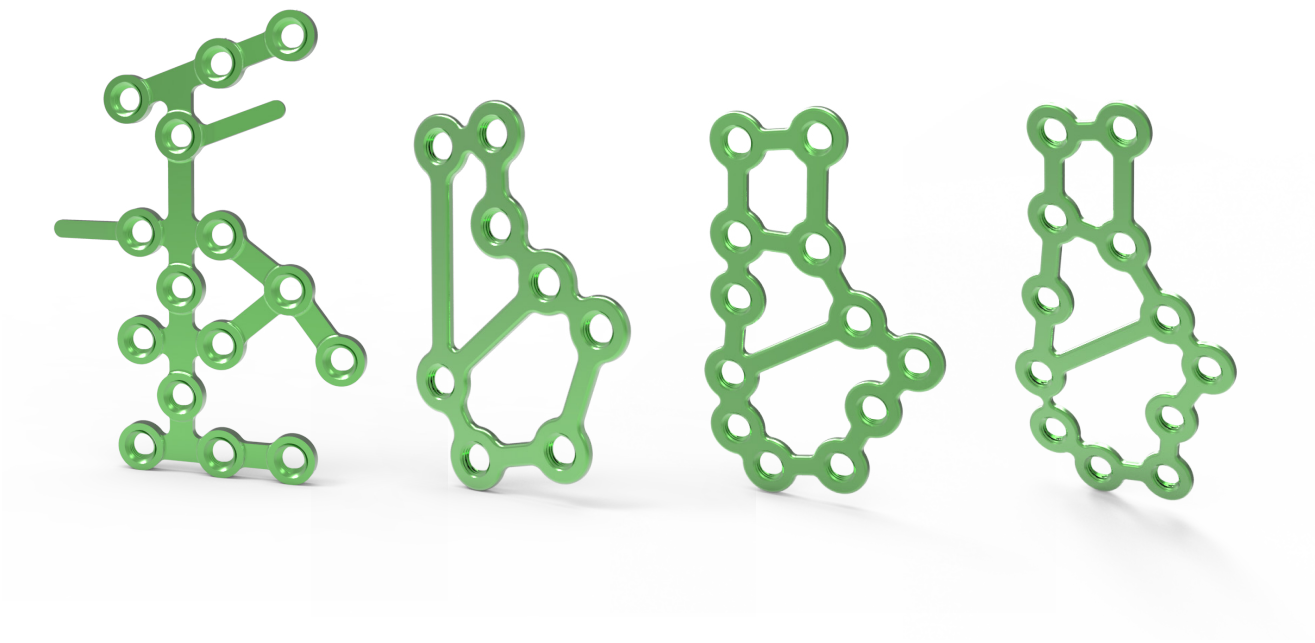
austofix Calcaneal
3.5mm Locking Plates

The Austofix Calcaneal Locking Plates provide surgeons with a complete fixation system for the many complex fracture patterns found in the calcaneus.

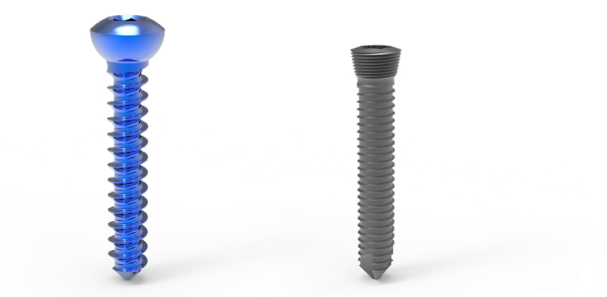
The titanium plates and screws incorporate significant design advantages, facilitating surgical accuracy and efficiency and delivering better patient outcomes.

Austofix understands the importance of proven, high quality medical devices and instruments. The Calcaneal Plates adhere to these principles and will provide the surgeon with a comprehensive calcaneal fixation solution.

Plates



Screws

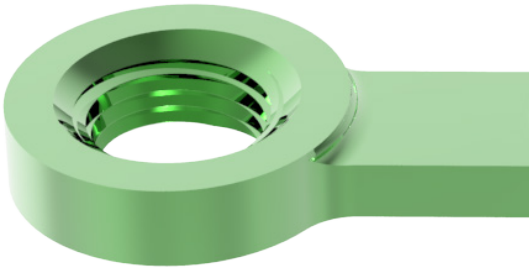


Implant Features

Plates

Threaded Hole

The Threaded Hole allows for a range of plate fixation options. The holes accommodate Cortex and Locking Screws.



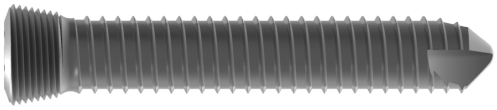
» Locking Screws link with the threads in the Threaded Hole, keeping the Screw at a fixed angle.

» Multiple points of fixation to allowing the plate to buttress fragments.

» Provides 5° of angulation for 3.5mm Cortex Screws

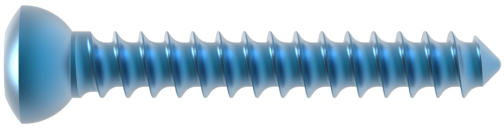
Screws

Locking Screw



- Self-Tapping
- Reduced Screw Backout
- Unicortical or Bicortical Fixation

Cortex (Cortical) Screw



- Compression

Plate Features

Anatomical Fit

» Left and right versatile designs

» Bendable tabs provide additional support for the anterior process and plantar fragments

» 53mm, 60mm & 68mm Calcaneal Locking Plate II lengths address variations of patient anatomy

» Bendable and removable locking holes allows adaptation to unique clinical indications

Calcaneal Locking

» Multiple locking holes provide flexibility in Locking Screw fixation

» Calcaneal Locking Plate I houses 15 locking holes

» 8 & 12 hole Calcaneal Locking Plate II options

» Fixed-angle locking construct providing clinical benefits to patients with osteopenic bone

» Bicortical and/or unicortical Locking Screw fixation

» Threaded locking holes allow 3.5mm Cortex Screws for interfragmentary compression

Plate Fixation

» Optional buttress for the sustentaculum, providing superior support to the calcaneotalar articular surface

» Provides stable fracture fixation while preserving vascular supply to accelerate bone healing

Clinical Indications

» Designed to address simple and complex extra- and intra-articular fractures of the calcaneus

» Can be utilised for osteotomies and joint depression

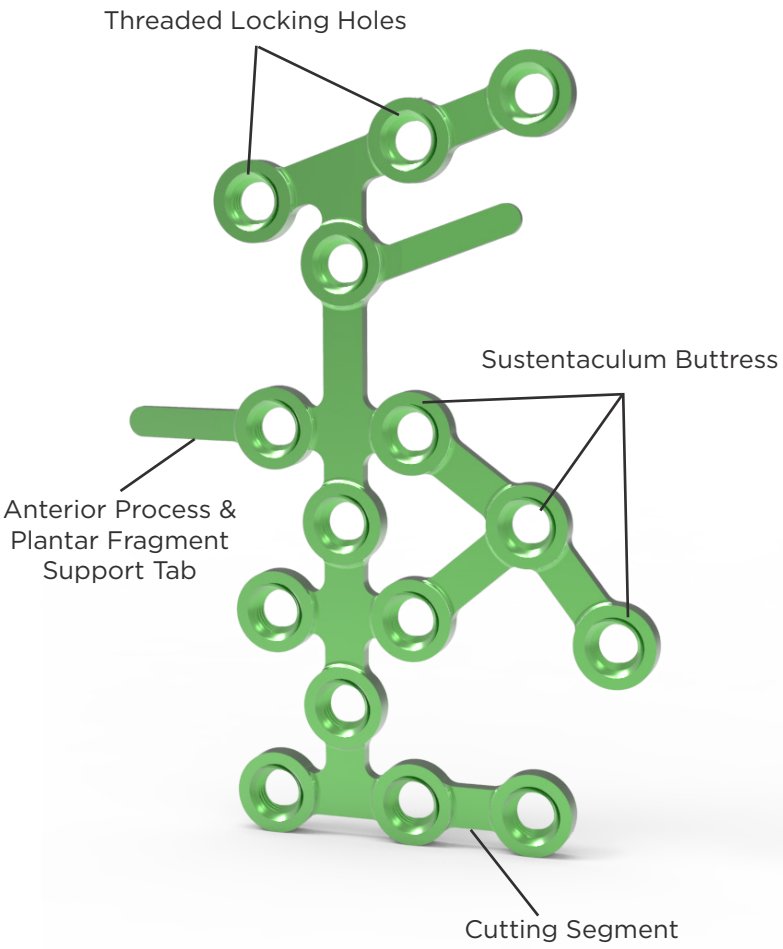


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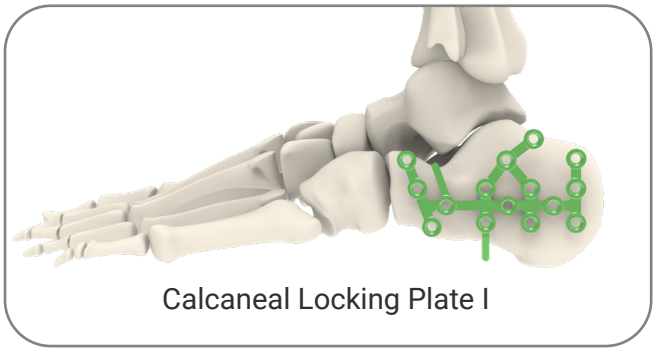
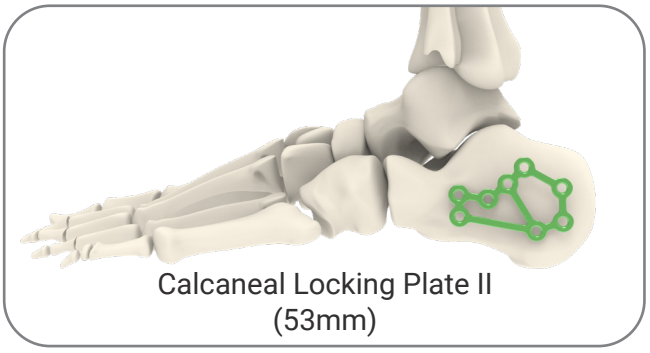
Plate Range

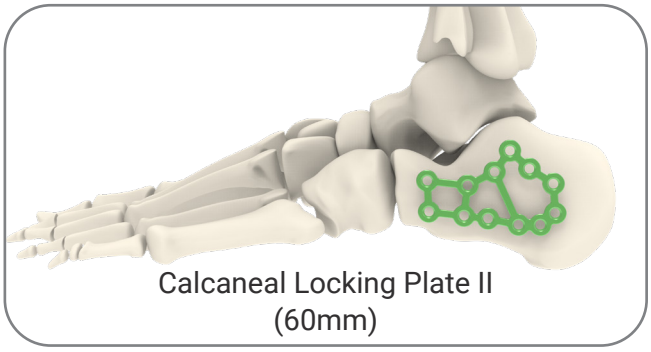
This surgical technique applies to the following locking compression plates. Plate selection is determined by surgeon.



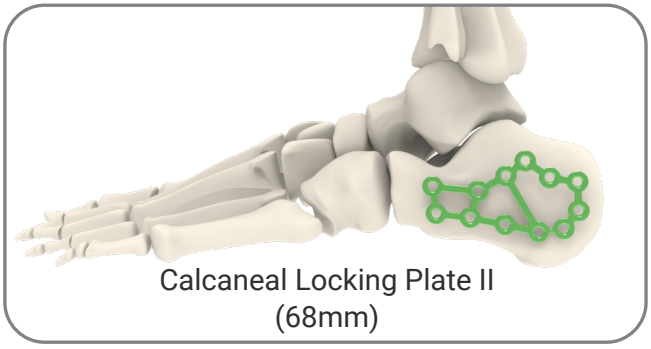
Calcaneal Locking Plate I



Calcaneal Locking Plate II
(53mm)



Calcaneal Locking Plate II
(60mm)

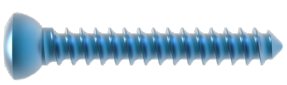


Calcaneal Locking Plate II
(68mm)

Screw Range

Locking Screw

Cortex Screw



Surgical Technique

Preparation & Plate Selection

Preoperative radiographic assessment is required to determine plate selection. Additionally, the Plate can be cut and contoured to mould to the bone (see below: Cutting, Contouring & Plate Preparation).

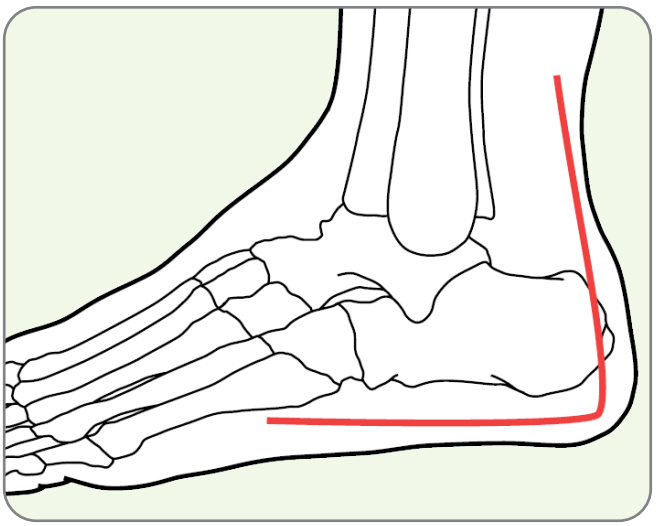
Patient Positioning

The patient should be placed in a lateral decubitus position.

Incision

A right-angled incision should be made extending down to the plantar and lateral skin junction, and continued horizontally to expose the calcaneocuboid joint. The incision should be made such that a single fold of skin and soft tissue housing the peroneal tendons, sural nerve detached calcaneofibular ligament can be easily retracted.

Note: Avoid extended periods of retraction, especially in the presence of K-Wires.

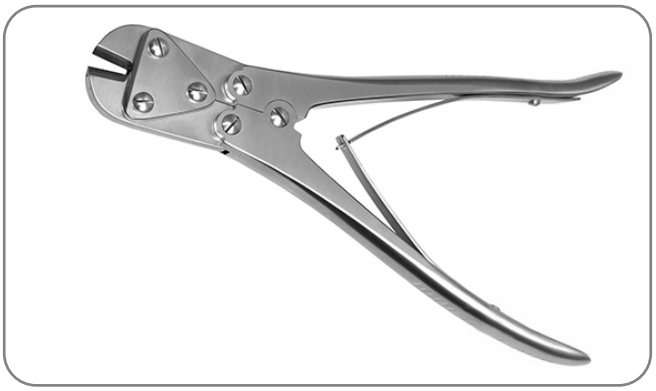


Cutting, Contouring & Plate Preparation

Cutting

Plate Locking Holes can be removed with the use of the Bone Needle Scissors (111220027)*. Support Tabs of the Calcaneal Locking Plate I can also be removed using this instrument.

Warning: Plate holes should be removed prior to contouring and preliminary plate fixation.



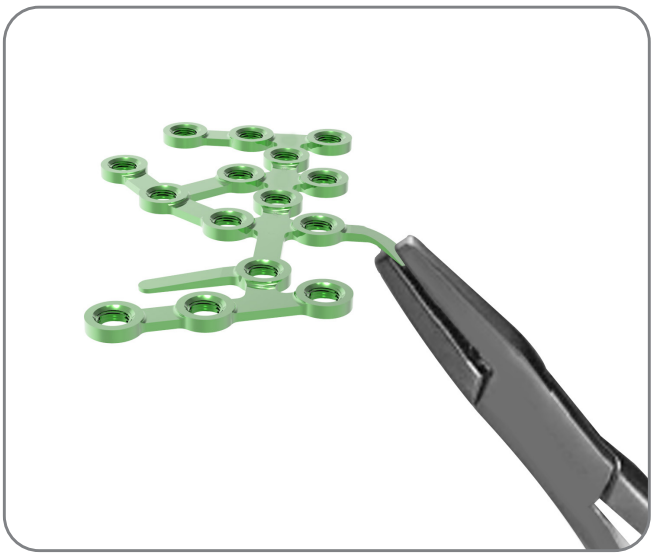
Contouring

If contouring is required, make sure to place the Plate Benders (112100002/3) on two consecutive holes to avoid distortion of the Threaded Holes. If contouring with Plate Benders is difficult, the Flat Pliers (111210012)* should be used.

The Support Tabs of the Calcaneal Locking Plate I can be bent using the Flat Pliers.

Note: It is recommended to pre-bend the superior and inferior tabs of the Calcaneal Locking Plate I prior to plate fixation.

Warning: Do NOT bend the plate beyond what is required to contour with the bone. Reverse bending, over bending, using the incorrect instrumentation for bending or bending at the level of the holes may lead to plate failure.



*Foot and Ankle Reconstruction Set (SET-INS-F&A) required.

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Reduce the Fracture

Reduce the fracture using the image intensifier, K-Wires* and/or Reduction Forceps (112100011/3). K-Wire bending and manipulation can be achieved using the supplied K-Wire Bender (112200010). Ensure that the reduction instrumentation will not interfere with plate placement.

* **Note:** 1.4mm (511415) and 2.0mm (522015) K-Wires are available for fracture reduction.

Compression Screws

Cannulated Compression Screws (Ø3.0 - Ø7.3mm) are available for interfragmentary compression and fracture fixation.

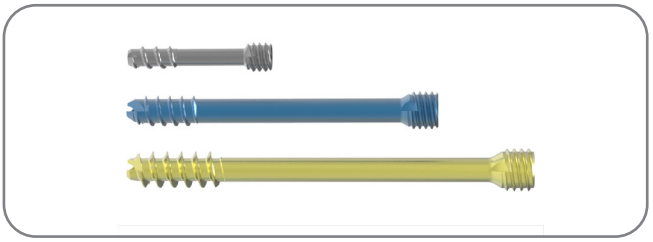
Please refer to the Austofix Cannulated Compression Screws Surgical Technique.

Note: The Cannulated Compression Screw instrument set (SET-INS-CAN) is required for this approach.

Headless Cannulated Screws are also available for fixation of intra-articular and extra-articular fractures, and non-unions of small bones.

Please refer to the Austofix Headless Cannulated Screws Surgical Technique.

Note: The Headless Cannulated Screw instrument set (SET-INS-HLCANN) is required for this approach.



Pre-Drilling

Determine whether Cortex or Locking Screws will be used. A combination of Screws may also be used.

Use the table to determine which combination of Drill/Drill Sleeve is required for the desired Screw.

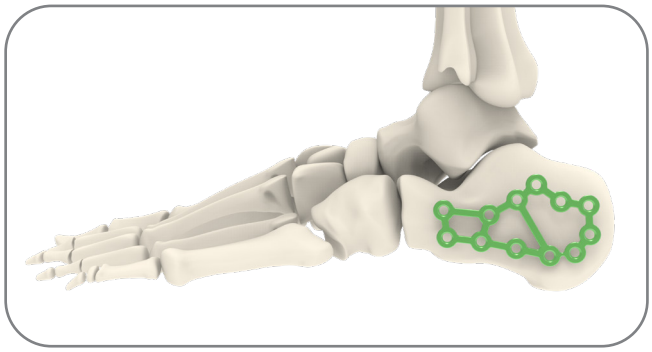
Note: If a combination of Screws is used, a Cortex Screw should be inserted first to pull the plate to the bone.

Note: If a Locking Screw is used first, care should be taken to ensure that the plate is securely held to the bone to avoid spinning of the plate about the bone as the Locking Screw is tightened to the plate.

Screw	3.5mm Cortex	3.5mm Locking
Drill	Ø2.5mm Drill (112100016)	Ø2.8mm Drill (112200004)
Drill Sleeve/ Guide	2.5mm Drill Guide (112100005)	2.8mm Threaded Drill Sleeve (112200002)
Driver	SW2.5 Hex Screwdriver (112100022/ 112100017)	T15 Star Screwdriver (112200009/ 112200003)
Torque Limiter	-	1.5Nm Torque Limiter (112200001)

Position the Plate

Place the selected plate on the fractured bone and in a suitable position. The plate can be temporarily held in place using plate holding forceps. 2.0mm K-Wires (522015) can be used to assist with determining the optimal position of the plate.



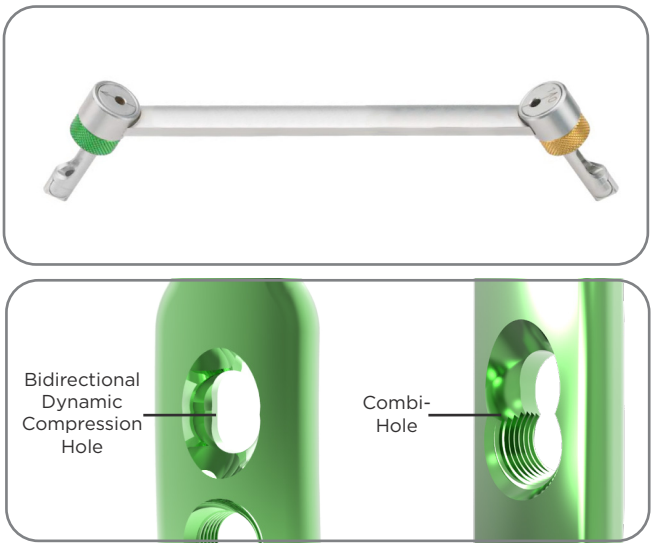
Drill Guides

The Small Frag Instrument Set contains four different drill guides. Please follow the guide below to ensure the drill guides are used appropriately.

Drill Guide, LC-L&C 2.5/3.5mm (112100004)

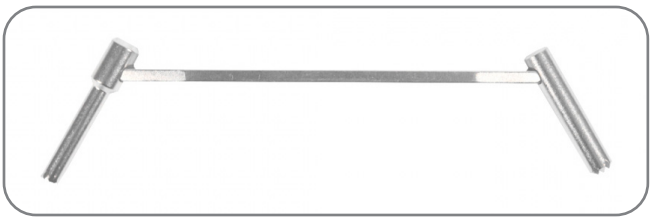
The Limited Contact Locking & Compression (LC-L&C) Drill Guide is only used with plates with limited contact features and bidirectional **Dynamic Compression Holes**. The sleeve tips are designed to seat precisely within the hole to allow accurate neutral or compression drilling.

Warning: The LC-L&C Drill Guide 2.5/3.5 (112100004) is **not** suitable for use with the 3.5mm Calcaneal Locking Plates listed in this Surgical Technique as no **bidirectional Dynamic Compression** Holes are present.



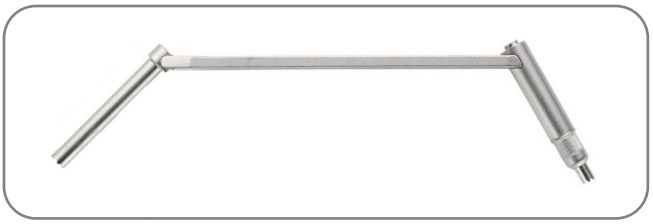
Drill Sleeve, Double 2.5/3.5mm (112100005)

The Double Drill Sleeve is a standard drill sleeve also used for inserting Screws outside of the plate to capture fragments. The larger diameter drill sleeve can additionally be used as a tap sleeve. Please refer to the Drilling section (page 12) for more information on using this drill guide.



Drill Guide, Universal 3.5/2.5mm (112100020)

The Universal Drill Guide can be used for insertion of Cortex Screws (**not** Locking Screws) through all holes including **Combi-Holes** found in the Small Fragment plating range. The spring-loaded tip allows for greater control over Screw angle within the plate hole. The drill guide also contains a larger diameter tap sleeve if tapping is required.



Drill Sleeve, Threaded 2.8mm (112200002)

The Threaded Drill Sleeve is used within the threaded portion of the **Combi-Holes** and the threaded **Locking Holes** for perpendicular insertion of Locking Screws for angular stability.

Drilling

Cortex Screw Drilling

Advance the 2.5mm sleeve of the Drill Sleeve, Double 2.5/3.5mm (112100005) through the threaded locking slot of the plate. Press the Drill Guide against the bone, and drill through both cortices with the Ø2.5mm Drill (112100016).

Locking Sleeve & Locking Screw Drilling

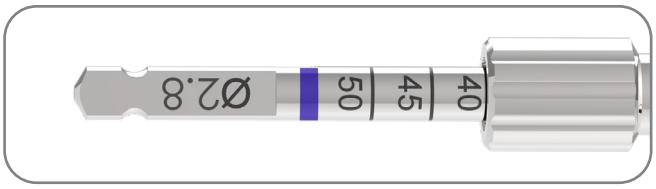
Insert the 2.8mm Threaded Drill Sleeve (112200002) into threaded hole. The Threaded Drill Sleeve will ensure the correct drilling angle. Carefully drill the Locking Screw hole through both cortices using the 2.8mm Drill (112200004).

Note: The 2.8mm Threaded Drill Sleeve and the Ø2.8mm Drill have a **blue** laser marking for easy identification.

Warning: Take care while drilling as interference can occur between Screws if the plate has been contoured. If crossing over between drilled holes occurs, cease drilling and use a Screw of the appropriate length.

Determine Screw Length

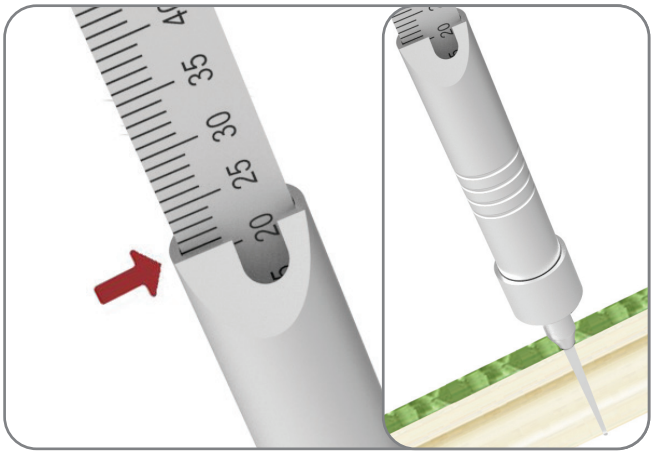
Locking Screw length can be determined by reading the depth measurement directly from the calibrated Ø2.8mm Drill (112200004).



The 2.5/4.0mm Depth Gauge (112100001) is required to determine Cortex Screw length. The Depth Gauge can be inserted directly into the hole in the bone. Measurements marked on the Depth Gauge are used to determine the Screw length. The Depth Gauge can also be used as an alternative to determining Locking Screw length.

Insert the hook of the Depth Gauge to engage the dorsal Cortex of the bone.

Read the measurements from the barrel of the Depth Gauge. If the measurement is between graduations choose the smaller Screw length.



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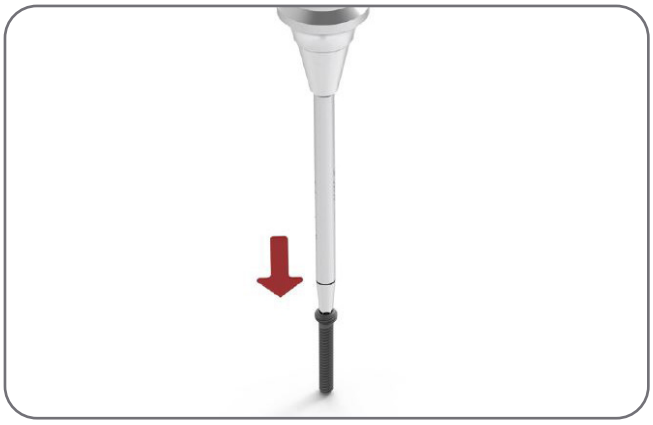
Cortex & Locking Screw Insertion

Screw Insertion

Select the appropriate Screw with the assembled Driver Tip and Handle. A Cortex Screw should be inserted first to generate interfragmentary compression.

Check the table on page 10 to confirm Driver Tip selection.

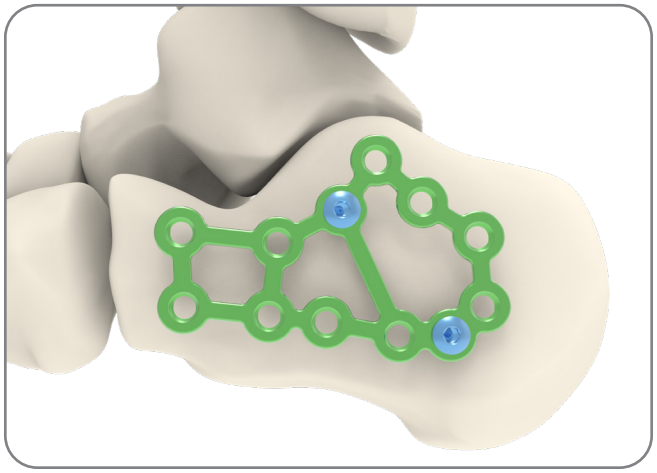


Cortex Screws

Use the Hex Screwdriver (112100022) or Power Screwdriver (112100017) to insert Cortex Screw to appropriate depth. The Screwdriver's Holding Sleeve can be used to assist in Screw insertion.

Alternatively, a Power Screwdriver (112100017) can be used.

Warning: If using power to insert Cortex Screws, complete Screw insertion by hand to avoid compromising the integrity of the plate and screw construct, and to avoid damage to patient soft tissue.



Locking Screws

Before the insertion of the Locking Screw ensure the fracture is reduced as this cannot be done after the screw has been inserted.

Ensure the desired Screw is concentric to the plate's threaded hole. Insert the Screw and tighten with the 1.5Nm Torque Limiter Screwdriver (112200001). Screw it down until the threaded screw head engages and is secure to the plate.

Warning: If using power to insert Locking Screws, always use a torque limiting attachment. This reduces the risk of the threads stripping from the head of the screw. The Star Screwdriver Shaft (112200003) can be used for insertion using power. The Locking Screws should always be tightened to the final position by hand.

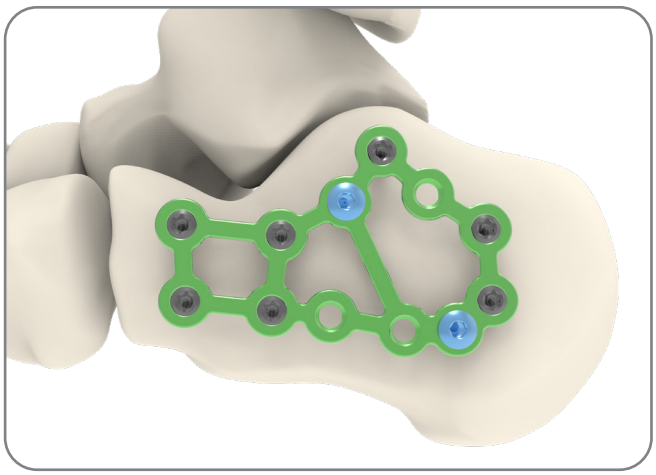
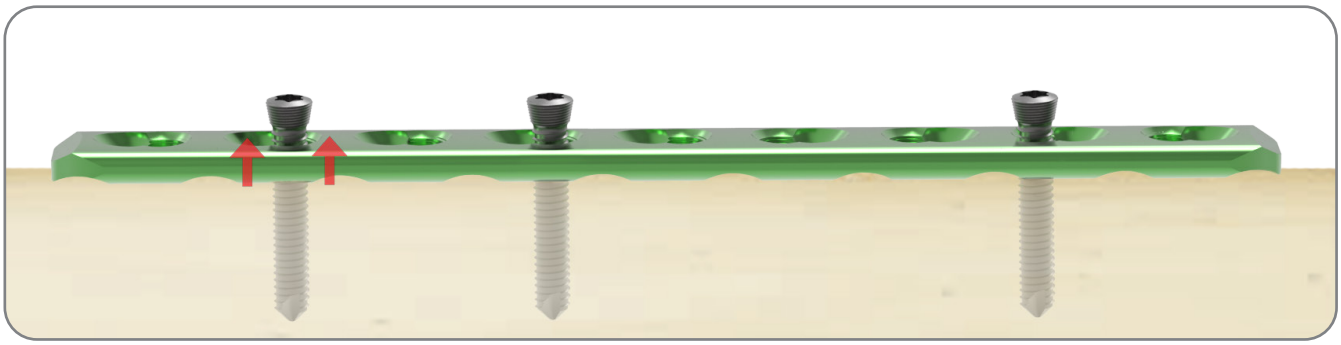


Plate Removal

To remove the Plate, unlock and partially unscrew all the Screws first using the appropriate Hex (112100022) or Star (112200009) Screwdriver for Cortex Screws and Locking Screws respectively. Continue to remove the Screws from the bone. This method prevents the simultaneous rotation of the plate when unlocking the final Locking Screw.

Note: The Easyout (112200005) can be used with the T-Handle with Quick Coupling (112100024) or a Power Drill if there are difficulties in the removal of Screws.



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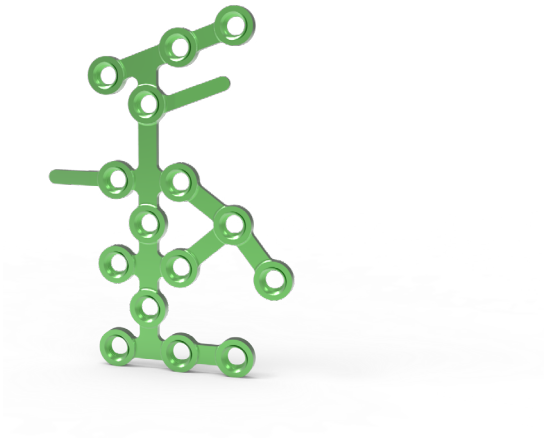
Implants

Plates

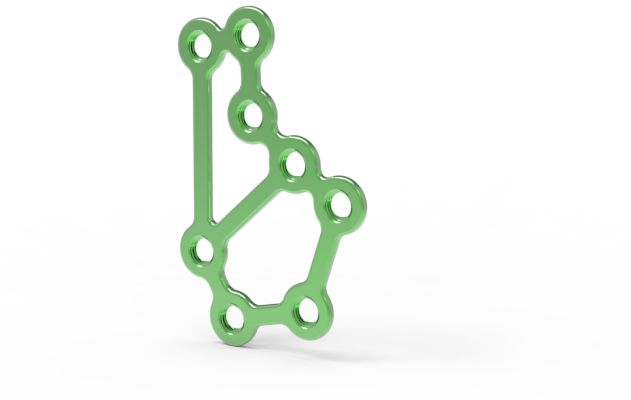
Calcaneal Locking Plate I			
Product Code	Length	No. of Holes	Left/Right
2075-00-15069L	69	15	L
2075-00-15076L	76	15	L
2075-00-15069R	69	15	R
2075-00-15076R	76	15	R

Compatible Screw: 3.5mm Cortex Screw, 3.5mm Locking Screw



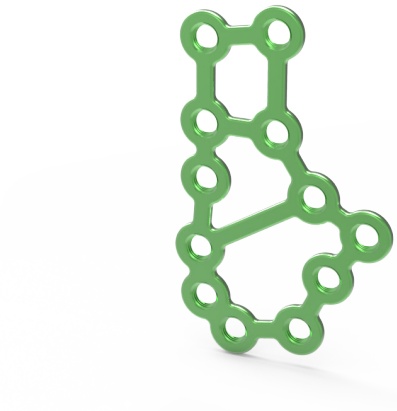
Calcaneal Locking Plate II (53mm)		
Product Code	No. of Holes	Left/Right
2140-00-08053L	8	L
2140-00-08053R	8	R

Compatible Screw: 3.5mm Cortex Screw, 3.5mm Locking Screw



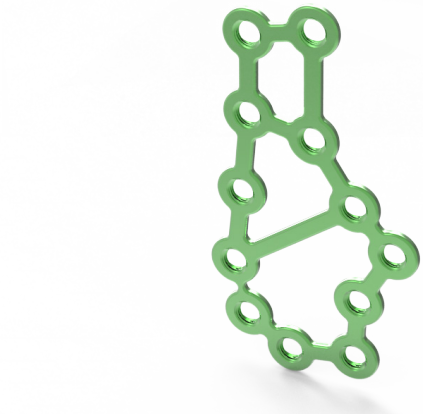
Calcaneal Locking Plate II (60mm)		
Product Code	No. of Holes	Left/Right
2140-00-12060L	12	L
2140-00-12060R	12	R

Compatible Screw: 3.5mm Cortex Screw, 3.5mm Locking Screw



Calcaneal Locking Plate II (68mm)		
Product Code	No. of Holes	Left/Right
2140-00-12068L	12	L
2140-00-12068R	12	R

Compatible Screw: 3.5mm Cortex Screw, 3.5mm Locking Screw



Screws

Locking Screw - Self-tapping	
Length	3.5mm
10	1061-00-35010
12	1061-00-35012
14	1061-00-35014
16	1061-00-35016
18	1061-00-35018
20	1061-00-35020
22	1061-00-35022
24	1061-00-35024
26	1061-00-35026
28	1061-00-35028
30	1061-00-35030
32	1061-00-35032
34	1061-00-35034
35	1061-00-35035
36	1061-00-35036
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42	1061-00-35042
44	1061-00-35044
45	1061-00-35045
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60	1061-00-35060
65	1061-00-35065
70	1061-00-35070
75	1061-00-35075
80	1061-00-35080
85	1061-00-35085
90	1061-00-35090

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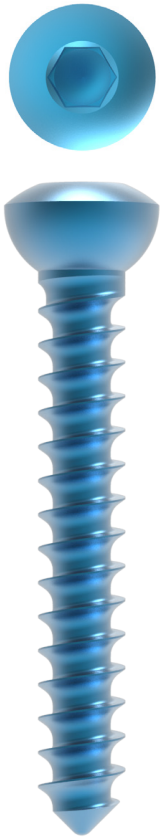
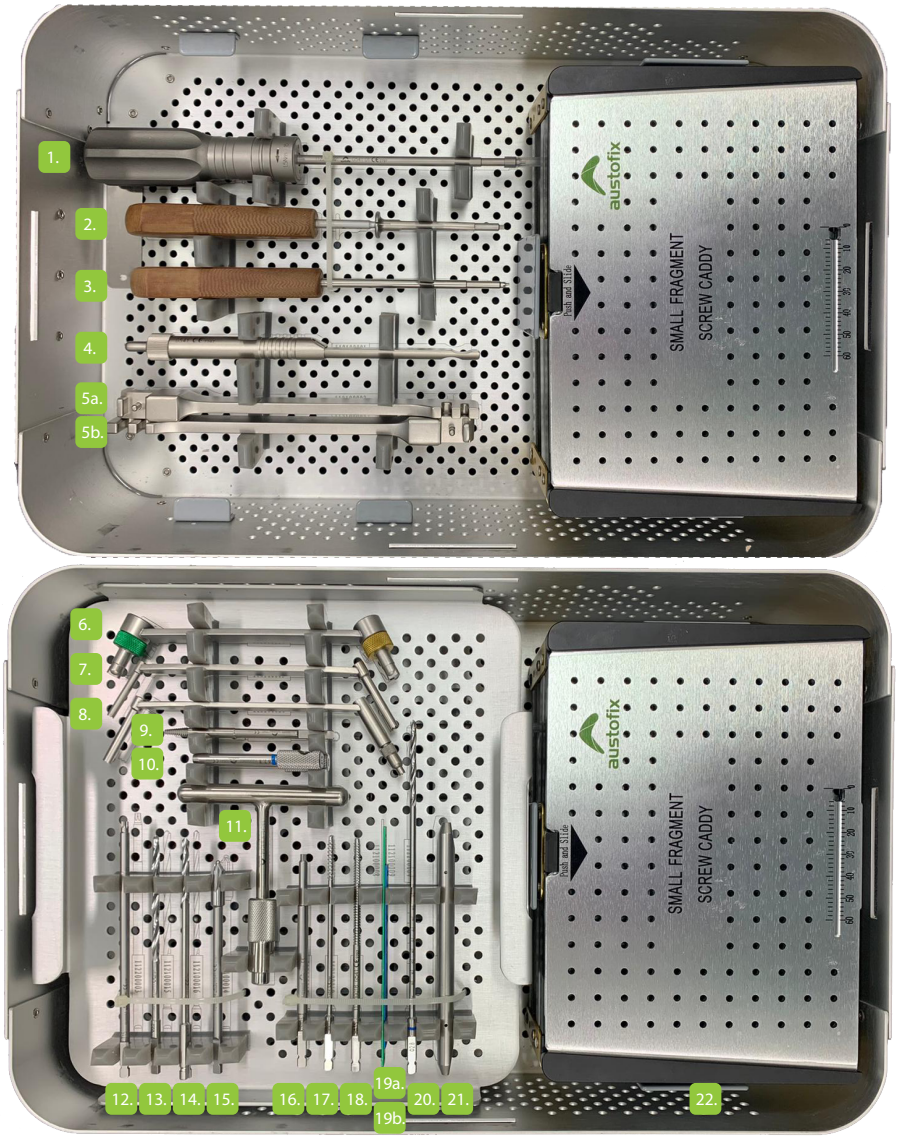
Cortex Screw - Self-tapping	
Length	3.5mm
12	1145-00-35012
14	1145-00-35014
16	1145-00-35016
18	1145-00-35018
20	1145-00-35020
22	1145-00-35022
24	1145-00-35024
26	1145-00-35026
28	1145-00-35028
30	1145-00-35030
32	1145-00-35032
34	1145-00-35034
36	1145-00-35036
38	1145-00-35038
40	1145-00-35040
42	1145-00-35042
44	1145-00-35044
46	1145-00-35046
48	1145-00-35048
50	1145-00-35050



Instruments



Instruments							
#	Code	Description	Qty	#	Code	Description	Qty
1	112200001	Torque Limiter 1.5Nm	1	12	112200003	Screwdriver Shaft, 120mm (Star)	1
2	112100022	Screwdriver (Hex) with Holding Sleeve	1	13	112100015	Drill Bit 3.5mm	1
3	112200009	Screwdriver, 200mm (Star)	1	14	112100016	Drill Bit 2.5mm	2
4	112100001	Depth Gauge 2.5/4.0mm	1	15	112100014	Countersink, 100mm	1
5a.	112100002	Plate Bender (Left), 190mm	1	16	112100017	Screwdriver Shaft 100mm (Hex)	1
5b.	112100003	Plate Bender (Right), 190mm	1	17	112100018	Tap for Cortex Screw 3.5mm	1
6	112100004	Drill Guide, LC-L&C 2.5/3.5mm	1	18	112100019	Tap for Cancellous Bone Screw 4.0mm	1
7	112100005	Drill Sleeve, Double 2.5/3.5mm	1	19a.	112100008	Bending Template (Large) 10 x 118mm	1
8	112100020	Drill Guide, Universal 3.5/2.5mm	1	19b.	112100009	Bending Template (Small) 10 x 92mm	1
9	112200005	Easyout, 80mm	1	20	112200004	Drill Bit 2.8mm	2
10	112200002	Drill Sleeve, Threaded, 2.8mm (for 3.5)	2	21	112200010	K-Wire Bender	1
11	112100024	T-Handle with Quick Coupling, 90mm	1	22	112127000	Small Frag Screw Tray	1

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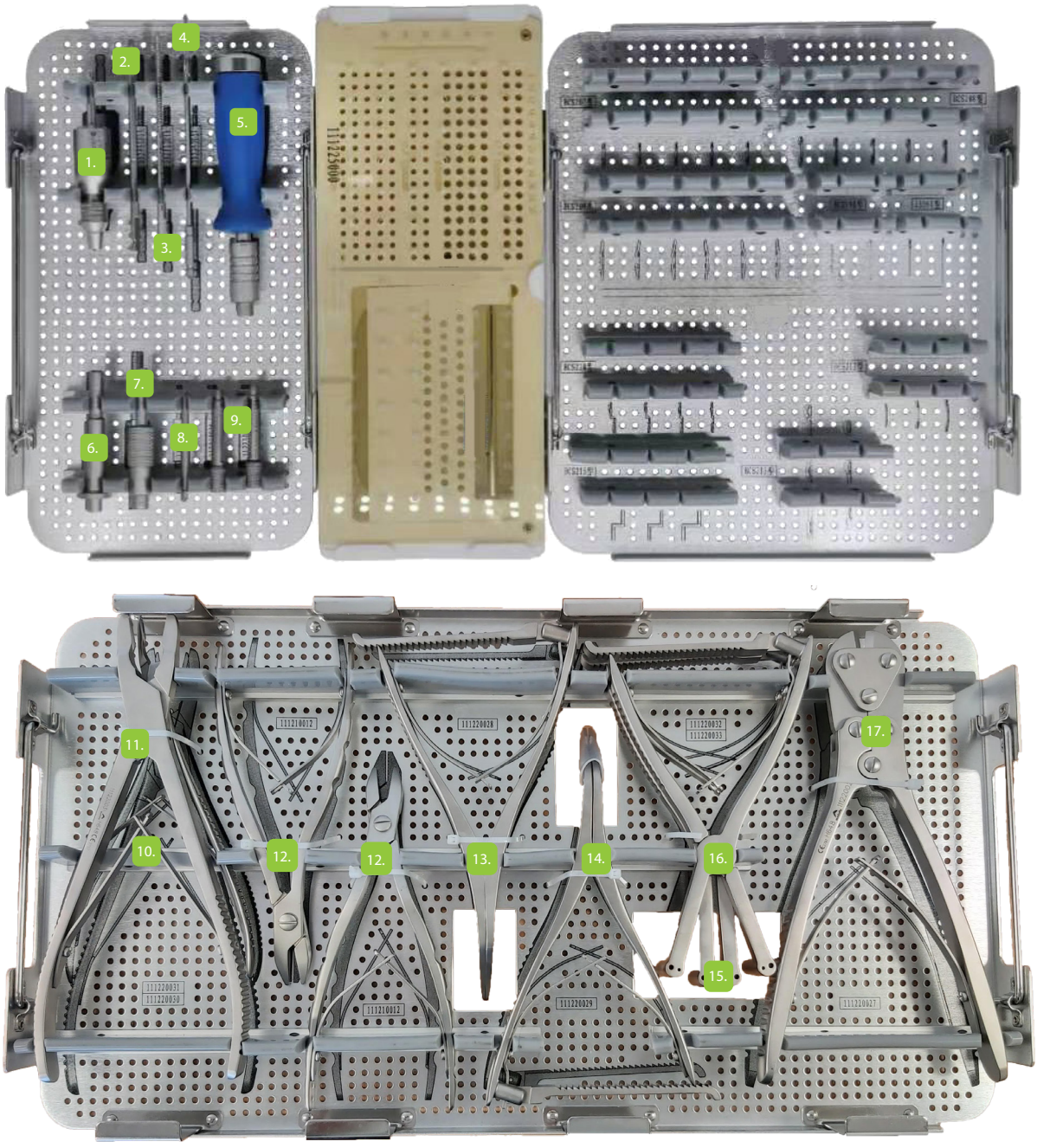
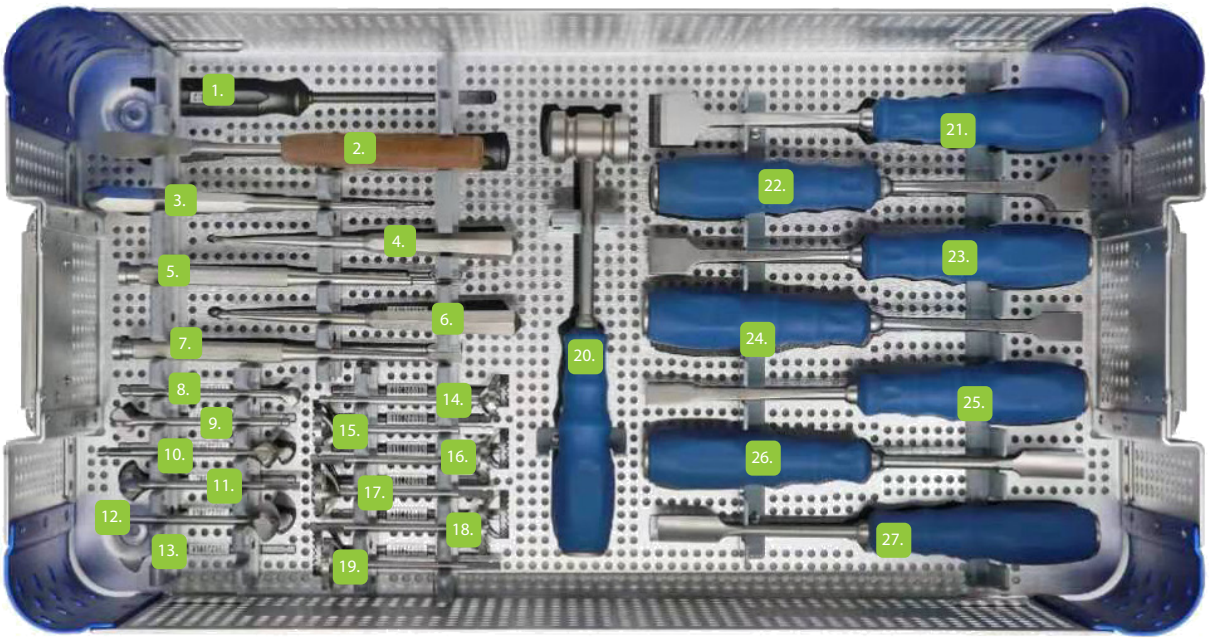
Foot and Ankle Reconstruction Set



Instruments							
#	Code	Description	Qty	#	Code	Description	Qty
1	112110057	Torque Limit Adapter 1.5Nm	1	10	111220030	Bone Rongeur 3mm (Narrow)	1
2	112230003	Screwdriver T10 (Long)	1	11	111220031	Bone Rongeur 6mm (Narrow)	1
3	112100018	Tap for Cortex Screw Ø3.5mm	1	12	111210012	Flat Plier	2
4	112230007	Drill Bit Ø2.5mm	2	13	111220028	Distractor (Narrow)	1
5	112230005	Straight Quick Connect Handle	1	14	111220029	Distractor (Wide)	1
6	112230009	Screw Holder 3.5mm	1	15	111220032	Bone Needle Distractor	1
7	112230004	Quick adapter	1	16	111220033	Bone Needle Pressure Clamp	1
8	112230006	Screwdriver T10 (Short)	1	17	111220027	Bone Needle Scissors	1
9	112230008	Drill Guide Ø2.5mm	2				



Instruments

#	Code	Description	Qty	#	Code	Description	Qty
1	111220045	Periosteal Stripper (Small)	1	14	111220010	Phalange Reamer 14mm (Concave)	1
2	111220042	Periosteal Stripper (Large)	1	15	111220011	Phalange Reamer 16mm (Concave)	1
3	111220034	Curette 4mm	1	16	111220012	Phalange Reamer 18mm (Concave)	1
4	111220036	Curette 6mm	1	17	111220013	Phalange Reamer 20mm (Concave)	1
5	111220026	Bone Chisel, Round 5mm	1	18	111220014	Phalange Reamer 22mm (Concave)	1
6	111220044	Curette 8mm	1	19	111220015	Phalange Reamer 24mm (Concave)	1
7	111220002	Osteotome 6mm	1	20	111220025	Bone Hammer	1
8	111220004	Phalange Reamer 14mm (Convex)	1	21	111220043	Osteotome 26mm	1
9	111220005	Phalange Reamer 16mm (Convex)	1	22	~~111220024~~	Osteotome 22mm	1
10	111220006	Phalange Reamer 18mm (Convex)	1	23	111220023	Osteotome 18mm	1
11	111220007	Phalange Reamer 20mm (Convex)	1	24	111220022	Osteotome 14mm	1
12	111220008	Phalange Reamer 22mm (Convex)	1	25	111220021	Osteotome 10mm	1
13	111220009	Phalange Reamer 24mm (Convex)	1	26	111220020	Bone Chisel, Round 13mm (Front Edge)	1
				27	111220019	Bone Chisel, Round 13mm (Reverse Edge)	1

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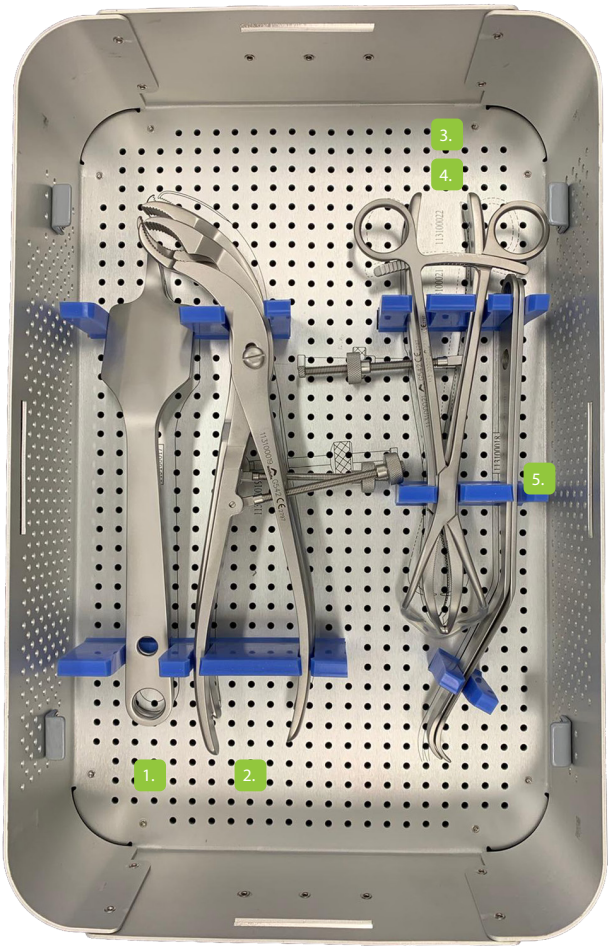
Optional Set

Universal Trauma Set



Instruments			
#	**Code**	**Description**	**Qty**
1	113100017	Hohmann Retractor (Large) 43.5 x 267mm	2
2	113100019	Self-Centering Bone Holding Forceps (Speed Lock) 266mm	1
3	113100021	Reduction Forceps (Serrated Jaws) 220mm	2
4	113100022	Reduction Forceps (Point) 207mm	1
5.	113100018	Hohmann Retractor (Small) 16 x 267mm	1
6	112100010	Self-Centering Bone Holding Forceps (Speed Lock) 191.8mm	2
7	112200012	Self-Centering Bone Holding Forceps (Compression)	1
8	112100011	Reduction Forceps (Serrated Jaws) 158mm	1
9	112100013	Reduction Forceps (Points) 182mm	1
10	112100006	Hohmann Retractor (Large) 15.5 x 159mm	2
11	112100007	Hohmann Retractor (Small) 10.5 x 170mm	2
12	113100016	Periosteal Elevator (Large)191mm	1
13	112100012	Periosteal Elevator (Small) 190mm	1

Instrument Trays & Sets

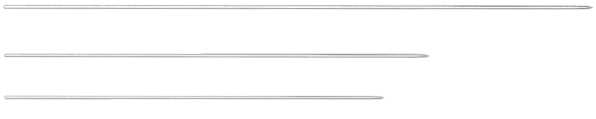
Instrument Tray		
Code	**Description**	**Qty**
112128000	Small Frag Instrument Tray PPSU (Empty)	1
113122000	Universal Trauma Instrument Tray (Empty)	1
111229001	Foot & Ankle Reconstruction Instrument Set (Empty)	1

Instrument Set		
Code	**Description**	**Qty**
SET-INS-SML	Full Small Frag Instrument Set	-
SET-INS-UTRA	Full Universal Trauma Instrument Set	-
SET-INS-F&A	Full Foot & Ankle Reconstruction Instrument Set	-

Single Use Items

Recommended K-Wires		
Code	**Description**	**Qty**
522015	2.0 x 150mm K-Wire	2
511415	1.4 x 150mm K-Wire	2

Optional K-Wires		
Code	**Description**	**Qty**
113210001	2.5 x 280mm K-Wire	2
611.112	1.1 x 120mm K-Wire	2
081.010	0.8 x 100mm K-Wire	2



Drill		
Code	**Description**	**Qty**
112100016	Drill Bit 2.5mm (for 3.5mm Cortex Screws)	1
112200004	Drill Bit 2.8mm (for 3.5mm Locking Screws)	1
112100015	Drill Bit 3.5mm	1

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MRI Safety

Austofix has not evaluated its devices for safety and compatibility in a Magnetic Resonance (MR) environment. However, the materials used in their manufacture are known to have minimal ferromagnetism, with minimal risk to patients in strong magnetic fields.

Austofix has performed a review of published, peer-reviewed data, which confirms that only minor rises in MRI-related heating are observed from devices manufactured from the same titanium and stainless-steel materials. Trauma devices are considered unlikely to produce injury to patients, including in the worst-case 3.0T systems.

The devices and materials observed in the literature experience forces too weak to cause significant displacement; the risk being further mitigated by their implantation in bone. Risks of imaging artifacts are known to MRI operators, and can be reduced by choosing appropriate pulse sequences and optimizing scanning parameters by using a large bandwidth, small field-of-view and appropriate echo train length.

Average temperature changes have been observed in studies at 0.48°C in titanium and 0.74°C in stainless-steel. Rises in temperature in clinical situations may depend on individual patient factors. It should be recommended that patients be thoroughly monitored when undergoing MR scanning, and that impaired patient thermoregulation be considered a contraindication for MRI procedures.

Sources:

Chen CA, Chen W, Goodman SB, et al. New MR Imaging Methods for Metallic Implants in the Knee: Artifact Correction and Clinical Impact. 2011, 1121-1127.

Gill A, Shellock FG. Assessment of MRI issues at 3-Tesla for metallic surgical implants: findings applied to 61 additional skin closure staples and vessel ligation clips. J Cardiovasc Magn Reson. 2012, 14(1):3.

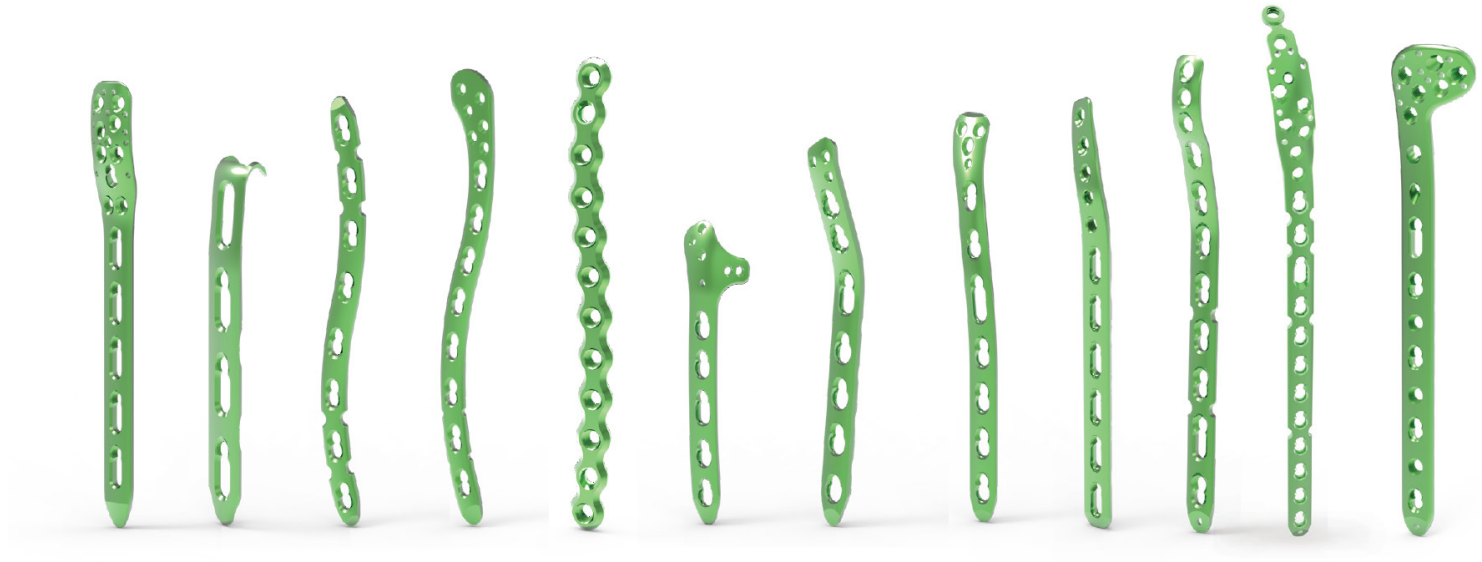
Shellock FG. Biomedical Implants and Devices: Assessment of Magnetic Field Interactions With a 3. 0-Tesla MR System. 2002, 721-732.

Zou Y, Chu B, Wang C, Hu Z. Evaluation of MR issues for the latest standard brands of orthopedic metal implants, Plates and screws. Eur J Radiol. 2015, 84(3):450-457.

Austofix Small Fragment Range

The Austofix Small Fragment Instrument Set and the Austofix Universal Trauma Set are compatible with the entire Austofix Small Fragment range of plates listed below.

For more information on the usage and technique of these plates or for product codes, see the relevant plate-specific Surgical Technique.



L&C Proximal Humeral Locking Plate

L&C Hook Locking Plate

L&C Superior Anterior Clavicle Locking Plate

L&C Superior Anterior Clavicle Lateral Extension Locking Plate

Clavicle Reconstruction Locking Plate

L&C Distal Lateral Dorsal Humeral Locking Plate (Buttress)

L&C Distal Medial Humeral Locking Plate

L&C Distal Lateral Dorsal Humeral Locking Plate

L&C Distal Humeral Extra-Articular Locking Plate

L&C Distal Humeral Middle Metaphyseal Locking Plate

L&C Olecranon Locking Plate

Proximal Humeral Greater Tubercle Locking Plate

Continued

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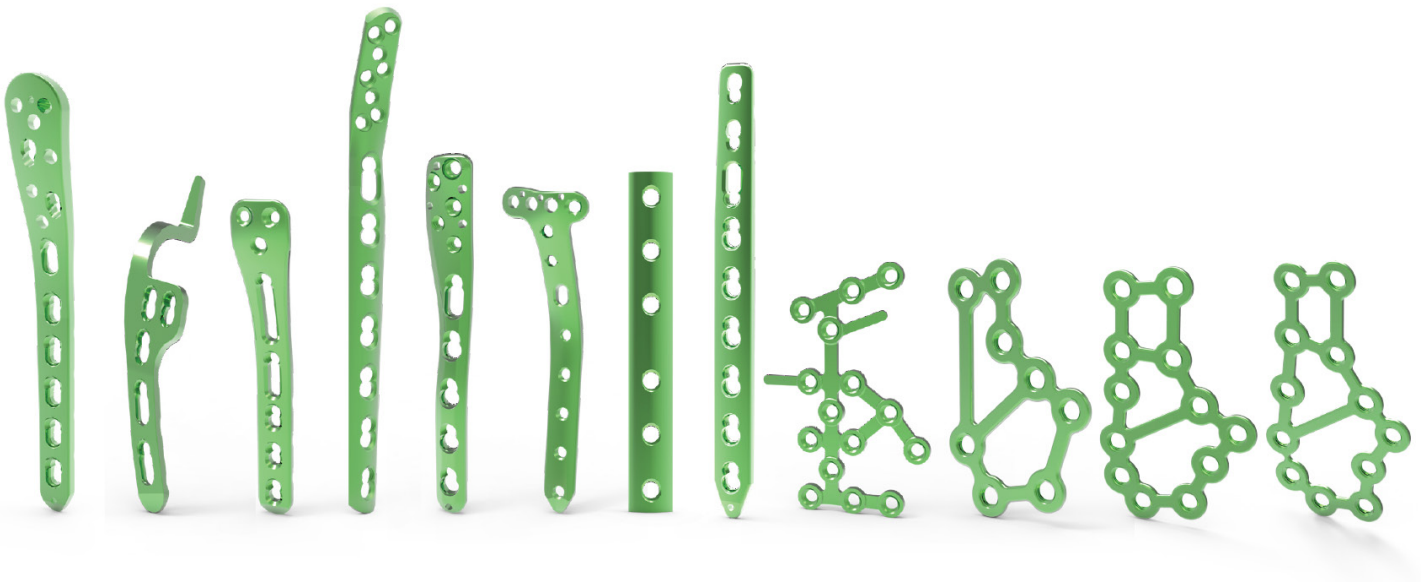


L&C Distal Medial Tibial Locking Plate

L&C Clavicle Hook Locking Plate

L&C Proximal Posterior Tibial Locking Plate

L&C Distal Posterior Lateral Fibula Locking Plate

L&C Distal Lateral Fibula Locking Plate

L&C Proximal Medial Tibial Locking T-Plate

1/3 Tubular Locking Plate

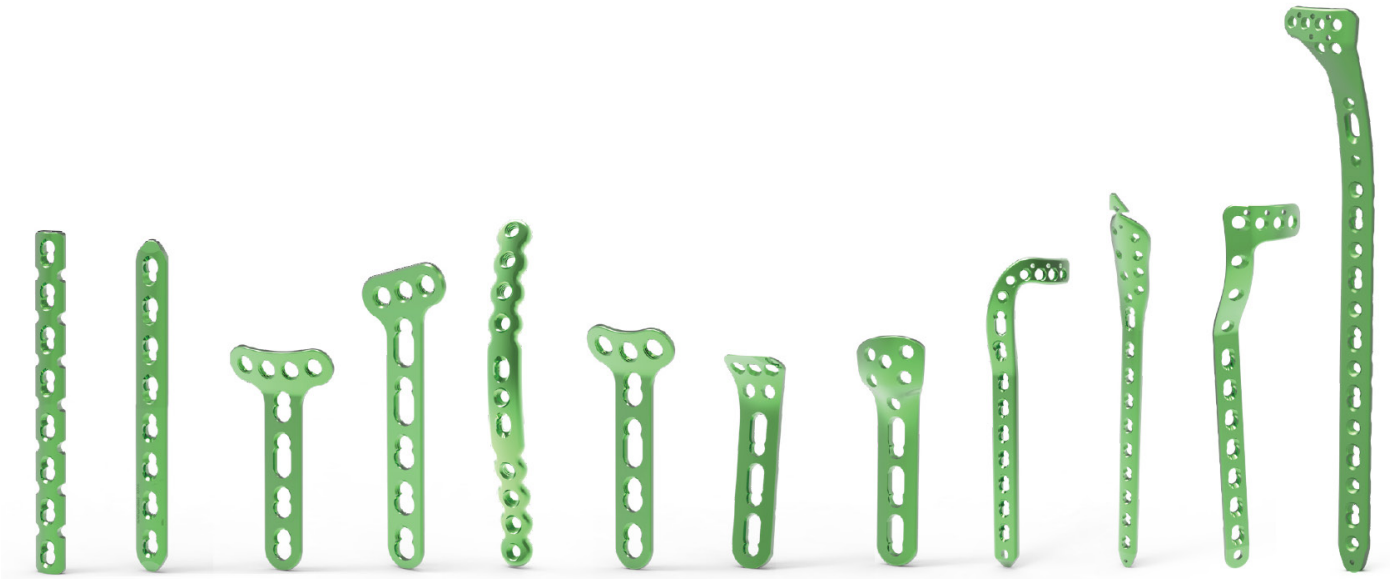
3.5mm L&C Metaphysis Locking Plate

Calcaneal Locking Plate I

Calcaneal Locking Plate II (53mm)

Calcaneal Locking Plate II (60mm)

Calcaneal Locking Plate II (68mm)



3.5mm L&C Reconstruction Locking Plate (Straight)

3.5mm LC-L&C Locking Plate (Narrow)

3.5mm L&C Locking T-Plate Right-Angle (Head 4 Hole)

3.5mm L&C Locking T-Plate Oblique-Angle (Head 3 Hole)

Clavicle Anterior Reconstruction Locking Plate

3.5mm L&C T-Plate Right-Angle (Head 3 Hole)

L&C Proximal Radius Arch Rising Locking Plate

L&C Proximal Radius Arch Cupped Locking Plate

L&C Anterolateral Distal Tibial Locking Plate

3.5mm L&C Distal Medial Tibial Locking Plate

L&C Proximal Lateral Tibial Locking Plate I

L&C Proximal Lateral Tibial Locking Plate

Notes

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Notes

austofix

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