

Small Fragment overview



PERI-LOC[◇] Ti Locked Plating System

Small Fragment Overview Surgical Technique

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Nota Bene

The technique description herein is made available to the healthcare professional to illustrate the treatment for the uncomplicated procedure. In the final analysis, the preferred treatment is the individual surgeon's decision, which addresses the needs of the specific patient.

Product overview

Introduction

The PERI-LOC® Ti Periarticular Locked Plating System from Smith & Nephew offers the advantages of locked plating with the flexibility and benefits of traditional plating in one system. Offering both locking and non-locking screw options, the PERI-LOC Ti system can provide a construct that resists angular (e.g. varus/valgus, torsional and axial) collapse while simultaneously acting as an effective aid to fracture reduction.

A simple and straightforward instrument set features standardized drill bits and color-coded instrumentation, making PERI-LOC Ti efficient and easy to use.

Indications

The PERI-LOC Ti Periarticular Locked Plating System can be used for adult and pediatric patients, as well as patients with osteopenic bone. PERI-LOC Ti plates and screws are indicated for fixation of pelvic, small and long bone fractures, including those of the tibia, fibula, femur, pelvis, acetabulum, metacarpals, metatarsals, humerus, ulna, radius, calcaneus and clavicle.

Disposable components and implants in the PERI-LOC Ti Locked Plating System are for single use only.

Design features and benefits

Optimal plate contours

The plate contours of the PERI-LOC[®] Ti Periarticular Locked Plating System were determined by studying a large collection of cadaveric specimens. Recon segments were added to plates that are specific to highly variable anatomic structures to assist with additional contouring.



Unique, versatile screw hole design

All plates in the PERI-LOC Ti system feature a unique screw hole that was designed to be used in a variety of applications at the surgeon's discretion. Each screw hole accepts both locking and non-locking screw options and allows for up to 1mm of axial compression, distraction or translation per hole. The unique design of this screw hole supports customized screw configurations to optimally treat each specific fracture.



Streamlined, color-coded implants and instrumentation

The PERI-LOC Ti system has been designed to minimize confusion during the procedure. Left and right plates are color-coded to reduce the chance of misuse. Coordinating drill guides and drill bits are color-coded for ease of use:

• Implants

Right = Rose
Left = Lime
Universal = Blue

• Instruments

2.0mm = Blue
2.7mm = Orange
3.5mm = Red
4.5mm = Yellow



Implant overview

3.5mm Proximal Humerus Locking Plate

- Anteromedial bend of the plate shaft avoids excessive stripping of the deltoid
- Periarticular recesses allow for the placement of independent lag screws
- Screw trajectories designed for optimal fixation of three and four part fractures
- Proximal suture holes with undercuts facilitate repair of soft tissues, particularly the rotator cuff tendons to augment bony fixation (up to a 2.0mm needle)
- Available in 3 and 5 hole configurations (89-115mm)



Specification overview

Plate dimensions	
Profile thickness of head	2.9mm
Width of head	22.9mm
Profile thickness of shaft	2.9mm
Width of shaft	12.3mm
Shaft hole spacing	12.7mm



Distal Humerus Locking Plates

- Three plates: medial, lateral and posterolateral
- Plate options allow for both 90°-90° and 180° (parallel) plating techniques
- Reconstruction plate segments facilitate additional contouring if necessary
- Shaft holes accept 3.5mm Locking and 3.5mm Cortex Screws
- Distal articular holes accept 2.7mm Locking and 2.7mm Cortex Screws
- Medial plate available in 5, 7, 9 and 11 hole configurations (79-151mm)
- Lateral plate available in 5, 7, 9 and 11 hole configurations (77-153mm)
- Posterolateral plate available in 5, 7 and 9 hole configurations (80-132mm)



Medial



Lateral



Posterolateral

Specification overview

Medial plate dimensions	
Profile thickness of head	NA
Width of head	NA
Profile thickness of shaft	3.1mm
Width of shaft	10.9mm
Shaft hole spacing	12.0mm

Specification overview

Lateral plate dimensions	
Profile thickness of head	NA
Width of head	NA
Profile thickness of shaft	3.1mm
Width of shaft	10.9mm
Shaft hole spacing	12.7mm

Specification overview

Posterolateral plate dimensions	
Profile thickness of head	NA
Width of head	NA
Profile thickness of shaft	3.1mm
Width of shaft	10.9mm
Shaft hole spacing	12.7mm

Olecranon Locking Plate

- Coronal bend of the 8 hole plate accommodates ulnar anatomy
- Recon plate segments facilitate additional contouring if necessary
- Two articular tines provide additional stability in the triceps tendon
- Proximal K-wire holes facilitate provisional wire fixation or triceps augmentation of fixation with sutures through holes
- Proximal articular screw holes accept 2.7mm Locking and 2.7mm Cortex Screws
- Shaft screw holes accept 3.5mm Locking and 3.5mm Cortex Screws
- Available in 4, 6 and 8 hole configurations (56-107mm)



Specification overview

Plate dimensions	
Profile thickness of head	NA
Width of head	NA
Profile thickness of shaft	3.1mm
Width of shaft	10.9mm
Shaft hole spacing	12.7mm



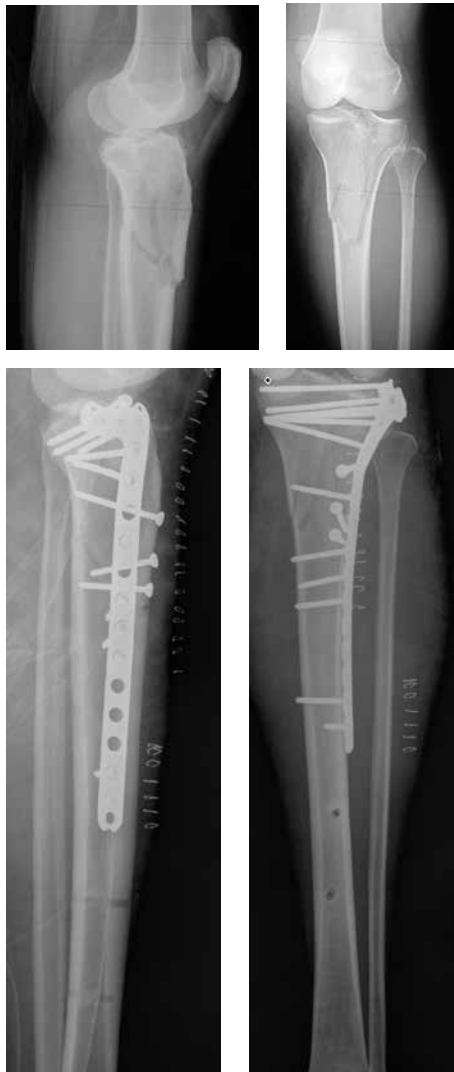
3.5mm Lateral Proximal Tibia Locking Plate

- Beveled tip assists with submuscular insertion
- Radiolucent targeter available for percutaneous technique
- Plate head has 5° posterior tilt and is contoured to match the lateral proximal tibia
- Plate shaft has 3° bend to match diaphysis of tibia
- Proximal periarticular recesses allow for easy placement of independent lag screws for reduction of the articular surface
- Proximal suture holes for meniscal repair or K-wire placement for positioning
- Available in 4, 6, 8, 10 and 13 hole configurations (73-187mm)



Specification overview

Plate dimensions	
Profile thickness of head	2.9mm
Width of head	31.8mm
Profile thickness of shaft	3.7mm
Width of shaft	11.2mm
Shaft hole spacing	12.7mm



3.5mm Lateral Tibia Buttress Locking Plate

- Beveled tip assists with submuscular insertion
- Anatomically contoured to match the lateral proximal tibia
- Low profile, two hole design for reduced soft tissue irritation
- Proximal periarticular recesses allow for easy placement of independent lag screws for reduction of the articular surface
- Proximal suture holes for meniscal repair or K-wire placement for positioning
- Available in 4, 6, 8, 10 and 13 hole configurations (73-187mm)



Specification overview

Plate dimensions	
Profile thickness of head	2.9mm
Width of head	31.6mm
Profile thickness of shaft	3.7mm
Width of shaft	11.2mm
Shaft hole spacing	12.7mm

3.5mm Medial Distal Tibia Locking Plate

- Beveled tip assists with submuscular insertion
- Distal K-wire holes for provisional fixation and to assist with joint surface reduction
- Radiolucent targeter available for percutaneous technique
- Anatomically contoured to match the distal tibia
- Available in 6, 8, 10 and 13 hole configurations (146-235mm)



Specification overview

Plate dimensions	
Profile thickness of head	2.7mm
Width of head	19.2mm
Profile thickness of shaft	3.8mm
Width of shaft	13.6mm
Shaft hole spacing	12.7mm

3.5mm Anterolateral Distal Tibia Locking Plate

- Helical twist of the plate shaft contours to the lateral tibia
- Beveled tip assists with submuscular insertion
- Distal periarticular recesses allow for easy placement of independent lag screws for reduction of articular surface
- Available with 3 or 4 hole configuration distally to best address the patient's anatomy
- Available in 4, 6, 8, 10 and 13 hole configurations (72-186mm)



Large plate

Specification overview

Large plate dimensions	
Profile thickness of head	2.4mm
Width of head	33.5mm
Profile thickness of shaft	3.9mm
Width of shaft	13.5mm
Shaft hole spacing	12.7mm



Small plate

Small plate dimensions	
Profile thickness of head	2.4mm
Width of head	28.5mm
Profile thickness of shaft	3.9mm
Width of shaft	13.5mm
Shaft hole spacing	12.7mm

3.5mm Locking Recon Plate

- Reconstruction segments assist with three dimensional contouring
- Beveled tip for submuscular insertion
- Available in 4, 6, 8, 10, 12 and 14 hole configurations (46-166mm)



Specification overview

Small plate dimensions	
Profile thickness of head	NA
Width of head	NA
Profile thickness of shaft	3.1mm
Width of shaft	11.0mm
Shaft hole spacing	12.0mm

3.5mm Locking Compression Plate

- Beveled tip for submuscular insertion
- Each screw hole allows for 1mm of axial compression, distraction or translation
- Available in 4, 6, 8, 10, 12 and 14 hole configurations (67-214mm)



Specification overview

Small plate dimensions	
Profile thickness of head	NA
Width of head	NA
Profile thickness of shaft	3.4mm
Width of shaft	11.0mm
Shaft hole spacing	14.5mm

Locking One-Third Tubular Plate

- Low profile design for reduced soft tissue irritation
- Beveled tip for submuscular insertion
- Available in 4, 6, 8, 10 and 12 hole configurations (57-158mm)



Specification overview

Small plate dimensions	
Profile thickness of head	NA
Width of head	NA
Profile thickness of shaft	2.0mm
Width of shaft	9.0mm
Shaft hole spacing	12.7mm

Surgical technique

Fracture reduction

Articular fracture components must be anatomically reduced prior to plate application and screw insertion. Reduction aids should be placed so as not to interfere with final plate placement. Reduce and provisionally secure fragments using:

K-wires*

1.25mm x 150mm	7116-1012
1.6mm x 150mm	7116-1016
2.0mm x 150mm	7116-1020

Note If K-wires are to be inserted through the K-wire holes on a PERI-LOC® Ti small fragment plate for the purpose of provisional fixation, it is recommended that 1.6mm wires be used. K-wires can also be placed through the locking drill guides.

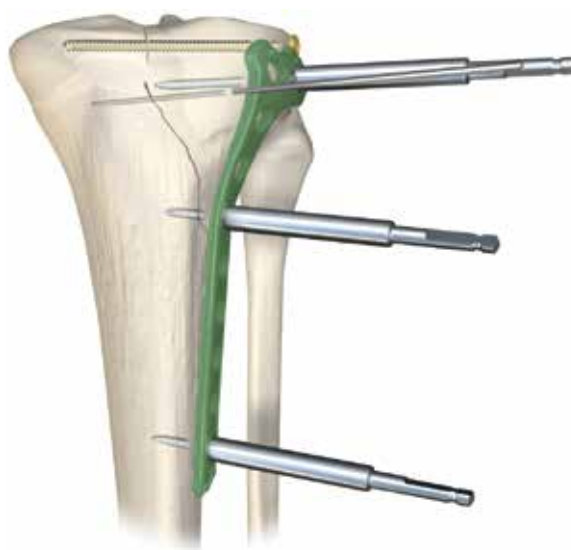
Provisional Fixation Pins**

2.7mm x 18mm	7117-3322
2.7mm x 40mm	7117-3323
2.7mm x 18mm for Guide	7117-0811
2.7mm x 40mm for Guide	7117-0812

Note Provisional Fixation Pins may be inserted on power, but should always be seated manually in order to avoid stripping of the threads and loss of purchase. Bicortical purchase of the provisional fixation pin will decrease the chance of stripping and pull-out.

Reduction Forceps*

Reduction Forceps with Ratchet, 205mm	7117-0044
Reduction Forceps with Ratchet-Bowed, 205mm	7117-3370
Reduction Forceps with Points, Broad	7117-3377
Reduction Forceps with Serrated Jaw	7117-3378
Ball Spike Reduction Clamp, Medium	7117-1212
Ball Spike Reduction Clamp, Large	7117-1213



* Located in the PERI-LOC Titanium Ancillary Instrument Tray

** Located in the PERI-LOC Titanium Small Fragment Instrument Tray

Ball Spike Reduction Clamp

Assemble either the 15mm or 25mm Spiked Washer (7117-1220, 7117-1221) to the Ball Spike Reduction Clamp by pushing the tip of the clamp into the washer until it snaps on.

Care should be taken when handling the clamps and spiked washers to avoid the sharpened tips.

If the ball spike clamp is to be used with a plate, insert one of the tips into the desired plate hole and engage the other tip with the bone on the opposite cortex. If using a spiked washer on the far-side clamp tip, ensure that the spikes are against bone. Consideration for the Spiked Washer should be given in osteoporotic or comminuted bone.



15mm Spiked Washer



Medium Ball Spike Reduction Clamp

3.5mm Proximal Humerus Plate

Plate selection

Following fracture reduction, select the 3.5mm Proximal Humerus Locking Plate that best accommodates patient anatomy and fracture pattern.

Note The PERI-LOC® Ti 3.5mm Proximal Humerus Locking Plate Preoperative Template (7118-0976) is available to assist with preoperative radiographic planning. Additionally, there are left and right Proximal Humerus Titanium Templates (7117-0519, 7117- 0520) located in the PERI-LOC® Ti Template Tray to assist with intra-operative plate selection.



Plate positioning

Position the plate approximately 1cm distal to the rotator cuff attachment on the superior aspect of the greater tuberosity. The plate should sit posterolateral to the bicipital groove. Avoid placing plate too proximal on the humerus as this increases the risk of subacromial impingement. Similarly, placement too distal may compromise distal screw purchase in the humeral head.

The PERI-LOC Ti 3.5mm Proximal Humerus Plate may be implanted using either the “proximal-first” or “shaft-first” screw insertion method.



Proximal-first Method

This technique allows for initial fixation of the plate to the humeral head followed by its reduction to the shaft.

Shaft-first Method

This technique allows for up to 5mm of proximal and/or distal plate translation along the humeral shaft prior to definitive fixation. To obtain maximum translation, the elongated slot in the plate shaft must be used. This method should be employed if plate positioning is an issue.

Distal Humerus Plates

Plate selection

Following fracture reduction, select the Distal Humerus Locking Plates that best accommodate patient anatomy and fracture pattern. It is recommended to select plates of different length in order to reduce the risk of a diaphyseal stress riser.

Note The PERI-LOC® Ti Distal Humerus Locking Plate Preoperative Templates (7118-0977, 7118-0978, 7118-0979) are available to assist with preoperative radiographic planning. Additionally, there are left and right Distal Humerus Titanium Templates for all three plates (7117-0513, 7117-0514, 7117-0515, 7117-0516, 7117-0517, 7117-0518) located in the PERI-LOC Ti Template Tray to assist with intraoperative plate selection.

90°–90° Technique

This construct involves application of the medial distal humerus plate to the medial column and the posterolateral plate to the lateral.

180° (Parallel) Technique

This construct involves the application of the medial distal humerus plate to the medial column and the lateral distal plate to the lateral.



90°–90° Technique

180° Technique

Medial plate

The plate rests along the medial ridge of the distal humerus extending distally to the insertion point of the medial collateral ligament. Plate application needs to take into account the ulnar nerve.



Medial plate

Posterolateral plate

The plate rests along the posterolateral aspect of the distal humerus with its most distal part covering the edge of the capitulum just lateral to the insertion point of the lateral collateral ligament.



Posterolateral plate

Lateral plate

The plate rests along the lateral ridge of the distal humerus extending distally around the lateral epicondyle to the insertion point of the lateral collateral ligament.



Lateral plate

Plate application

Reduce the fracture beginning with the least comminuted column. Confirm coronal and sagittal alignment along with plate position on the shaft. Provisionally fix the plate to the bone using one 2.7mm x 18mm Provisional Fixation Pin (7117-3322)*. Alternatively, Fracture Reduction Forceps or K-wires may be used. Proceed with application of the second plate to the other column. Reconfirm alignment and plate placement.

Distal 2.7mm screw trajectory may be confirmed by threading a 2.0mm Locking Drill Guide into a distal screw hole and inserting a 2.0mm K-wire to the desired depth.

*Alternatively, a 2.7mm x 18mm Drill Guide Provisional Fixation Pin may be used through a 2.7mm Locking Drill Guide

Olecranon Locking Plate

Plate selection

Following fracture reduction, select the Olecranon Locking Plate that best accommodates patient anatomy and fracture pattern.

Note The PERI-LOC® Ti Olecranon Locking Plate Preoperative Template (7118-0980) is available to assist with preoperative radiographic planning. Additionally, there are left and right Olecranon Titanium Templates (7117-0511, 7117-0512) located in the PERI-LOC Titanium Template Tray to assist with intraoperative plate selection.

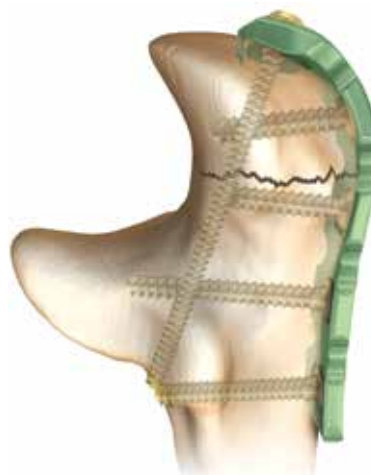
Plate positioning

Apply the selected plate to the dorsal aspect of the proximal ulna with the curved tip contouring around the olecranon. The articular lines should penetrate the triceps tendon providing proximal provisional fixation.

Provisionally fix the plate to the shaft of the olecranon using one 2.7mm x 18mm Provisional Fixation Pin (7117-3322)*.

Plate contouring

Occasionally, minor plate contouring is required prior to implantation. If necessary, this may be accomplished with the Small Fragment Bending Irons (7117-3636) located in the PERI-LOC Ti Small Fragment Instrument Tray.



*Alternatively, a 2.7mm x 18mm Drill Guide Provisional Fixation Pin may be used through a 2.7mm Locking Drill Guide

3.5mm Lateral Proximal Tibia Locking Plate

Plate selection

Following fracture reduction, select the Lateral Proximal Tibia Locking Plate that best accommodates patient anatomy and fracture pattern. In general, a longer plate allows for better mechanical advantage over a shorter plate. An allowance for five screw holes below the most distal aspect of the fracture is recommended when selecting a plate length.



Note The PERI-LOC® Ti 3.5mm Lateral Proximal Tibia Locking Plate Preoperative Template (7118-1638) is available to assist with preoperative radiographic planning. Additionally, there are left and right Lateral Proximal Tibia Titanium Templates (7117-0527, 7117-0528) located in the PERI-LOC® Ti Template Tray to assist with intraoperative plate selection.

Plate positioning

Insert the plate and position it to the lateral proximal tibia. Reduce the fracture manually and confirm coronal and sagittal alignment as well as plate position on the shaft.



Note The Lateral Proximal Tibia plate features periarticular recesses for placement of independent lag screws to assist with joint surface reduction.

Provisionally fix the plate to the diaphysis with two 2.7mm x 18mm Provisional Fixation Pins (7117-3322)* with adequate spread between them. Place one 2.7mm x 40mm Provisional Fixation Pin (7117-3323)* in one of the proximal holes under the joint. Proceed with definitive fixation.

*Alternatively, Drill Guide Provisional Fixation Pins may be used through 2.7mm Locking Drill Guides

3.5mm Lateral Tibia Buttress Locking Plate

The 3.5mm Lateral Tibia Buttress Plate was designed to be used in patients with little soft tissue coverage on the anterolateral proximal tibia. This plate is designed to sit more posterior than the traditional 3.5mm Lateral Proximal Tibia Plate to reduce anterior plate impingement.



Plate selection

Following fracture reduction, select the Lateral Tibia Buttress Locking Plate that best accommodates patient anatomy and fracture pattern. In general, a longer plate allows for better mechanical advantage over a shorter plate. An allowance for five screw holes below the most distal aspect of the fracture is recommended when selecting a plate length.

Note The PERI-LOC° Ti 3.5mm Lateral Tibia Buttress Locking Plate Preoperative Template (7118-1491) is available to assist with preoperative radiographic planning. Additionally, there are left and right Lateral Tibia Buttress Titanium Templates (7117-0496, 7117-0497) located in the PERI-LOC° Ti Template Tray to assist with intraoperative plate selection.

Plate positioning

Insert the plate and position it to the lateral proximal tibia. Reduce the fracture manually and confirm coronal and sagittal alignment as well as plate position on the shaft.

Note The Lateral Tibia Buttress plate features a periarticular recess for the placement of an independent lag screw to assist with joint surface reduction.

Provisionally fix the plate to the diaphysis with two 2.7mm x 18mm Provisional Fixation Pins (7117-3322)* with adequate spread between them. Place one 2.7mm x 40mm Provisional Fixation Pin (7117-3323)* in one of the proximal holes under the joint. Proceed with definitive fixation.

*Alternatively, Drill Guide Provisional Fixation Pins may be used through 2.7mm Locking Drill Guides

3.5mm Medial Distal Tibia Locking Plate

Plate selection

Following fracture reduction, select the Medial Distal Tibia Locking Plate that best accommodates patient anatomy and fracture pattern. In general, a longer plate allows for better mechanical advantage over a shorter plate. An allowance for five screw holes above the most proximal aspect of the fracture is recommended when selecting a plate length. The plate should be balanced well with the proximal and distal holes over cortical bone.

Note The PERI-LOC® Ti 3.5mm Medial Distal Tibia Locking Plate Preoperative Template (7118-1639) is available to assist with preoperative radiographic planning. Additionally, there are left and right Medial Distal Tibia Titanium Templates (7117-0521, 7117-0522) located in the PERI-LOC® Ti Template Tray to assist with intraoperative plate selection.

Plate Positioning

Insert the plate and position it to the medial distal tibia. Reduce the fracture manually and confirm coronal and sagittal alignment as well as plate position on the shaft. Provisionally fix the plate to the diaphysis with two 2.7mm x 18mm Provisional Fixation Pins (7117-3322)* with adequate spread between them. Place one 2.7mm x 40mm Provisional Fixation Pin (7117-3323)* in one of the distal holes above the joint. Alternatively, K-wires can be placed through distal holes in the plate to secure the plate and provisionally reduce the articular surface. Proceed with definitive fixation.



*Alternatively, Drill Guide Provisional Fixation Pins may be used through 2.7mm Locking Drill Guides

3.5mm Anterolateral Distal Tibia Locking Plate

Plate selection

Following fracture reduction, select the Anterolateral Distal Tibia Locking Plate that best accommodates patient anatomy and fracture pattern. There are two sizes of Anterolateral Distal Tibia Plates. The small plate features three holes distally whereas the large plate features four. An appropriate plate size (small vs large) should be used based on fracture reduction, articular injury, and soft tissue over the plate. In general, a longer plate allows for better mechanical advantage over a shorter plate. An allowance for five screw holes above the most proximal aspect of the fracture is recommended when selecting a plate length.



Note The PERI-LOC® Ti 3.5mm Anterolateral Distal Tibia Locking Plate Preoperative Template (7118-1638) is available to assist with preoperative radiographic planning. Additionally, there are left and right Small Anterolateral Distal Tibia Titanium Templates (7117-0525, 7117-0526) located in the PERI-LOC Ti Template Tray to assist with intraoperative plate selection.

Plate Positioning

Insert the plate and position it to the anterolateral distal tibia. Reduce the fracture manually and confirm coronal and sagittal alignment as well as plate position on the shaft.

Note The Anterolateral Distal Tibia Plate features periarticular recesses for placement of independent lag screws to assist with joint surface reduction.

Provisionally fix the plate to the diaphysis with two 2.7mm x 18mm Provisional Fixation Pins (7117-3322)* with adequate spread between them. Place one 2.7mm x 40mm Provisional Fixation Pin (7117-3323)* in one of the distal holes above the joint. Proceed with definitive fixation.

*Alternatively, Drill Guide Provisional Fixation Pins may be used through 2.7mm Locking Drill Guides

Screw insertion

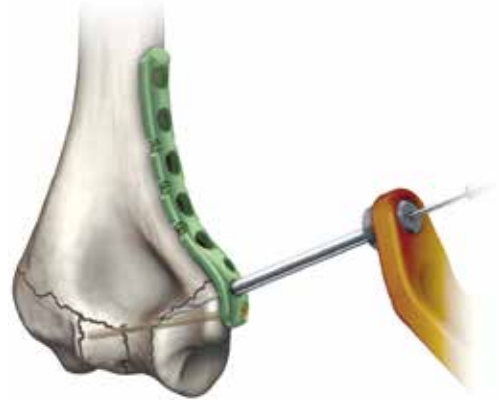
The choice of screws, and the order and configuration, is a decision to be made by the individual surgeon depending on the patient's circumstances and needs. Smith & Nephew does not recommend any particular screw insertion order or configuration of the various types of screws available in the system.

2.7mm Cortex Screw

2.7mm Self-Tapping Cortex Screws are available in the small fragment system and may be used outside the plate to assist with articular reduction. In addition, the distal humerus plates and olecranon plate feature specific 2.7mm screw holes.

Drill (inserting a screw through a plate)

Attach the 2.0mm Neutral Locking Hole Insert (7117-3453)* to the Short Drill Guide Handle (7117-3628). Drill to the desired depth using the 2.0mm Drill Bit (7117-3501).



Countersink (optional)

If using a 2.7mm Cortex Screw outside the plate, countersinking the head will reduce implant profile. Prepare the bone surface by placing the Small Fragment Countersink (7117-3344) into the predrilled hole and turn to the right. Do not countersink on power. This should be performed manually using the Small T-handle (7117-3542).



Measure

Measure for screw length by reading the exposed calibrations off the drill bit or by using the 2.7mm Depth Gauge (7117-3525).

Screw insertion

Insert the appropriate length 2.7mm Cortex Screw using the T15 Self Retaining Screwdriver (7117-3614). This should be done manually using the Tear Drop Screwdriver Handle (7117-3543).



*When inserting a 2.7mm Cortex Screw outside of a plate, the 2.0mm Wire/Drill Insert (7117-3517) should be used instead of the 2.0mm Neutral Locking Hole Insert.

2.7mm Locking Screw

There are two techniques that can be used to insert 2.7mm Locking Screws. If using the percutaneous technique, the 2.7mm Locking Screw Guide (7117-3452) with the 2.0mm Locking Drill Guide Insert (7117-3449) will provide a channel through the soft tissue to insert screws. This option also provides a screw guide to ensure correct screw trajectory in osteopenic bone. However, this two piece assembly drill guide may be substituted with the 2.0mm Locking Drill Guide (7117-3448). This is a one piece drill guide and may be found easier to thread into the locking holes located on highly contoured areas of the plate.

Using the 2.7mm Locking Screw Guide with the 2.0mm Locking Drill Guide Insert

Note This option may only be used with screws longer than 24mm. If the screw is 24mm or shorter, the screw may not be inserted through the 2.7mm Locking Screw Guide. It is recommended that the longest screw lengths possible be used when securing the articular surface.

Drill

Thread the 2.7mm Locking Screw Guide (7117-3452) with the 2.0mm Locking Drill Guide Insert (7117-3449) into the threaded hole. Drill to the desired depth using the 2.0mm Drill Bit (7117-3501).

Measure

Measure for screw length by reading the exposed calibrations off the drill bit. If the measurement is longer than 24mm proceed with the described technique. If the measurement is 24mm or shorter, remove the 2.7mm Locking Screw Guide and insert the screw without the guide.

Screw insertion

Remove the 2.0mm Locking Drill Guide Insert. Insert the appropriate length 2.7mm Locking Screw through the 2.7mm Locking Screw Guide using the T15 Self Retaining Screwdriver (7117-3614) to a depth where the top of the screw guide is in between the two black lines on the screw driver shaft. Remove the 2.7mm Locking Screw Guide and proceed with final seating of the screw. This should be performed manually using the Tear Drop Screwdriver Handle (7117-3543).

Using the 2.0mm Locking Drill Guide**Drill**

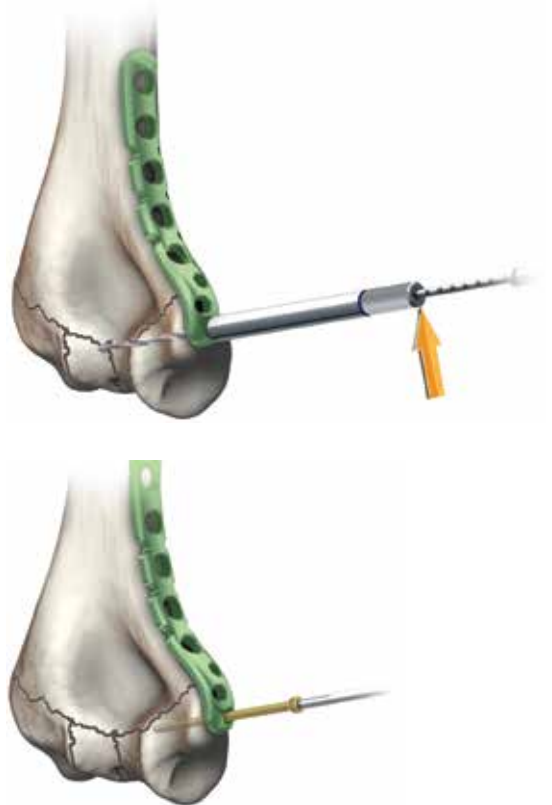
Thread the 2.0mm Locking Drill Guide (7117-3448) into the desired 2.7mm Locking Screw hole. Drill through the guide to the desired depth using the 2.0mm Drill Bit (7117-3501).

Measure

Measure for screw length by reading the exposed calibrations off the drill bit or by removing the locking drill guide and using the 2.7mm Depth Gauge (7117-3525).

Screw Insertion

Remove the 2.0mm Locking Drill Guide and insert the appropriate length 2.7mm Locking Screw using the T15 Self Retaining Screwdriver (7117-3614). This should be performed manually using the Tear Drop Screwdriver Handle (7117-3543).



3.5mm Cortex Screw

3.5mm Cortex Screws may be used in either Neutral or Compression mode. Neutral mode will place the screw directly in the center of the screw hole and is ideal when axial compression is not desired. Compression mode will place the screw eccentrically in the screw hole and allow the screw head to travel down the ramped hole so that axial compression is achieved during final seating. Each screw hole allows for 1mm of axial compression. If desired, distraction or translation can also be achieved using this technique.

Neutral mode

Drill

Attach the 2.7mm Neutral Locking Hole Insert (7117-3514) to the Short Drill Guide Handle (7117-3628). Drill to the desired depth using the 2.7mm Drill Bit (7117-3503).

Measure

Measure for screw length by reading the exposed calibrations off the drill bit or by using the 3.5mm Depth Gauge (7117-3534).



Screw insertion

Insert the appropriate length 3.5mm Cortex Screw using the T20 Self Retaining Screwdriver (7117-3592). This should be done manually using the Large Screwdriver Handle (7117-3547).



Compression mode

Achieve definitive fixation of one side of the fracture with either cortex screws or locking screws. On the opposite side of the fracture, choose a 3.5mm screw hole and use the following technique to gain axial compression.

Drill

Attach the 2.7mm Compression Locking Hole Insert (7117-3515) to the Short Drill Guide Handle (7117-3628). Position the locking hole insert into the desired hole with the arrow pointing towards the fracture line. Drill to the desired depth using the 2.7mm Drill Bit (7117-3503).

Measure

Measure for screw length by reading the exposed calibrations off the drill bit or by using the 3.5mm Depth Gauge (7117-3534).

Screw insertion

Insert the appropriate length 3.5mm Cortex Screw using the T20 Self Retaining Screwdriver (7117-3592). This should be done manually using the Large Screwdriver Handle (7117-3547). One millimeter of axial compression is achieved as the screw head travels down the ramped hole during final seating.

Note If further axial compression is desired, repeat the technique in another screw hole on the same side of the fracture. However, you must back out the first cortex screw just before final seating of the new cortex screw. The screw that is backed out can be re-inserted once the second compression screw is secured.

3.5mm Locking Screw

There are two techniques that can be used to insert 3.5mm Locking Screws. If using percutaneous technique, the 3.5mm Locking Screw Guide (7117-3538) with the 2.7mm Locking Drill Guide Insert (7117-3529) will provide a channel through the soft tissue to insert screws. This option also provides a screw guide to ensure correct screw trajectory in osteopenic bone. However, this two piece assembly drill guide may be substituted with the 2.7mm Locking Drill Guide (7117-3450). This is a one piece drill guide and may be found easier to thread into the locking holes located on highly contoured areas of the plate.

Using the 3.5mm Locking Screw Guide with the 2.7mm Locking Drill Guide Insert

Note This option may only be used with screws longer than 24mm. If the screw is 24mm or shorter, the screw may not be inserted through the 3.5mm Locking Screw Guide.

Drill

Thread the 3.5mm Locking Screw Guide (7117-3538) with the 2.7mm Locking Drill Guide Insert (7117-3529) into the threaded hole. Drill to the desired depth using the 2.7mm Drill Bit (7117-3503).

Measure

Measure for screw length by reading the exposed calibrations off the drill bit or by removing the 2.7mm Locking Drill Guide Insert and using the 3.5mm Screw Depth Gauge for Guide (7117-0810) through the 3.5mm Locking Screw Guide. If measurement is longer than 24mm proceed with the described technique. If the measurement is 24mm or shorter, remove the 3.5mm Locking Screw Guide and insert the screw without the guide.



Screw insertion

Remove the 2.7mm Locking Drill Guide Insert. Insert the appropriate length 3.5mm Locking Screw through the 3.5mm Locking Screw Guide using the T20 Self Retaining Screwdriver (7117-3592) to a depth where the top of the screw guide is in between the two black lines on the screwdriver shaft. Remove the 3.5mm Locking Screw Guide, and proceed with final seating of the screw. Final seating should be performed using the 2.0Nm Torque Limiter Power Adapter (7117-3622).

**Using the 2.7mm Locking Drill Guide****Drill**

Thread the 2.7mm Locking Drill Guide (7117-450) into the desired 3.5mm locking screw hole. Drill through the guide to the desired depth using the 2.7mm Drill Bit (7117-3503).

Measure

Measure for screw length by reading the exposed calibrations off the drill bit or by removing the locking drill guide and using the 3.5mm Depth Gauge (7117-3534).

Screw Insertion

Remove the 2.7mm Locking Drill Guide and insert the appropriate length 3.5mm Locking Screw using the T20 Self Retaining Screwdriver (7117-3592). Final seating should be performed using the 2.0Nm Torque Limiter Power Adapter (7117-3622).

4.0mm Cancellous Screw

Drill

Attach the 2.7mm Drill Guide Insert (7117-3510) to the Short Drill Guide Handle (7117-3628). Drill to the desired depth using the 2.7mm Drill Bit (7117-3503).

Countersink (optional)

If using a 4.0mm Cancellous Screw outside the plate, countersinking the head will reduce implant profile. Prepare the bone surface by placing the Small Fragment Countersink (7117-3344) into the predrilled hole and turn to the right. Do not countersink on power. This should be performed manually using the Small T-handle (7117-3542).

Measure

Measure for screw length by using the 3.5mm Depth Gauge (7117-3534).

Tap (optional)

In areas of increased bone density, it may be beneficial to tap prior to screw insertion. Tap by using the 4.0mm Cancellous Tap (7117-3386) located in the PERI-LOC® Ti Ancillary Instrument Tray. This should be performed manually using the Small T-handle (7117-3542).

Screw insertion

Insert the appropriate length 4.0mm Cancellous Screw using the T20 Self Retaining Screwdriver (7117-3592). This should be performed manually using the Large Screwdriver Handle (7117-3547).



Catalog information – Implants

PERI-LOC® Ti Proximal Humerus Plate Set

Set No. 7186-1001

Cat. No.	Description	Set Qty
7186-1303	3 Hole, 89mm, Right	1
7186-1305	5 Hole, 115mm, Right	1
7186-1403	3 Hole, 88mm, Left	1
7186-1405	5 Hole, 115mm, Left	1



PERI-LOC Ti Locking Elbow Plate Set

Set No. 7186-0000

Medial Distal Humerus Locking Plate

Cat. No.	Description	Set Qty
7186-1905	5 Hole, 79mm, Left	1
7186-1907	7 Hole, 103mm, Left	1
7186-1909	9 Hole, 127mm, Left	1
7186-1911	11 Hole, 151mm, Left	1
7186-1805	5 Hole, 79mm, Right	1
7186-1807	7 Hole, 103mm, Right	1
7186-1809	9 Hole, 127mm, Right	1
7186-1811	11 Hole, 151mm, Right	1



Lateral Distal Humerus Locking Plate

Cat. No.	Description	Set Qty
7186-2405	5 Hole, 77mm, Left	1
7186-2407	7 Hole, 102mm, Left	1
7186-2409	9 Hole, 128mm, Left	1
7186-2411	11 Hole, 153mm, Left	1
7186-2505	5 Hole, 77mm, Right	1
7186-2507	7 Hole, 102mm, Right	1
7186-2509	9 Hole, 128mm, Right	1
7186-2511	11 Hole, 153mm, Right	1



Catalog information – Implants

PERI-LOC® Ti Locking Elbow Plate Set (continued)

Posterolateral Distal Humerus Locking Plate

Cat. No.	Description	Set Qty
7186-2605	5 Hole, 80mm, Left	1
7186-2607	7 Hole, 107mm, Left	1
7186-2609	9 Hole, 132mm, Left	1
7186-2705	5 Hole, 80mm, Right	1
7186-2707	7 Hole, 107mm, Right	1
7186-2709	9 Hole, 132mm, Right	1



Olecranon Locking Plate

Cat. No.	Description	Set Qty
7186-2904	4 Hole, 56mm, Left	1
7186-2906	6 Hole, 81mm, Left	1
7186-2908	8 Hole, 107mm, Left	1
7186-3904	4 Hole, 56mm, Right	1
7186-3906	6 Hole, 81mm, Right	1
7186-3908	8 Hole, 107mm, Right	1



PERI-LOC® Ti Proximal Tibia Plate Set

Set No. 7186-0002

3.5mm Lateral Proximal Tibia Locking Plate

Cat. No.	Description	Set Qty
7186-0404	4 Hole, 73mm, Left	1
7186-0406	6 Hole, 98mm, Left	1
7186-0408	8 Hole, 123mm, Left	1
7186-0410	10 Hole, 149mm, Left	1
7186-0413	13 Hole, 187mm, Left	0
7186-0504	4 Hole, 73mm, Right	1
7186-0506	6 Hole, 98mm, Right	1
7186-0508	8 Hole, 123mm, Right	1
7186-0510	10 Hole, 149mm, Right	1
7186-0513	13 Hole, 187mm, Right	0



3.5mm Lateral Tibia Buttress Locking Plate

Cat. No.	Description	Set Qty
7186-6204	4 Hole, 73mm, Left	1
7186-6206	6 Hole, 98mm, Left	1
7186-6208	8 Hole, 123mm, Left	1
7186-6210	10 Hole, 149mm, Left	1
7186-6213	13 Hole, 187mm, Left	0
7186-7204	4 Hole, 73mm, Right	1
7186-7206	6 Hole, 98mm, Right	1
7186-7208	8 Hole, 123mm, Right	1
7186-7210	10 Hole, 149mm, Right	1
7186-7213	13 Hole, 187mm, Right	0



Catalog information – Implants

PERI-LOC® Ti Distal Tibia Plate Set

Set No. 7186-0001

Anterolateral Distal Tibia Locking Plate

Cat. No.	Description	Set Qty
7186-0604	4 Hole, 72mm, Left	1
7186-0606	6 Hole, 98mm, Left	1
7186-0608	8 Hole, 123mm, Left	1
7186-0610	10 Hole, 148mm, Left	1
7186-0613	13 Hole, 186mm, Left	1
7186-0704	4 Hole, 72mm, Right	1
7186-0706	6 Hole, 98mm, Right	1
7186-0708	8 Hole, 123mm, Right	1
7186-0710	10 Hole, 148mm, Right	1
7186-0713	13 Hole, 186mm, Right	1
7186-0804	4 Hole-Small, 72mm, Left	1
7186-0806	6 Hole-Small, 98mm, Left	1
7186-0808	8 Hole-Small, 123mm, Left	1
7186-0810	10 Hole-Small, 148mm, Left	1
7186-0813	13 Hole-Small, 186mm, Left	1
7186-0904	4 Hole-Small, 72mm, Right	1
7186-0906	6 Hole-Small, 98mm, Right	1
7186-0908	8 Hole-Small, 123mm, Right	1
7186-0910	10 Hole-Small, 148mm, Right	1
7186-0913	13 Hole-Small, 186mm, Right	1



Medial Distal Tibia Locking Plate

Cat. No.	Description	Set Qty
7186-1006	6 Hole, 134mm, Left	1
7186-1008	8 Hole, 160mm, Left	1
7186-1010	10 Hole, 185mm, Left	1
7186-1013	13 Hole, 223mm, Left	1
7186-1106	6 Hole, 134mm, Right	1
7186-1108	8 Hole, 160mm, Right	1
7186-1110	10 Hole, 185mm, Right	1
7186-1113	13 Hole, 223mm, Right	1



PERI-LOC® Ti Small Fragment Straight Plate Set

Set No. 7186-1000

3.5mm Locking Reconstruction Plates

Cat. No.	Description	Set Qty
7186-2604	4 Hole, 46mm	1
7186-2606	6 Hole, 70mm	1
7186-2608	8 Hole, 94mm	1
7186-2610	10 Hole, 118mm	1
7186-2612	12 Hole, 142mm	1
7186-2614	14 Hole, 166mm	1



3.5mm Locking Tubular Plates

Cat. No.	Description	Set Qty
7186-9004	4 Hole, 57mm	1
7186-9006	6 Hole, 82mm	1
7186-9008	8 Hole, 107mm	1
7186-9010	10 Hole, 133mm	1
7186-9012	12 Hole, 158mm	1



3.5mm Locking Compression Plates

Cat. No.	Description	Set Qty
7186-9704	4 Hole, 67mm	1
7186-9706	6 Hole, 96mm	1
7186-9708	8 Hole, 125mm	1
7186-9710	10 Hole, 154mm	1
7186-9712	12 Hole, 183mm	1
7186-9714	14 Hole, 214mm	1



Catalog information – Implants

PERI-LOC® Ti Small Fragment Template Set

Set No. 7117-0500

Cat. No.	Description	Tray Qty
7117-0496	Lateral Tibia Buttress Template, Right	1
7117-0497	Lateral Tibia Buttress Template, Left	1
7117-0511	Olecranon Template, Left	1
7117-0512	Olecranon Template, Right	1
7117-0513	Lateral Distal Humerus Template, Left	1
7117-0514	Lateral Distal Humerus Template, Right	1
7117-0515	Posterolateral Distal Humerus Template, Left	1
7117-0516	Posterolateral Distal Humerus Template, Right	1
7117-0517	Medial Distal Humerus Template, Left	1
7117-0518	Medial Distal Humerus Template, Right	1
7117-0519	Proximal Humerus Template, Left	1
7117-0520	Proximal Humerus Template, Right	1
7117-0521	Medial Distal Tibia Template, Left	1
7117-0522	Medial Distal Tibia Template, Right	1
7117-0525	Anterolateral Distal Tibia Small Template, Left	1
7117-0526	Anterolateral Distal Tibia Small Template, Right	1
7117-0527	3.5mm Lateral Proximal Tibia Template, Left	1
7117-0528	3.5mm Lateral Proximal Tibia Template, Right	1

PERI-LOC Ti Small Fragment Screw Set

Set No. 7117-4000

2.7mm T15 Locking Screws, Self-Tapping



Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty
7186-2310	10mm	2	7186-2322	22mm	2	7186-2334	34mm	2
7186-2312	12mm	2	7186-2324	24mm	2	7186-2336	36mm	2
7186-2314	14mm	2	7186-2326	26mm	2	7186-2338	38mm	2
7186-2316	16mm	2	7186-2328	28mm	2	7186-2340	40mm	2
7186-2318	18mm	2	7186-2330	30mm	2	7186-2345	45mm	2
7186-2320	20mm	2	7186-2332	32mm	2	7186-2350	50mm	2

2.7mm T15 Cortex Screws, Self-Tapping



Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty
7186-3010	10mm	2	7186-3022	22mm	2	7186-3034	34mm	2
7186-3012	12mm	2	7186-3024	24mm	2	7186-3036	36mm	2
7186-3014	14mm	2	7186-3026	26mm	2	7186-3038	38mm	2
7186-3016	16mm	2	7186-3028	28mm	2	7186-3040	40mm	2
7186-3018	18mm	2	7186-3030	30mm	2	7186-3045	45mm	2
7186-3020	20mm	2	7186-3032	32mm	2	7186-3050	50mm	2

PERI-LOC® Ti Small Fragment Screw Set (continued)

3.5mm T20 Cortex Screws, Self-Tapping



Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty
7186-4010	10mm	3	7186-4026	26mm	4	7186-4045	45mm	2
7186-4012	12mm	3	7186-4028	28mm	4	7186-4050	50mm	2
7186-4014	14mm	4	7186-4030	30mm	4	7186-4055	55mm	2
7186-4016	16mm	4	7186-4032	32mm	3	7186-4060	60mm	2
7186-4018	18mm	4	7186-4034	34mm	3	7186-4065	65mm	1
7186-4020	20mm	4	7186-4036	36mm	3	7186-4070	70mm	1
7186-4022	22mm	4	7186-4038	38mm	3	7186-4075	75mm	1
7186-4024	24mm	4	7186-4040	40mm	3	7186-4080	80mm	1

3.5mm T20 Locking Screws, Self-Tapping



Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty
7186-5010	10mm	3	7186-5026	26mm	3	7186-5045	45mm	2
7186-5012	12mm	3	7186-5028	28mm	3	7186-5050	50mm	2
7186-5014	14mm	3	7186-5030	30mm	3	7186-5055	55mm	2
7186-5016	16mm	3	7186-5032	32mm	3	7186-5060	60mm	2
7186-5018	18mm	3	7186-5034	34mm	3	7186-5065	65mm	2
7186-5020	20mm	3	7186-5036	36mm	3	7186-5070	70mm	2
7186-5022	22mm	3	7186-5038	38mm	3	7186-5075	75mm	2
7186-5024	24mm	3	7186-5040	40mm	3	7186-5080	80mm	2

4.0mm T20 Fully Threaded Cancellous Screws



Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty
7186-5210	10mm	1	7186-5226	26mm	2	7186-5245	45mm	1
7186-5212	12mm	1	7186-5228	28mm	2	7186-5250	50mm	1
7186-5214	14mm	1	7186-5230	30mm	2	7186-5255	55mm	1
7186-5216	16mm	1	7186-5232	32mm	2	7186-5260	60mm	1
7186-5218	18mm	1	7186-5234	34mm	2	7186-5265	65mm	1
7186-5220	20mm	2	7186-5236	36mm	2	7186-5270	70mm	1
7186-5222	22mm	2	7186-5238	38mm	2	7186-5275	75mm	1
7186-5224	24mm	2	7186-5240	40mm	2	7186-5280	80mm	1

4.0mm T20 Partially Threaded Cancellous Screws



Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty	Cat. No.	Description	Set Qty
7186-5310	10mm	1	7186-5324	24mm	2	7186-5350	50mm	2
7186-5312	12mm	1	7186-5326	26mm	2	7186-5355	55mm	2
7186-5314	14mm	1	7186-5328	28mm	2	7186-5360	60mm	2
7186-5316	16mm	1	7186-5330	30mm	2	7186-5365	65mm	2
7186-5318	18mm	1	7186-5335	35mm	2	7186-5370	70mm	2
7186-5320	20mm	2	7186-5340	40mm	2	7186-5375	75mm	1
7186-5322	22mm	2	7186-5345	45mm	2	7186-5380	80mm	1

Catalog information – Instruments

K-wires

Cat. No.	Description
7116-1012	1.25mm x 150mm
7116-1016	1.6mm x 150mm
7116-1020	2.0mm x 150mm



Sharp Hook

Cat. No. 7117-0043



Reduction Forceps, 205mm

Cat. No. 7117-0044



Hohmann Retractor, 8mm

Cat. No. 7117-0057



Wire Bending Pliers

Cat. No. 7117-0063



Hohmann Retractor, 15mm

Cat. No. 7117-0095



Periosteal Elevator

Cat. No. 7117-0097



Bending Pliers

Cat. No. 7117-0175



3.5mm Screw Depth Gauge for Drill Guide

Cat. No. 7117-0810



2.7mm Drill Guide Provisional Fixation Pins

Cat. No.	Description
7117-0811	18mm
7117-0812	40mm



Ball Spike Reductions Clamps

Cat. No.	Description
7117-1212	Small
7117-1213	Large



Spiked Washers

Cat. No.	Description
7117-1220	15mm
7117-1221	25mm



3.5mm Tap with Quick Connect

Cat. No. 7117-3318



2.7mm Provisional Fixation Pins

Cat. No.	Description
7117-3322	18mm
7117-3323	40mm



Small Fragment Countersink

Cat. No. 7117-3344



2.7mm Tap with Quick Connect

Cat. No. 7117-3366



Hohmann Retractor, Bent, 8mm

Cat. No. 7117-3369



Reduction Forceps with Ratchet, Bowed, 205mm

Cat. No. 7117-3370



Reduction Forceps with Points, Broad

Cat. No. 7117-3377



Reduction Forceps with Serrated Jaws

Cat. No. 7117-3378



Catalog information – Instruments

4.0mm Cancellous Tap with Quick Connect
Cat. No. 7117-3386



2.0mm Locking Drill Guide
Cat. No. 7117-3448



2.0mm Locking Drill Guide Insert
Cat. No. 7117-3449



2.7mm Locking Drill Guide
Cat. No. 7117-3450



2.7mm Locking Screw Guide
Cat. No. 7117-3452



2.0mm Neutral Locking Hole Insert
Cat. No. 7117-3453



2.7mm Screw Guide Remover
Cat. No. 7117-3455



Drills with Quick Connect

Cat. No.	Description
7117-3501	2.0mm
7117-3502	2.7mm Short
7117-3503	2.7mm
7117-3624	3.5mm, 90mm length



6.5mm Cancellous Tap with Quick Connect
Cat. No. 7117-3509



2.7mm Drill Guide Insert
Cat. No. 7117-3510



3.5mm Drill Guide Insert
Cat. No. 7117-3513



2.7mm Neutral Locking Hole Insert
Cat. No. 7117-3514



2.7mm Compression Locking Hole Insert
Cat. No. 7117-3515



2.0mm Parallel Wire/Drill Guide

Cat. No. 7117-3516



2.0mm Wire/Drill Insert

Cat. No. 7117-3517



2.7mm Screw Depth Gauge

Cat. No. 7117-3525



Cannulated Bending Iron for K-wires

Cat. No. 7117-3527



Cannulated AO to Trinkle Adaptor

Cat. No. 7117-3528



2.7mm Locking Drill Guide Insert

Cat. No. 7117-3529



3.5mm Screw Depth Gauge

Cat. No. 7117-3534



2.5mm Hexdriver, 178mm

Cat. No. 7117-3535



3.5mm Hexdriver, 178mm

Cat. No. 7117-3537



3.5mm Locking Screw Guide

Cat. No. 7117-3538



Small T-handle

Cat. No. 7117-3542



Tear Drop Screwdriver Handle

Cat. No. 7117-3543



Reverse Verbrugge, 190mm

Cat. No. 7117-3544



Large Screwdriver Handle

Cat. No. 7117-3547



Small Fragment Screw Guide Remover

Cat. No. 7117-3549



Catalog information – Instruments

T20 Self-Retaining Screwdriver Shaft, 120mm

Cat. No. 7117-3592



T15 Self-Retaining Screwdriver Shaft, 120mm

Cat. No. 7117-3614



2.0Nm Torque Limiter Adapter

Cat. No. 7117-3622



Short Drill Guide Handle

Cat. No. 7117-3628

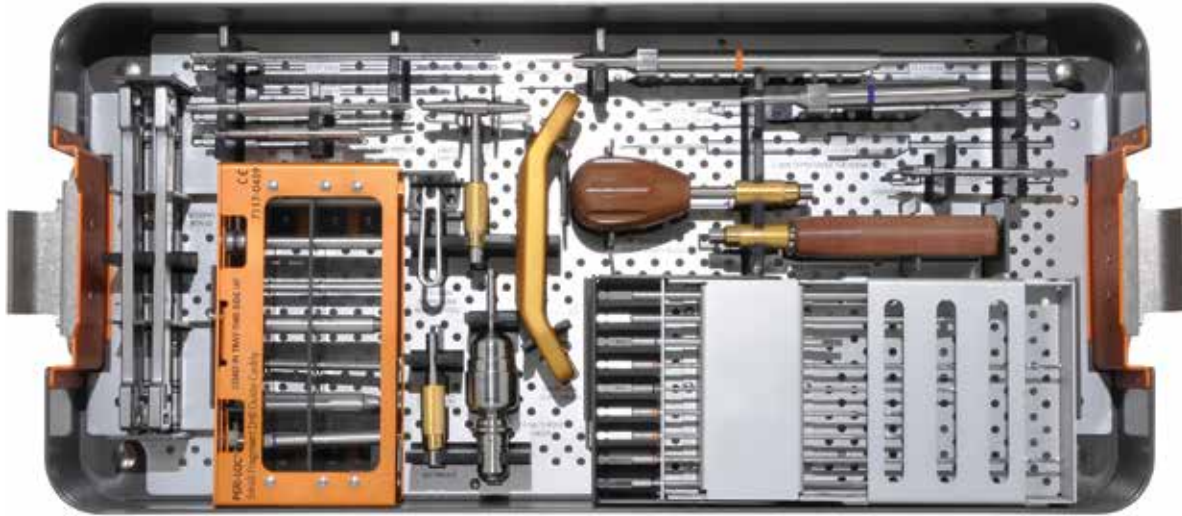


Small Fragment Bending Iron

Cat. No. 7117-3636



Catalog information – Trays

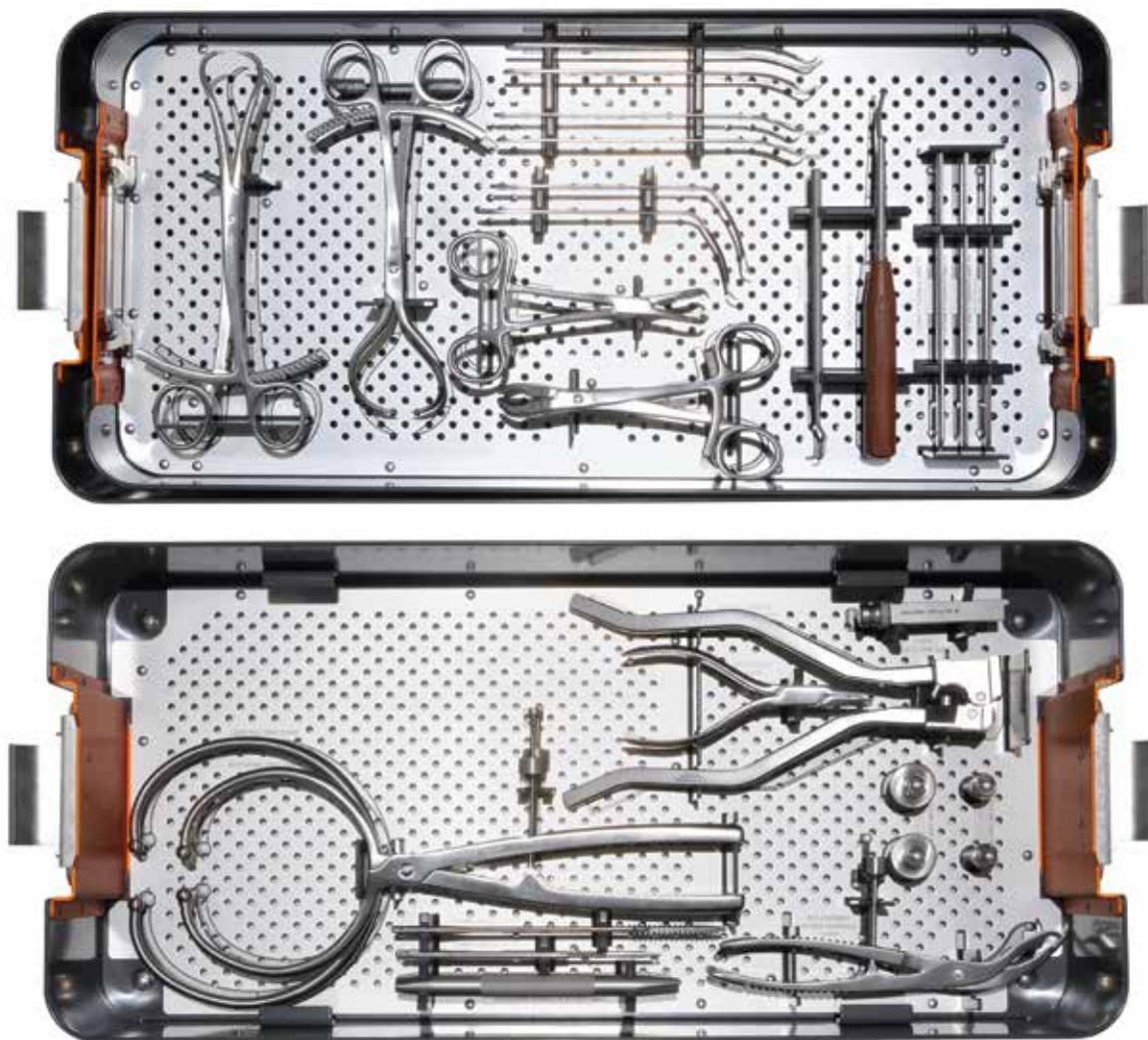


PERI-LOC° Ti Small Fragment Instrument Set

Set No. 7117-3500

Cat. No.	Description	Tray Qty	Cat. No.	Description	Tray Qty
7117-0810	3.5mm Screw Depth Gauge for Drill Guide	1	7117-3516	2.0mm Parallel Wire/Drill Guide	1
7117-0811	2.7mm Drill Guide Provisional Fixation Pin, 18mm	2	7117-3517	2.0mm Wire/Drill Insert	1
7117-0812	2.7mm Drill Guide Provisional Fixation Pin, 40mm	2	7117-3525	2.7mm Screw Depth Gauge	1
7117-3318	3.5mm Tap with Quick Connect	1	7117-3528	Cannulated AO to Trinkle Adaptor	1
7117-3322	2.7mm Provisional Fixation Pin, 18mm	2	7117-3529	2.7mm Locking Drill Guide Insert	2
7117-3323	2.7mm Provisional Fixation Pin, 40mm	2	7117-3534	3.5mm Screw Depth Gauge	1
7117-3344	Small Fragment Countersink	1	7117-3535	2.5mm Hexdriver, 178mm	1
7117-3366	2.7mm Tap with Quick Connect	1	7117-3537	3.5mm Hexdriver, 178mm	1
7117-3448	2.0mm Locking Drill Guide	2	7117-3538	3.5mm Locking Screw Guide	2
7117-3449	2.0mm Locking Drill Guide Insert	1	7117-3542	Small T-handle	1
7117-3450	2.7mm Locking Drill Guide	2	7117-3543	Tear Drop Screwdriver Handle	1
7117-3452	2.7mm Locking Screw Guide	1	7117-3547	Large Screwdriver Handle	1
7117-3453	2.0mm Neutral Locking Hole Insert	1	7117-3549	Small Fragment Screw Guide Remover	1
7117-3455	2.7mm Screw Guide Remover	1	7117-3592	T20 Self-Retaining Screwdriver Shaft, 120mm	2
7117-3501	2.0mm Drill with Quick Connect	2	7117-3614	T15 Self-Retaining Screwdriver Shaft, 120mm	2
7117-3502	2.7mm Short Drill with Quick Connect	2	7117-3622	2.0Nm Torque Limiter Adapter	1
7117-3503	2.7mm Drill with Quick Connect	3	7117-3624	3.5mm Drill, 90mm	2
7117-3510	2.7mm Drill Guide Insert	2	7117-3628	Short Drill Guide Handle	1
7117-3513	3.5mm Drill Guide Insert	2	7117-3636	Small Fragment Bending Iron	2
7117-3514	2.7mm Neutral Locking Hole Insert	1			
7117-3515	2.7mm Compression Locking Hole Insert	1			

Catalog information – Trays



PERI-LOC® Ti Ancillary Instrument Set

Set No. 7117-0010

Cat. No.	Description	Tray Qty	Cat. No.	Description	Tray Qty
7116-1012	K-wire 1.25mm x 150mm	6	7117-3369	Hohmann Retractor, Bent, 8mm	2
7116-1016	K-wire 1.6mm x 150mm	6	7117-3370	Reduction Forceps with Ratchet, Bowed, 205mm	1
7116-1020	K-wire 2.0mm x 150mm	6	7117-3377	Reduction Forceps with points, Broad	2
7117-0043	Sharp Hook	1	7117-3378	Reduction Forceps with Serrated Jaws	2
7117-0044	Reduction Forceps, 205mm	1	7117-3386	4.0mm Cancellous Tap with Quick Connect	1
7117-0057	Hohmann Retractor, 8mm	2	7117-3509	6.5mm Cancellous Tap with Quick Connect	1
7117-0063	Wire Bending Pliers	1	7117-3516	2.0mm Parallel Wire/Drill Guide	1
7117-0095	Hohmann Retractor, 15mm	2	7117-3527	Cannulated Bending Iron for K-wires	1
7117-0097	Periosteal Elevator	1	7117-3544	Reverse Verbrugge, 190mm	1
7117-0175	Bending Pliers	1			
7117-1212	Ball Spike Reductions Clamp, Small	1			
7117-1213	Ball Spike Reductions Clamp, Large	1			
7117-1220	Spiked Washer, 15mm	2			
7117-1221	Spiked Washer, 25mm	2			

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