

Targeter System for 4.5mm Distal Femur Locking Plate



PERI-LOC[®] Periarticular Locked Plating System

Targeter System for 4.5mm Distal Femur Locking Plate Surgical Technique

Contents

| | |
|---|----|
| Product Overview | 2 |
| Indications | 2 |
| Design Features | 3 |
| Patient Positioning | 5 |
| Incision | 5 |
| Surgical Technique | |
| Plate Selection | 7 |
| Articular Reduction and Provisional Fixation..... | 8 |
| Plate Positioning | 9 |
| Screw Insertion | 13 |
| Catalog Information | 17 |

Nota Bene

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

Product Overview

The PERI-LOC® Periarticular Locked Plating System from Smith & Nephew offers the advantages of locked plating with the flexibility and benefits of traditional plating in one system. Utilizing both locking and non-locking screws, PERI-LOC offers a construct that resists angular (e.g. varus/valgus) collapse while simultaneously acting as an effective aid to fracture reduction. A simple and straightforward instrument set features one screwdriver, standardized drill bits, and color-coded instrumentation, making PERI-LOC efficient and easy to use.

All PERI-LOC implants are manufactured using the highest quality 316L stainless steel for strength and durability.

The anatomical bow and precontour of the 4.5mm Distal Femur Locking Plate provides an excellent fit against the surface of the bone.

Condylar scallops on the distal end of the plate allow easy placement of lag screws outside the plate for fixation of articular fractures.

Each screw hole will accept one of four different screws allowing you to customize the screw configuration depending on the individual needs of the fracture.

- 4.5mm Self-Tapping Cortex Screw (Non-Locking)
- 4.5mm Locking Self-Tapping Cortex Screws
- 5.7mm Cannulated Locking Screw
- 6.5mm Partially Threaded Cancellous Screw

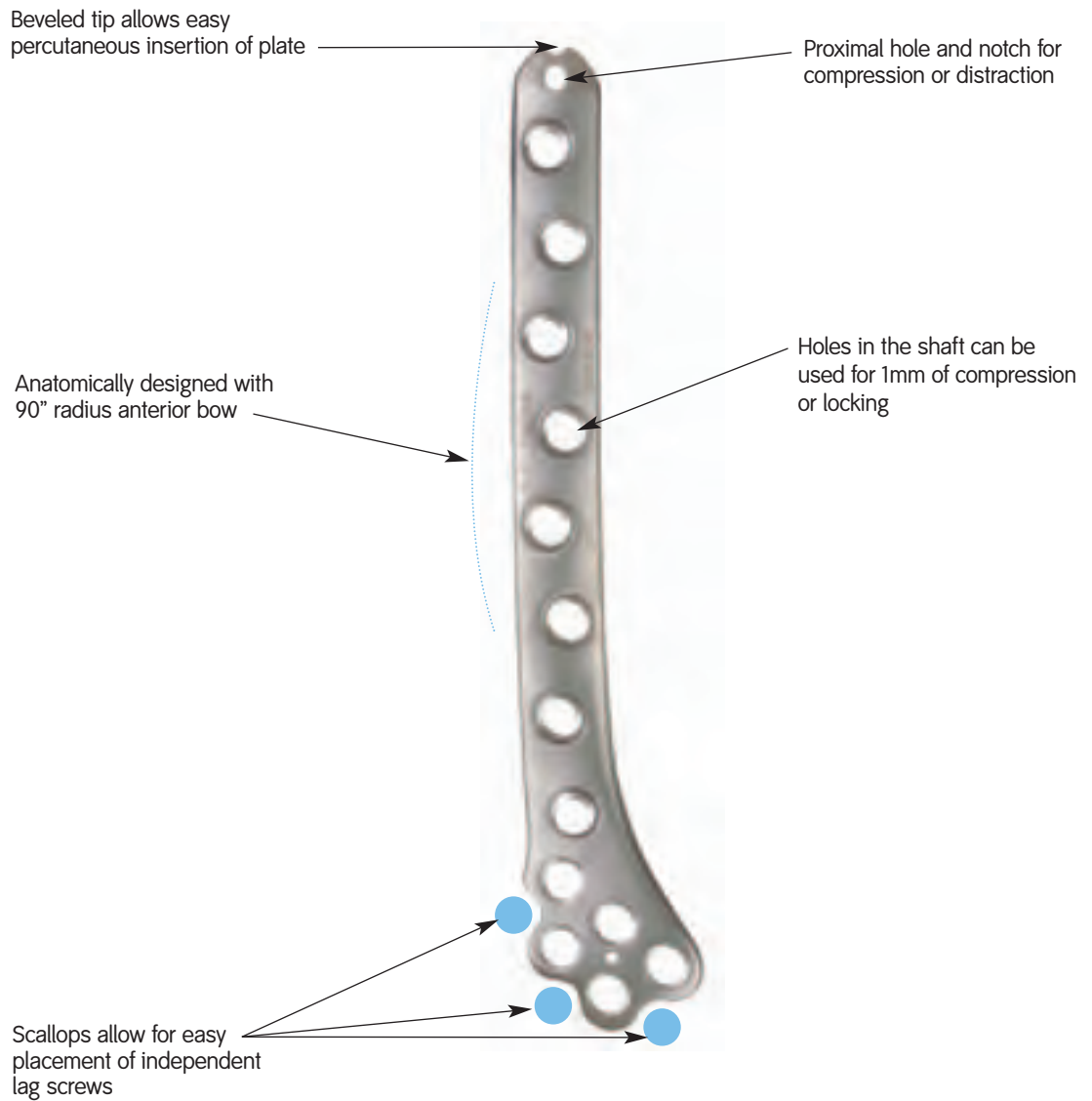


Indications

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

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

Plate Design Features



Each of the holes can accept one of four different screws:



4.5mm Self-Tapping Cortex Screw (Non-Locking)
Cat. No. 7182-60XX



4.5mm Locking Self-Tapping Cortex Screw
Cat. No. 7182-70XX



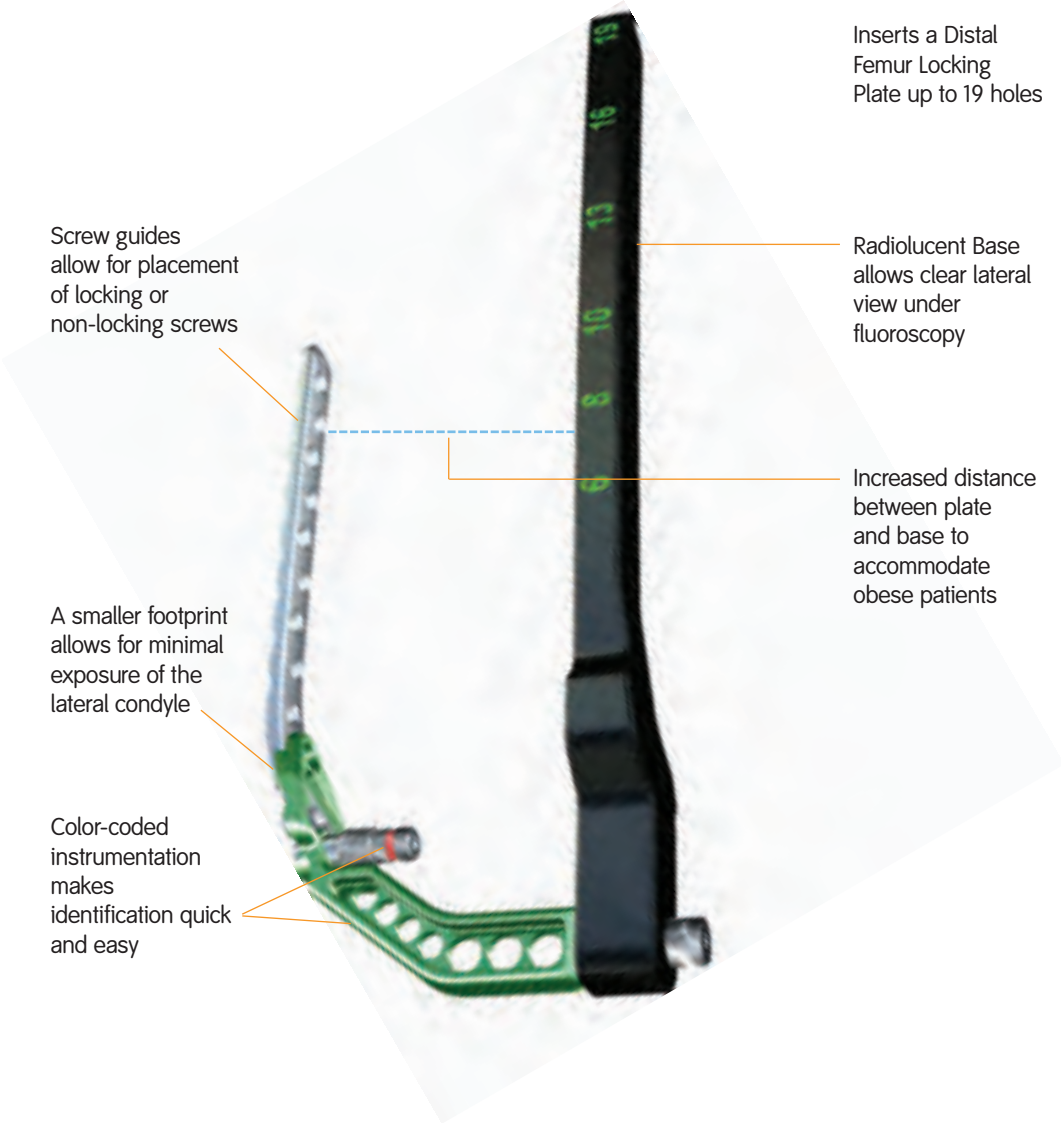
5.7mm Cannulated Locking Screw
Cat. No. 7182-80XX



6.5mm Partially Threaded Cancellous Screw
Cat. No. 7182-81XX

All screws use 3.5mm Hexdriver.

Targeter Design Features



Screw guides allow for placement of locking or non-locking screws

A smaller footprint allows for minimal exposure of the lateral condyle

Color-coded instrumentation makes identification quick and easy

Inserts a Distal Femur Locking Plate up to 19 holes

Radiolucent Base allows clear lateral view under fluoroscopy

Increased distance between plate and base to accommodate obese patients

Patient Positioning

Place the patient in a supine position on a radiolucent table. A small bump can be used under the ipsilateral hip. The entire leg and lateral hip region should be prepped and draped to allow proximal extension of the surgical exposure if necessary. A sterile tourniquet can be used, especially for distal fractures. Confirm that an unhindered lateral and AP view under fluoroscopy can be obtained.

Obtain gross metaphyseal alignment using manual traction or skeletal distraction.

Incision

The incision illustrated below is indicated for the following fractures:



Articular simple, metaphyseal simple (33-C1) (optional)

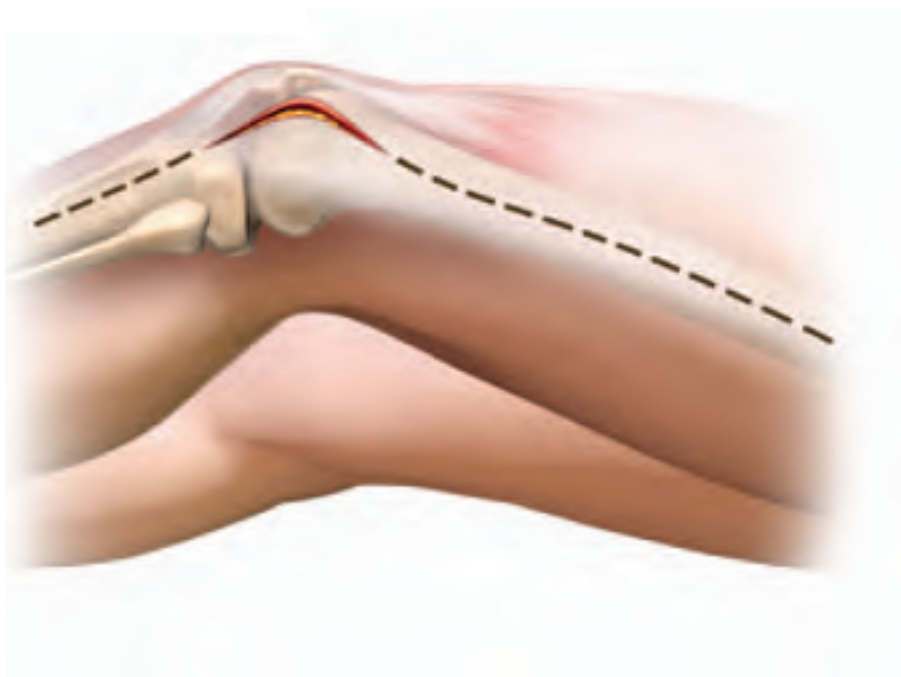


Articular simple, metaphyseal multifragmentary (33-C2)

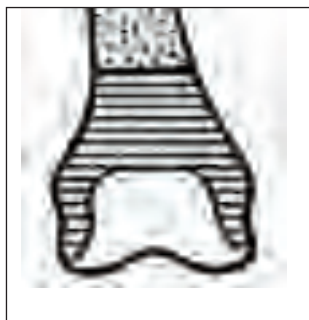


Multifragmentary articular fracture (33-C3)

OTA Fracture Classification courtesy of the Orthopaedic Trauma Association. For more information go to www.ota.org



The incision illustrated below is indicated for the following fractures:



Extra articular (33-A)



Partial articular (33-B)



Articular simple, metaphyseal simple (33-C1) (optional)

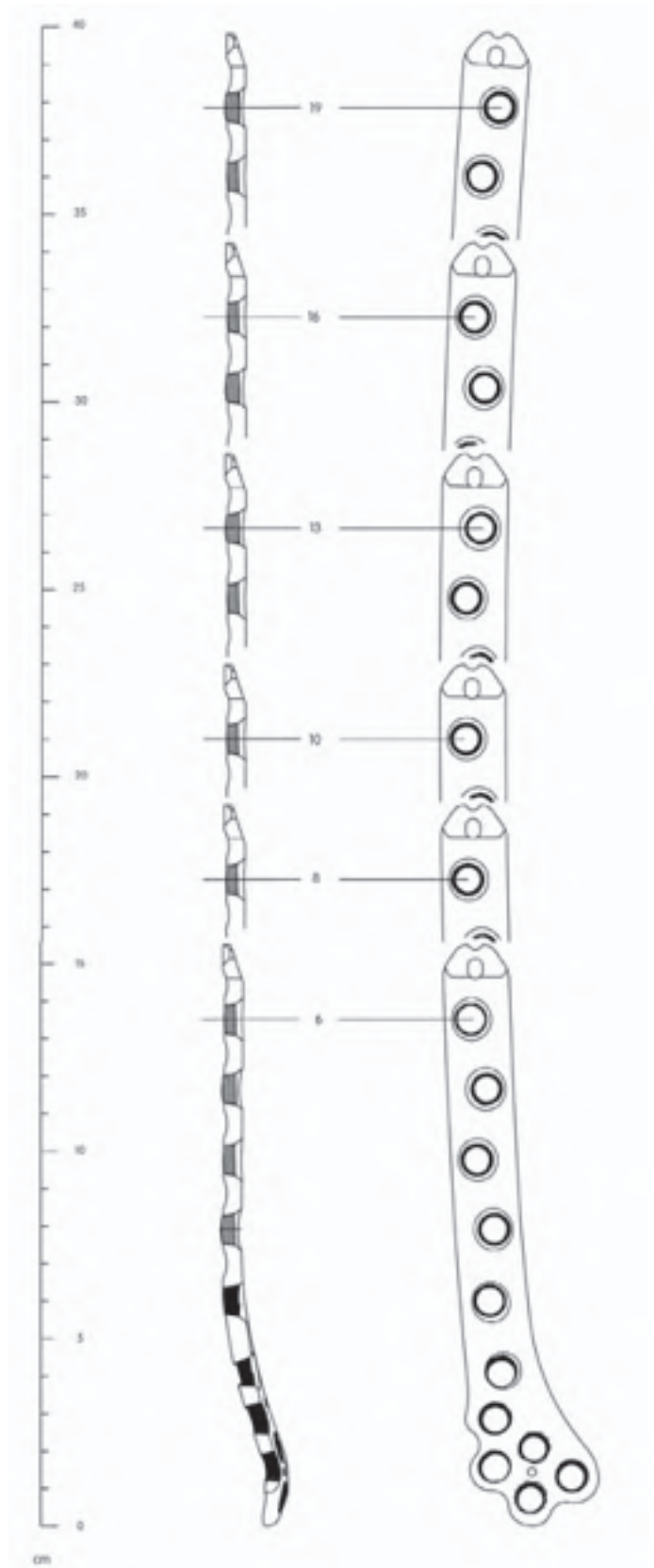
OTA Fracture Classification courtesy of the Orthopaedic Trauma Association. For more information go to www.ota.org



4.5mm Distal Femur Locking Plate Surgical Technique

Plate Selection

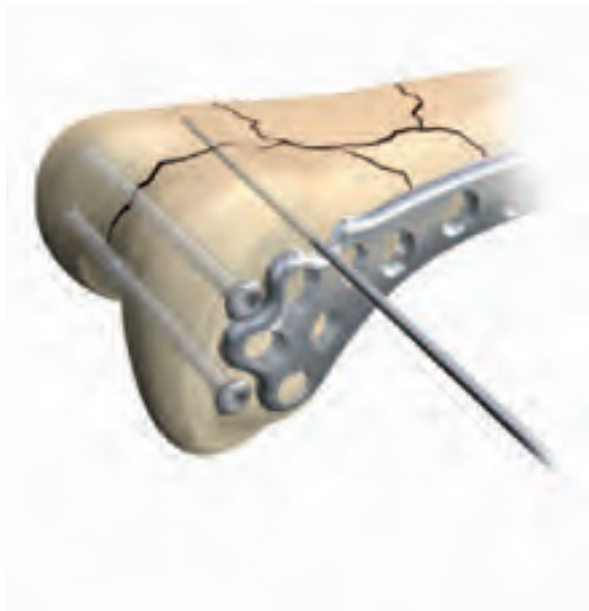
Using the PERI-LOC® 4.5mm Distal Femur Locking Plate Preoperative Template, determine the appropriate length plate for the fracture. In general, a longer plate allows for better mechanical advantage over a shorter plate. It is recommended that when selecting plate length, allow for five screw holes above the most proximal aspect of the fracture.



PERI-LOC® 4.5mm Distal Femur Plating Preoperative Template
Cat. No. 7118-0915

Articular Reduction and Provisional Fixation

It is important that articular fracture reduction be obtained prior to the placement of locking screws. Temporarily secure articular fragments by using K-Wires and/or Reduction Forceps. Place provisional and/or definitive fixation peripheral to the condylar contour of the plate. **Non-locking 3.5mm and 4.5mm Self-Tapping Cortex Screws can be nested peripherally in the contours of the plate.**



NOTE: If a **posterior Hoffa fracture** is present, fixation can be obtained by placing 3.5mm Cortex Screws or 4.0mm Cancellous Screws from anterior to posterior. Be sure to countersink the screw heads by using the Large Fragment Countersink so that the screw heads rest below the level of articular cartilage.

Plate and Targeter Assembly

Assemble the Targeter Base, Handle and Plate on the back table as shown.



| | | | | | |
|--|---|---|---|---|---|
|  |  |  |  |  |  |
| 3.5mm Self-Tapping Cortex Screw (Non-Locking) Cat. No. 7182-40XX | 4.5mm Self-Tapping Cortex Screw (Non-Locking) Cat. No. 7182-60XX | Large Fragment Countersink Cat. No. 7117-3353 | Targeter Base Cat. No. 7117-3440 (Left) Cat. No. 7117-3441 (Right) | Targeter Handle (Left) Cat. No. 7117-3401 (Right) | Targeter Large Fragment Locking Post Assembly Cat. No. 7117-3398 |

Plate Insertion

Insert the plate between the muscle and periosteum keeping the proximal end of plate against the femur during insertion.



Position Plate

Position the PERI-LOC® 4.5mm Distal Femur Locking Plate by matching the contour of the plate to the distal portion of the lateral femur. Insert the screw guide with the red color-coded 3.5mm drill guide into one of the distal holes. Tighten the screw guide to the base and tighten the red drill guide to the plate. Insert a long (metaphyseal) Provisional Fixation (PF) pin through the drill guide. Be careful not to over tighten the PF pin as extreme torque may cause the threads to strip.



4.5mm Distal Femur
Locking Plate
Cat. No. 7182-0008



Targeter 3.5mm
Drill Guide
Cat. No. 7117-3382



Targeter Provisional
Fixation Pin, 40mm
Cat. No. 7117-3408



Targeter Large
Fragment Screw
Guide
Cat.No. 7117-3397

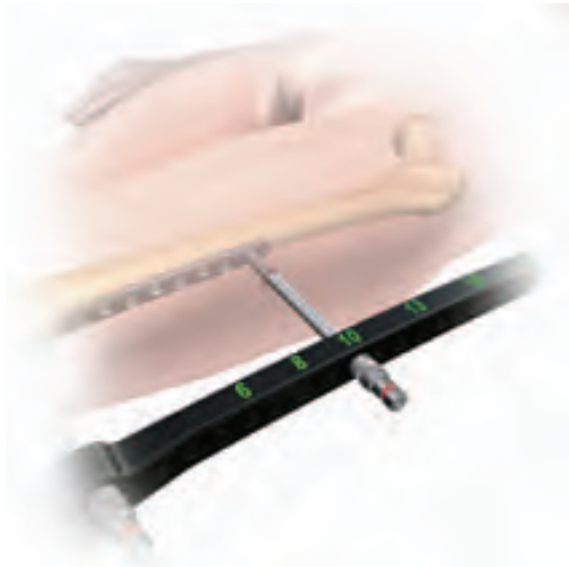
Obtain sagittal alignment of fracture and confirm with a lateral radiograph.



To access the proximal hole, insert the screw guide with a trocar through a small stab incision until the screw guide reaches the plate and locks into the base.



Remove the trocar and insert a red drill guide, threading it into the plate.



4.5mm Locking
Screw
Cat. No. 7182-70XX



Targeter Large
Fragment Trocar
Cat. No. 7117-3404



Targeter Large
Fragment Screw
Guide
Cat.No. 7117-3397



Targeter 3.5mm
Drill Guide
Cat. No. 7117-3382

Center the plate on the lateral aspect of the femur and apply a short (diaphyseal) PF pin in the most proximal hole.



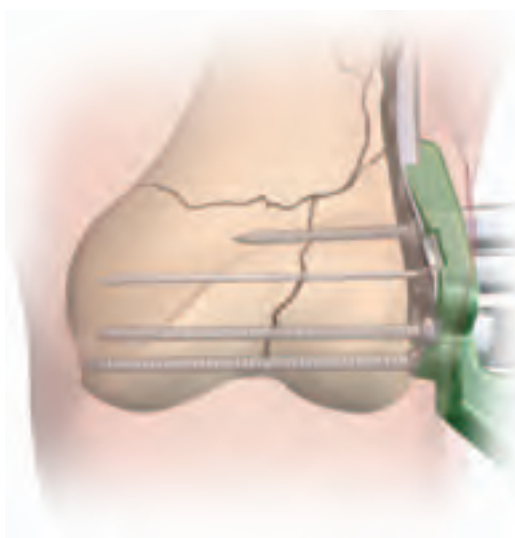
If further reduction of the distal portion in the diaphyseal fragment is required, center the plate on the distal diaphyseal fracture fragment and provisionally fix the plate close to the fracture by repeating the previous step. Obtain final confirmation of fracture alignment and implant position.



Insert the Screw Guide through any of the distal holes securing it to the base. Insert the 2.0mm K-Wire Locking Guide Insert (blue) which accepts the 2.0mm K-Wire (guide wire). This K-Wire can be redirected if necessary until it is parallel to the joint in the AP view. Loosening of the PF pins may be necessary to redirect the K-Wire parallel to the joint.



For correct coronal alignment, the K-Wire (guide wire) must be parallel to the joint in the AP view.



Targeter Large
Fragment Screw
Guide
Cat.No. 7117-3397

Targeter Large
Fragment K-Wire
Guide
Cat.No. 7117-3384

Targeter K-Wire
2.0mm x 350mm
Cat.No. 7117-3381

Advance the K-Wire until it reaches the medial wall of the femoral condyle. Measure for screw length by placing the 5.7mm Cannulated Depth Gauge against the end of the Large Fragment K-Wire Guide Insert for proper measurement.



Screw Insertion

Remove the K-Wire Guide and implant the appropriate length 5.7mm Cannulated Locking Screw over the K-Wire and into the bone using the 3.5mm Cannulated Hexdriver Shaft.

NOTE: The 5.7mm Cannulated Screws are self-drilling and self-tapping, making predrilling unnecessary in most cases. However, if predrilling is necessary, drill the near cortex using the 4.5mm Cannulated Drill Bit with Quick Connect.



| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| 5.7mm Cannulated Depth Gauge Cat.No. 7117-3332 | Targeter Large Fragment K-Wire Guide Cat.No. 7117-3384 | 5.7mm Cannulated Locking Screw Cat. No. 7182-80XX | 3.5mm Cannulated Hexdriver Cat.No. 7117-3434 | Targeter Large Fragment 4.5mm Cannulated Drill Cat.No. 7117-3444 |

The remaining condylar screws can be either 6.5mm Partially-Threaded Cancellous, 5.7mm Cannulated Locking Screws or 4.5mm Locking Self-Tapping Cortex Screws. To implant 4.5mm Locking Self-Tapping Cortex Screws, predrill with the 3.5mm Drill Bit with Quick Connect through the 4.5mm/5.7mm Locking Screw Guide and 3.5mm Locking Drill Guide Insert (red), stopping short of the medial cortex. For the 6.5mm Partially-Threaded Cancellous Screw, predrill with 4.5mm Drill Bit through the Targeter 4.5mm Drill Guide.

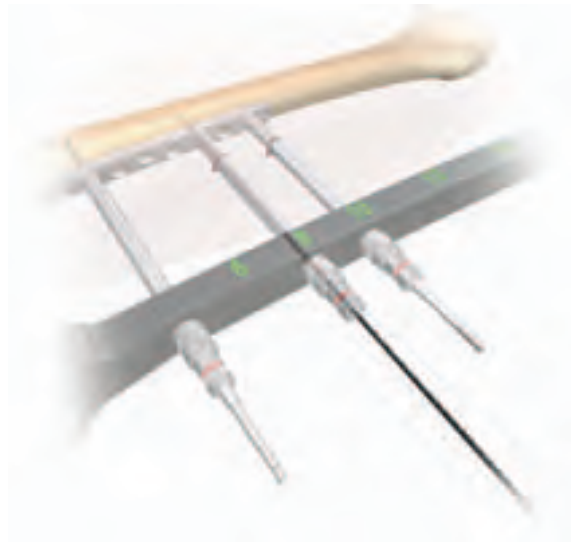


The distal PF pin should remain until all other distal screws have been implanted to keep the base-to-plate alignment secure. After all other distal screws have been inserted, remove the PF pin and replace with either a 5.7mm Cannulated Locking Screw or a 4.5mm locking screw using the steps previously described.

NOTE: Locking screws can be inserted using a powered drill system but should be tightened by hand. Tightening screws with a powered drill system may cause loss of reduction or expose the screw heads to excess torque.

The use of at least one 5.7mm Cannulated Locking Screw is recommended in the distal fragment.

NOTE: It may be necessary to use a unicondylar screw in the most distal hole to avoid joint impingement.



Proceed with definitive fixation of the shaft and the condylar portions with appropriate screw selections. If a combination of non-locking screws and locking screws is necessary, insert the non-locking cortex screws before locking screws are inserted in the fragment.



4.5mm Locking Self-Tapping Cortex Screws
Cat.No. 7182-70XX

Targeter 3.5mm Drill Bit
Cat.No. 7117-3402

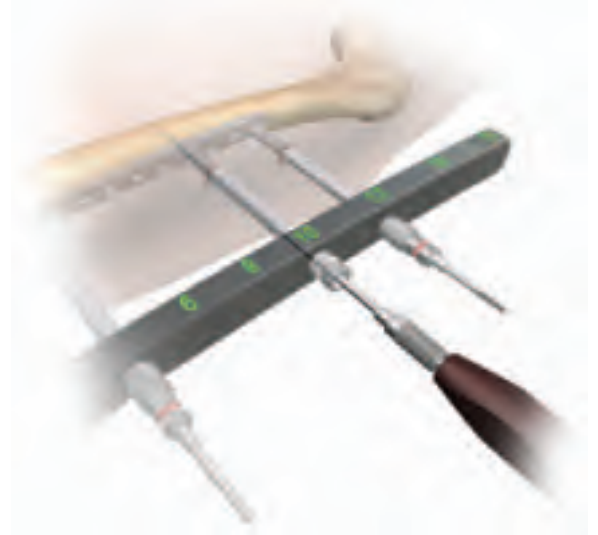
Targeter Large Fragment Screw Guide
Cat. No. 7117-3397

Targeter 3.5mm Drill Guide
Cat.No. 7117-3382

Targeter 4.5mm Drill Guide
Cat.No. 7117-3383

Targeter Large Fragment Hexdriver
Cat.No. 7117-3409

Pre-drill for the 4.5mm Self-Tapping Cortex Screws (Non-Locking) using the 3.5mm (red) Drill Bit through the 3.5mm (red) Drill Guide. Measure for length using the calibrations on the 3.5mm Drill Bit and insert the appropriate length 4.5mm Self-Tapping Cortex Screw (Non-Locking) using the 3.5mm Hexdriver.



After any/all non-locking screws have been inserted, insert 4.5mm locking screws using the same steps outlined in the previous step. Again, drill using the 3.5mm Drill Bit and read measurement from the drill bit. Insert the appropriate length 4.5mm Locking Self-Tapping Cortex Screw using the 3.5mm Hexdriver.



4.5mm Self-Tapping
Cortex Screws
(Non-Locking)
Cat.No. 7182-70XX

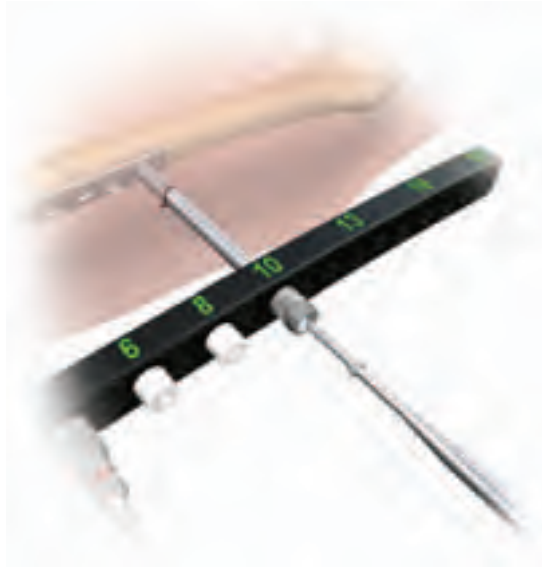
Targeter 3.5mm
Drill Bit
Cat.No. 7117-3402

Targeter 3.5mm
Drill Guide
Cat.No. 7117-3382

Targeter Large
Fragment Hexdriver
Cat.No. 7117-3409

The proximal hole with the PF pin should be the last to be filled in the proximal fragment. Remove the PF pin and replace with a 4.5mm Locking Self-Tapping Cortex Screw by first pre-drilling with the Targeter 3.5mm Drill Bit.

Remove the handle and base from the plate by unscrewing the Locking Post Assembly. Insert either a 4.5mm locking screw or a 5.7mm Cannulated Locking Screw by threading either the blue 2.0mm K-Wire Guide or the red 3.5mm Drill Guide into that hole and follow the previous steps for inserting the final screw.



Make sure all screws are tight before closing the wound.



Final lateral view



Final AP view



4.5mm Locking
Self-Tapping
Cortex Screws
Cat.No. 7182-70XX

Targeter 3.5mm
Drill Bit
Cat.No. 7117-3402

Catalog Information – 4.5mm Distal Femur Plates

4.5mm Distal Femur Locking Plates

| Cat. No. | Length | Quantity in Set |
|------------|-----------------|-----------------|
| 7182-0006 | 6H Left 155mm | 1 |
| 7182-0008 | 8H Left 193mm | 1 |
| 7182-0010 | 10H Left 230mm | 1 |
| 7182-0013 | 13H Left 286mm | 1 |
| 7182-0016 | 16H Left 342mm | 1 |
| 7180-0019* | 19H Left 399mm | 0 |
| 7182-0106 | 6H Right 155mm | 1 |
| 7182-0108 | 8H Right 193mm | 1 |
| 7182-0110 | 10H Right 230mm | 1 |
| 7182-0113 | 13H Right 286mm | 1 |
| 7182-0116 | 16H Right 342mm | 1 |
| 7180-0119* | 19H Right 399mm | 0 |

*Packaged sterile



Small Outer Case – 2.4”

Cat. No. 7112-9401

Lid for Outer Cases

Cat. No. 7112-9402

Plate Tray

Cat. No. 7117-0323

Catalog Information – Large Fragment System Screws

Large Fragment System 4.5mm Self-Tapping Cortex Screws (Non-Locking)



| Cat. No. | Length | Quantity in Set |
|------------|--------|-----------------|
| 7182-6014 | 14mm | 4 |
| 7182-6016 | 16mm | 4 |
| 7182-6018 | 18mm | 4 |
| 7182-6020 | 20mm | 6 |
| 7182-6022 | 22mm | 6 |
| 7182-6024 | 24mm | 6 |
| 7182-6026 | 26mm | 6 |
| 7182-6028 | 28mm | 6 |
| 7182-6030 | 30mm | 10 |
| 7182-6032 | 32mm | 10 |
| 7182-6034 | 34mm | 10 |
| 7182-6036 | 36mm | 10 |
| 7182-6038 | 38mm | 10 |
| 7182-6040 | 40mm | 10 |
| 7182-6042 | 42mm | 6 |
| 7182-6044 | 44mm | 4 |
| 7182-6046 | 46mm | 4 |
| 7182-6048 | 48mm | 4 |
| 7182-6050 | 50mm | 4 |
| 7182-6052 | 52mm | 4 |
| 7182-6054 | 54mm | 4 |
| 7182-6056 | 56mm | 4 |
| 7182-6058 | 58mm | 4 |
| 7182-6060 | 60mm | 4 |
| 7182-6062 | 62mm | 4 |
| 7182-6064 | 64mm | 4 |
| 7182-6066 | 66mm | 4 |
| 7182-6068 | 68mm | 4 |
| 7182-6070 | 70mm | 4 |
| 7182-6072 | 72mm | 4 |
| 7182-6074 | 74mm | 4 |
| 7182-6076 | 76mm | 4 |
| 7182-6078 | 78mm | 4 |
| 7182-6080 | 80mm | 4 |
| 7182-6085 | 85mm | 4 |
| 7182-6090 | 90mm | 2 |
| 7182-6095 | 95mm | 2 |
| 7182-6100 | 100mm | 2 |
| 7180-6105* | 105mm | 0 |
| 7180-6110* | 110mm | 0 |
| 7180-6115* | 115mm | 0 |
| 7180-6120* | 120mm | 0 |
| 7180-6125* | 125mm | 0 |
| 7180-6130* | 130mm | 0 |

*Packaged sterile

Large Fragment System 4.5mm Locking Self-Tapping Cortex Screws



| Cat. No. | Length | Quantity in Set |
|------------|------------------|-----------------|
| 7182-7010 | 10mm (Blunt Tip) | 4 |
| 7182-7012 | 12mm (Blunt Tip) | 4 |
| 7182-7014 | 14mm | 4 |
| 7182-7016 | 16mm | 4 |
| 7182-7018 | 18mm | 4 |
| 7182-7020 | 20mm | 6 |
| 7182-7022 | 22mm | 6 |
| 7182-7024 | 24mm | 6 |
| 7182-7026 | 26mm | 6 |
| 7182-7028 | 28mm | 6 |
| 7182-7030 | 30mm | 10 |
| 7182-7032 | 32mm | 10 |
| 7182-7034 | 34mm | 10 |
| 7182-7036 | 36mm | 10 |
| 7182-7038 | 38mm | 10 |
| 7182-7040 | 40mm | 10 |
| 7182-7042 | 42mm | 6 |
| 7182-7044 | 44mm | 4 |
| 7182-7046 | 46mm | 4 |
| 7182-7048 | 48mm | 4 |
| 7182-7050 | 50mm | 4 |
| 7182-7052 | 52mm | 4 |
| 7182-7054 | 54mm | 4 |
| 7182-7056 | 56mm | 4 |
| 7182-7058 | 58mm | 4 |
| 7182-7060 | 60mm | 4 |
| 7182-7062 | 62mm | 4 |
| 7182-7064 | 64mm | 4 |
| 7182-7066 | 66mm | 4 |
| 7182-7068 | 68mm | 4 |
| 7182-7070 | 70mm | 4 |
| 7182-7072 | 72mm | 4 |
| 7182-7074 | 74mm | 4 |
| 7182-7076 | 76mm | 4 |
| 7182-7078 | 78mm | 4 |
| 7182-7080 | 80mm | 4 |
| 7182-7085 | 85mm | 4 |
| 7182-7090 | 90mm | 2 |
| 7182-7095 | 95mm | 2 |
| 7182-7100 | 100mm | 2 |
| 7180-7105* | 105mm | 0 |
| 7180-7110* | 110mm | 0 |
| 7180-7115* | 115mm | 0 |
| 7180-7120* | 120mm | 0 |
| 7180-7125* | 125mm | 0 |
| 7180-7130* | 130mm | 0 |

*Packaged sterile

Large Fragment System 5.7mm Cannulated Locking Screws



| Cat. No. | Length | Quantity in Set |
|------------|--------|-----------------|
| 7182-8020 | 20mm | 3 |
| 7182-8025 | 25mm | 3 |
| 7182-8030 | 30mm | 3 |
| 7182-8035 | 35mm | 3 |
| 7182-8040 | 40mm | 3 |
| 7182-8045 | 45mm | 3 |
| 7182-8050 | 50mm | 3 |
| 7182-8055 | 55mm | 5 |
| 7182-8060 | 60mm | 5 |
| 7182-8065 | 65mm | 5 |
| 7182-8070 | 70mm | 5 |
| 7182-8075 | 75mm | 5 |
| 7182-8080 | 80mm | 5 |
| 7182-8085 | 85mm | 3 |
| 7182-8090 | 90mm | 3 |
| 7182-8095 | 95mm | 3 |
| 7182-8100 | 100mm | 3 |
| 7180-8105* | 105mm | 0 |
| 7180-8110* | 110mm | 0 |
| 7180-8115* | 115mm | 0 |
| 7180-8120* | 120mm | 0 |

*Packaged sterile

6.5mm Partially Threaded Cancellous Screws



| Cat. No. | Length | Quantity in Set |
|------------|--------|-----------------|
| 7182-8150 | 50mm | 4 |
| 7182-8155 | 55mm | 4 |
| 7182-8160 | 60mm | 4 |
| 7182-8165 | 65mm | 4 |
| 7182-8170 | 70mm | 4 |
| 7182-8175 | 75mm | 4 |
| 7182-8180 | 80mm | 4 |
| 7182-8185 | 85mm | 4 |
| 7182-8190 | 90mm | 4 |
| 7182-8195 | 95mm | 4 |
| 7182-8200 | 100mm | 4 |
| 7180-8205* | 105mm | 0 |
| 7180-8210* | 110mm | 0 |

*Packaged sterile

Washers

| Cat. No. | Length | Quantity in Set |
|-----------|-----------|-----------------|
| 7114-3110 | 10mm O.D. | 6 |
| 7114-3113 | 13mm O.D. | 6 |



Catalog Information – Distal Femur Targeter Instruments

Small Outer Case – 2.4”

Cat. No. 7112-9401

Lid for Outer Cases

Cat. No. 7112-9402

4.5mm Lateral Distal Femur Targeter Tray

Cat.No. 7117-0321

Targeter 3.5mm Drill Guide

Cat.No. 7117-3382



Targeter 4.5mm Drill Guide

Cat.No. 7117-3383



Targeter Large Fragment K-Wire Guide

Cat.No. 7117-3384



Targeter Large Fragment Screw Guide

Cat.No. 7117-3397



Targeter Large Fragment Locking Post Assembly

Cat.No. 7117-3398



Targeter 4.5mm Distal Femur Handle Left

Cat.No. 7117-3400



Targeter 4.5mm Distal Femur Handle Right

Cat.No. 7117-3401



Targeter Large Fragment Trocar

Cat.No. 7117-3404



Targeter Large Fragment Hexdriver Shaft

Cat.No. 7117-3409



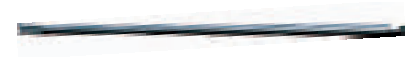
Targeter 4.7mm Hexdriver

Cat.No. 7117-3410



Targeter 3.5mm Large Fragment Cannulated Hexdriver

Cat.No. 7117-3434



Targeter 4.5mm Distal Femur 19-Hole Base Left

Cat.No. 7117-3440



Targeter 4.5mm Distal Femur 19-Hole Base Right

Cat.No. 7117-3441



5.7mm Cannulated Depth Gauge

Cat.No. 7117-3332



Large Fragment Screwdriver Handle

Cat.No. 7117-3547



Catalog Information – Large Fragment Targeter Distal Femur Disposables

Targeter K-Wire 2.0mm x 350mm

Cat.No. 7117-3381



Targeter 3.5mm Drill Bit

Cat.No. 7117-3402



Targeter 4.5mm Drill Bit

Cat.No. 7117-3403



Targeter 3.5mm Provisional Fixation Pin, 40mm

Cat.No. 7117-3408



Targeter 3.5mm Provisional Fixation Pin, 18mm

Cat.No. 7117-3416



Targeter LF Base Plug

Cat.No. 7117-3436



Targeter Large Fragment 4.5mm Cannulated Drill

Cat.No. 7117-3444



Catalog Information – Large Fragment System Instruments

Sharp Hook

Cat. No. 7117-0043



Wire Bending Pliers, 140mm Length

Cat. No. 7117-0063



Large Fragment Screw Depth Gauge

Cat.No. 7117-3331



5.7mm Cannulated Depth Gauge

Cat.No. 7117-3526



Large Fragment Countersink

Cat.No. 7117-3353



Universal Plate Bending Irons

Cat.No. 7117-3367



Hohmann Retractor Long, 15mm Width

Cat.No. 7117-3393



Universal Drill Guide Handle

Cat.No. 7117-3349



2.0mm Wire/Drill Insert

Cat.No. 7117-3517



3.5mm Drill Guide Insert

Cat.No. 7117-3513



2.0mm Parallel Wire/Drill Guide

Cat.No. 7117-3516



4.5mm Drill Guide Insert

Cat.No. 7117-3520



3.5mm Neutral Locking Hole Insert

Cat.No. 7117-3521



3.5mm Compression Locking Hole Insert

Cat.No. 7117-3522



3.5mm Neutral Slot Insert

Cat.No. 7117-3519



3.5mm Compression Slot Insert

Cat.No. 7117-3518



4.7mm Hexdriver

Cat.No. 7117-3540



Cannulated Bending Irons for K-Wires

Cat.No. 7117-3527



Cannulated AO to Trinkle Adaptor

Cat.No. 7117-3528



4.5/5.7mm Locking Screw Guide

Cat.No. 7117-3539



2.0mm K-Wire Locking Guide Insert

Cat.No. 7117-3531



3.5mm Locking Drill Guide Insert

Cat.No. 7117-3530



4.5mm Locking Drill Guide Insert

Cat.No. 7117-3532



3.5mm Locking Drill Guide – One Piece

Optional

Cat. No. 7117-3451



4.5mm Locking Drill Guide – One Piece

Optional

Cat. No. 7117-3541



Large Fragment Guide Removal Assembly

Cat.No. 7117-3550



Large Screwdriver Handle

Cat.No. 7117-3547



Tear Drop Handle Screwdriver with Quick Connect

Cat.No. 7117-3543



Small T-Handle, Quick Coupling

Cat.No. 7117-3542



3.5mm Hexdriver Shaft with AO Quick Connect

Cat.No. 7117-3537



3.5mm Cannulated Hexdriver Shaft

Cat.No. 7117-3536



Catalog Information – Large Fragment System Forceps Tray Instruments

Self Centering Reverse Verbrugge

| Cat. No. | Description |
|-----------|-------------|
| 7117-3544 | 190mm |
| 7117-3545 | 240mm |
| 7117-3546 | 280mm |



Reduction Forceps with Ratchet, 205mm

Cat. No. 7117-0044



Reduction Forceps with Speed Knob, 240mm

Cat. No. 7117-0050



Socket Wrench with Universal Joint

Cat. No. 7117-0143



Articulated Tension Device with Gauge

Cat. No. 7117-0145



Lamina Spreader

Cat. No. 7117-3365



Reduction Forceps with Ratchet-Bowed, 205mm

Cat. No. 7117-3370



Reduction Forceps with Ratchet, 240mm

Cat. No. 7117-3371



Reduction Forceps with Points, Broad

Cat. No. 7117-3377



Reduction Forceps with Serrated Jaw

Cat. No. 7117-3378



Catalog Information – Large Fragment System Trays

PERI-LOC[®] Large Fragment Instrument Tray

Cat.No. 7117-0327

Small Outer Case – 2.4”

Cat. No. 7112-9401

Lid for Outer Cases

Cat. No. 7112-9402

PERI-LOC Forceps Tray

Cat. No. 7117-0326

Catalog Information – Large Fragment System Disposables

K-Wires with Trocar Point and Threaded Pins

| Cat. No. | Description | Quantity in Set |
|-----------|---------------|-----------------|
| 7116-1020 | 2.0mm x 150mm | 6 |
| 7117-3361 | 2.0mm x 228mm | 6 |



Taps with Quick Connect

| Cat. No. | Description | Quantity in Set |
|-----------|------------------|-----------------|
| 7117-3319 | 4.5mm | 2 |
| 7117-3509 | 6.5mm Cancellous | 2 |



Provisional Fixation Pins

| Cat. No. | Description | Quantity in Set |
|-----------|--------------|-----------------|
| 7117-3324 | 3.5mm x 18mm | 4 |
| 7117-3325 | 3.5mm x 40mm | 4 |



Drill Bits with Quick Connect

| Cat. No. | Description | Quantity in Set |
|-----------|------------------|-----------------|
| 7117-3504 | 3.5mm Short | 2 |
| 7117-3505 | 3.5mm | 2 |
| 7117-3506 | 4.5mm | 2 |
| 7117-3507 | 4.5mm Short | 2 |
| 7117-3508 | 4.5mm Cannulated | 2 |



Notes

Notes

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