

Semi-extended Instrument Set



Tibial Nail Specifications

Proximal end of nail

23mm

40mm

– 10mm

17mm

30mm





M/L view



Specifications	Tibia (8.5mm)	Tibia	
Material	Ti6Al4V	Ti6Al4V	
Diameter	8.5mm	10, 11.5 & 13mm	
Lengths	16-50cm*	16-50cm*	
Nail Color	Grey	Gold	
Cross Section	Round	Round	
Proximal Diameter (driving end)	12mm	12mm (10, 11.5 diameter) 13mm (13 diameter)	
Distal Diameter (non-driving end)	8.5mm	10, 11.5 and 13mm	
Smallest Through Diameter	4.8mm	5.0mm	
Wall Thickness	1.9mm	2.3mm (10) 3.0mm (11.5) 2.3mm (13)	
Guide Bolt Thread	5/16-24 UNF	5/16-24 UNF	
Screw Diameter	4.5mm	5.0mm	
Screw Color	Grey	Gold	
Major Diameter	4.5mm	5.0mm	
Minor Diameter (core)	4.0mm	4.3mm	
Screw Lengths	25-65mm	25-110mm	
Hex Size	4.7mm	4.7mm	
Alternative Hexdrivers	RT Femoral & Recon 7.0mm Cannulated Screw	RT Femoral & Recon 7.0mm Cannulated Screw	
Alternative Modes	No	No	
Proximal Locking (Dri	ving End)		
Static Lock Locations/Orientations	17mm/45° Screw Locked w Cap 23mm/45° Threaded w bushing 30mm/25° Threaded 40mm/25° Threaded	/NAIL // ied	
Static Locking Hole Dimensions	Threaded 4.3mm minor diameter Threaded 4.7mm major diameter	Threaded 4.5mm minor diameter Threaded 5.3mm major diameter	
Compression/Dynamic Slot Location	10mm	10mm	
Compression/Dynamic Slot Diameter/Length	4.7mm/7mm	5.3mm/7mm	
Degree of Proximal Ber (Herzog)	nd 10°	10°	
Proximal Bend Location	127mm	27mm	
Distal Locking (Non-D	Priving End)		
Static Lock Locations/ Orientations	25mm/M/L 15mm/A/P 5mm/M/L (Threaded)	25mm/M/L 15mm/A/P 5mm/M/L (Threaded)	
Static Locking Hole Dimensions	4.7mm**	5.3mm**	
Degree of Distal Bend	2°	2°	
Distal Bend Location	60mm	60mm	

Note: These views are not to scale and should be used as a pictorial representation only.

nail (A/P view)

*Set does not include all sizes. **Most distal hole threaded.

Surgical Technique

Patient positioning

Position the patient supine on a radiolucent table with the unaffected limb extended away from the affected limb.

For the semi-extended technique, the operative limb should be in 10–20° of flexion.





Prepare the Entry Tube

- 1. Inspect the Entry Tube to ensure that it is not damaged, bent or chipped. Any flaws in the tube can lead to damage of the surrounding tendons and tissues.
- 2. Assemble the Entry Tube (571654526) to the Entry Portal Handle (571674092) by pulling back the black trigger of the Entry Portal Handle and inserting the Entry Tube into the handle ring.
- 3. Turn the tube until it clicks into a locked position.
- Place the Guide Pin Sleeve (571654527) through the tube until it locks into both the end of the sleeve and Entry Portal Handle ring. *Optional:* Suction can be applied to the Entry Portal Handle.



Incision and entry point: Lateral subluxation of the patella

- Make a midline skin incision approximately 1.5 inches in length from the upper pole of the patella to the middle of the patella (Figure 4). Make a second deep incision medial to the patella, cutting the superior two-thirds of the medial retinaculum, but leaving the cuff intact.
- 2. Extend the incision 1–2cm into the quadriceps tendon (Figure 5). This incision is through the medial one-third of the quadriceps tendon as outlined in the image.
- Sublux the patella laterally and pass the fully assembled entry tube through the skin incision until it is sitting on the tibial plateau (Figure 6).



Figure 4





Figure 6

Entry portal acquisition

- Use the femoral condyles as guides for proper tube placement, making sure that the Guide Pin Sleeve sits at the appropriate entry point (Figure 7).
- Locate the entry point just medial to the lateral tibial eminence in the (anteroposterior) A/P view, and in line with the anterior cortex and intramedullary canal in the lateral view (Figure 8).
- 3. Attach the 3.2mm Brad Point Guide Pin (571674130 or 571631436) to the drill via the Mini Connector (571631186) and insert the guide pin into the Guide Pin Sleeve (Figure 9).

Note: If the guide pin insertion is suboptimal, insert the Semi-extended Honeycomb

(571654533) and rotate the Honeycomb within the Entry Tube to the desired location. Insert another 3.2mm Brad Point Guide Pin. Avoid over-insertion of the guide pin as this can establish a false trajectory and subsequently cause fracture malalignment.

- After guide pin placement, remove the Guide Pin Sleeve and carefully slide the Entry Tube down and onto the tibial plateau (Figure 10).
- Attach the 12.5mm Entry Reamer (571631116) to a power drill. Advance the reamer over the guide pin and through the Entry Tube into the tibia to a depth of 4– 6cm. Maintain alignment to avoid penetration of the posterior cortex.
- Check position of the entry reamer via radiographic imaging and then remove the Entry Reamer and Guide Pin.



Figure 7





A/P Figure 8



Figure 9



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Alternative technique: Entry portal

 With the Entry Tube (Figure 11) and Entry Portal Handle (Figure 12) still in the joint space, attach the T-handle (571674076 or 571674576)

(Figure 13) to the Cannulated Awl (Figure 14). **Note:** Introduce the 3.2mm T-handle Trocar (571674074) (Figure 15) into the back of the assembly prior to insertion in order to prevent awl slippage and the accumulation of cortical bone within the cannulation.

2. Insert the awl into the proximal tibia to a depth of 4–6cm.



Figure 11



Entry Portal Handle Cat. No. 71674092

Figure 12



Cat. No. 571674076 or 571674576

T-handle

Figure 13

Cannulated Awl Cat. No. 71674000

Figure 14



3.2mm T-handle Trocar Cat. No. 71674074

Reduce the Fracture

- 1. Open the Gripper (571674080).
- Insert the smooth back end of the 3.0mm Ball Tip Guide (571631626) into the front of the Gripper and gently close the trigger grip (Figure 16).
- 3. Connect the Reducer and Reducer Connector (571674077) so that the words "Slot Orientation" are in line with the opening at the Reducer's tip (Figure 17).



Reducer Connector Figure 17

- 4. Connect the assembly to the T-handle.
- Advance the Reducer through the Entry Tube into the intramedullary canal and use the curved tip to direct the 3.0mm Ball Tip Guide Rod past the fracture into the region of the distal epiphyseal scar (Figure 18).

Note: The guide rod should be centercenter in the A/P and lateral views.



Figure 18

Reduce removal

- Once the guide rod reaches the desired depth, detach the Gripper and remove the Reducer from the tibial canal.
- To maintain guide rod position within the canal, slide the Obturator (571674078) into the back of the Thandle during extraction (Figure 19).



Determine the implant length

- Confirm that the Ruler opens easily. If it does not, adjust the thumb-wheel connection at the end to ensure free movement.
- 2. After the Reducer has been removed, reconfirm the guide rod placement within the distal tibia.
- Slide the Ruler (571674079) over the guide rod until the metal tip contacts the proximal tibia
 (Figure 20)

(Figure 20).

- Confirm the guide rod position in the window at the opposite end of the Ruler as shown in order to ensure accurate implant measurement (Figure 21).
- Push down on the top of the Ruler until it contacts the 3.0mm Ball Tip Guide Rod.
 Note: Ensure that the ruler is in contact with the Ball Tip Guide Rod.
- 6. Read the implant length from the exposed calibrations at the end of the Ruler.
- Confirm fracture reduction to ensure that the implant length is not underestimated. Reference the fibula for accurate fracture distraction or compression.







Figure 21

Unreamed technique

- Use radiographic templating to determine nail size (Figure 22).
 Note: The appropriate-diameter implant provides translational fill within the isthmus of the intramedullary canal.
- To help avoid implant incarceration during insertion, select a nail approximately 1.0– 1.5mm less than the narrowest canal measurement on the lateral radiograph.
 Note: The 8.2mm diameter of the Reducer provides an initial determination of the canal width in small-diameter tibias.



Reamed technique

- 1. Use radiographic templating to determine nail size.
- 2. Use the 9.0mm Front Cutting Reamer Head (571118231) and Flexible Reamer Shaft (571118200) to ream the intramedullary canal sequentially in half-millimeter increments to a size 1.0–1.5mm larger than the selected nail size (Figure 23).
- 3. To ensure Guide Rod placement during reaming, insert the Obturator (571674078) into the back of the Reamer unit during retraction.
- Continue to confirm Guide Rod placement in the distal tibia throughout reaming. Note: Periodically move the reamer back and forth in the canal to clear debris from the cutting flutes.



Figure 23

Nail assembly

- Use the Semi-extended Guide Bolt (571654525) to attach the Semi-extended Drill Guide (571654524) to the nail.
- Tighten with the Guide Bolt Wrench (571631140) and T-handle. The nail is correctly aligned when:

} The vertical black line on the posterior side of the insertion barrel aligns with the line on the posterior side of the nail.

For the "A" on the anterior side of the nail aligns with the "A" on the anterior side of the insertion barrel (Figure 24).

} The apex of the nail's proximal Herzog

Bend faces posteriorly and the drill guide is oriented anteriorly (Figure 25).

Note: The bevel on the front of the nail marks the connection to the drill guide and can be seen in the lateral view as a means to determine proximal insertion depth.

3. Attach the Anterior Drop

(571654501) to the drill guide.

To verify the accuracy of the target, insert a gold 9.0mm Drill Sleeve (571631152) and silver 4.0mm Drill Sleeve (571674083) into the drop (Figure 26), and then pass a 4.0mm Long Pilot Drill (571631110) through the assembly.

Note: An incorrectly attached nail will not target.



Nail insertion

Remove the Entry Tube and Handle

- Remove the Anterior Drop and attach the Cannulated Impactor-Medium (571675081) to the drill guide.
- 2. Orient the drill guide assembly in the A/P position.
- Use light blows with the Slotted Hammer (571674082) to advance the nail over the gui rod.

Note: If excessive force is required to insert t nail, additional reaming of the intramedullary may be required.

- Verify fracture reduction as the nail crosses the fracture site by paying close attention to rotation, length, alignment, distraction and/or shortening of the affected limb.
- Check the final nail position in both the A/P and lateral views to confirm correct alignment. Note: To obtain provisional fixation of the proximal tibial fragments, reattach the Anterior Drop and insert the gold 9.0mm Drill Sleeve (571631152) and silver 4.0mm Drill Sleeve

(571674083) into one of the two Blocking Screw holes in the Drop, then pass a 4.0mm Long Pilot Drill (571631110)* through the drill sleeves.



Check nail depth

Check the proximal nail depth

In the lateral view, confirm nail position by observing the nail/drill guide junction (Figure 28).

Note: If compression or dynamic locking is desired, countersink the nail approximately 10mm in order to avoid implant prominence.

Check the distal nail depth

 In the A/P and lateral views, confirm that the nail has been inserted to the desired depth (Figure 29).

Note: Optimal insertion depth, which will allow room for screw insertion below the fracture, is essential. Distal third tibial fractures require at least two locking screws to maintain stability.

- 2. Remove the Guide Rod once the nail is fully seated.
- 3. Reattach the Anterior Drop.
- Following nail insertion, confirm that the nail and drill guide are securely connected. Hammering can loosen the Guide Bolt.



Figure 28



Lock the screw

Determine the length of the locking screw

There are three options available to determine the locking screw lengths:

- Gold 9.0mm Drill Sleeve, silver 4.0mm Drill Sleeve and 4.0mm Long Pilot Drill* (Figure 30A).
- Screw Depth Gauge (571631189) (Figure 30B).
- Screw Length Sleeve (571674085) and 4.0mm Short Drill (571631117)** (Figure 30C).



Figure 30

Insert the Locking Screws

Proximal locking options include three statically locked threaded holes and one slot that allows for both fracture compression and/ or dynamization. These are targeted through the orange and blue color-coded holes on the Anterior Drop.

Distal locking options include three statically locked holes: two mediolateral (M/L) and one A/P. The most distal M/L hole is threaded for additional stability.

Gold 5.0mm locking screws are compatible with 10mm, 11.5mm and 13mm diameter nails. Grey 4.5mm locking screws are compatible with 8.5mm diameter nails.

Note: Do not use the 4.0mm Short Step Drill (571641123) when drilling for a grey 4.5mm locking screw. Its diameter transitions from 4.0mm to 4.7mm and will drill too large a hole in the near cortex, which may compromise locking screw purchase.



Figure 31: Tibial Nail with all four proximal screws inserted

Proximal locking

Static locking

- 1. Make a small incision at the site of screw entry.
- Insert the gold 9.0mm Drill Sleeve and silver 4.0mm Drill Sleeve through the static slot (STAT) on the Anterior Drop (Figure 32) down to bone.
- 3. Drill both cortices with the 4.0mm Long Pilot Drill*.
- Measure for screw length using either the calibrations on the 4.0mm Long Pilot Drill* or by removing the 4.0mm Drill Sleeve and using the Screw Depth Gauge.
- 5. Attach the appropriate-length screw to the end of the Medium Hexdriver (571631066).
- Use power to insert the screw through the gold 9.0mm Drill Sleeve until the laser-etched ring on the Hexdriver reaches the back of the Drill Sleeve.
- 7. Attach the T-handle to the Hexdriver and tighten the screw by hand.

Dynamic locking

- With the nail countersunk approximately 10mm, make a small incision at the site of screw entry and insert the gold 9.0mm Drill Sleeve and silver 4.0mm Drill Sleeve through the dynamic slot (DYN) on the Anterior Drop down to bone (Figures 33 and 34).
- 2. Drill both cortices with the 4.0mm Long Pilot Drill*.
- Use the techniques described in the "Lock the Screw" section to measure and insert the screw.

Note: Use the "TIBIA" and "ALL NAILS" holes marked on the Anterior Drop. **Note:** If the screw is left in the dynamic mode, a nail cap cannot be used as it will push against the locking screw.









Figure 34

Proximal locking: Compression

There are two methods that can be used to compress the fracture:

Compression Driver method

- 1. Countersink the nail a minimum of 10mm (Figure 35).
- 2. Lock the nail distally.
- 3. Reduce the fracture as much as possible to maximize the advantage of the compression driver.
- 4. Insert a screw through the proximal side of dynamic slot as described in the "Dynamic locking" section.
- 5. Remove the gold 9.0mm Drill Sleeve and Medium Hexdriver.
- Attach the Universal Compression Driver (571654528) to the T-handle and thread it through the guide bolt into the top of the nail until it contacts the most proximal 5.0mm locking screw (Figure 36).
- Turn the Compression Driver clockwise to advance the driver and drive the locking screw distally, which will compress the fracture up to 7mm (Figure 37).

Note: If there are screws in the other proximal holes, the fracture cannot be compressed. **Note:** Use fluoroscopy to check dynamic screw position when compressing the fracture.

8. Once the fracture gap is adequately compressed, lock the nail with up to three additional proximal static screws while the Anterior Drop is still attached to the drill guide. Note: If the Compression Driver is progressed after the fracture is fully compressed, the locking screw will begin to bend. In extreme cases where excess force is applied, the screw may break upon removal.











Nail Cap Set Screw method

- 1. Lock the nail distally, then fully insert the dynamic locking screw as previously described.
- 2. Remove the Drill Guide/Anterior Drop assembly.
- 3. Insert the Nail Cap Set Screw (571656000) into the top of the nail and advance with the Medium Hexdriver/T-handle assembly until the fracture is compressed and the Nail Cap Set Screw has fully engaged the locking screw (Figures 38a and 38b). Note: If there are screws in the other proximal holes, the fracture cannot be compressed. Note: Use fluoroscopy to check dynamic screw position when compressing the fracture. Note: For information on the use of Blocking Screws, refer to the Tibial Nail Surgical Technique (571181610).



Figure 38a

Figure 38b

Nail extraction: optional

Standard technique

- If implanted, remove the Nail Cap or Nail Cap Set Screw by using the Medium Hexdriver/T-Handle assembly.
- 2. Remove all the distal locking screws, and all but one of the proximal locking screws.
- Thread the Cannulated Impactor-Medium (571675081) or Cannulated Impactor-Long (571631185)* into the back of the Disposable Nail Extractor (571631320)**.
- 4. Thread the assembly into the top of the nail.
- 5. Remove the remaining proximal locking screw.
- 6. Use the Slotted Hammer with a back-slapping motion to extract the nail (Figure 39).



Percutaneous technique

In the absence of a Nail Cap or Nail Cap Set Screw:

- 1. Use the Medium Hexdriver/T-handle assembly to remove all distal locking screws and all but one of the proximal locking screws.
- 2. Under fluoroscopy, insert a 3.2mm Brad Point Tip Guide Pin (571674130 or 571631436) into the top of the nail either using power or by hand (Figure 40).
- 3. Make a 2cm incision around the pin.
- 4. Advance the 12.5mm Entry Reamer over the pin and into the top of the nail to remove any bony ingrowth (Figure 41). Note: The flared portion of the Entry Reamer enters the top of the nail.
- 5. Thread the Cannulated Impactor-Medium or Cannulated Impactor-Long* (571631185) into the back of the Disposable Nail Extractor** (571631320).
- 6. Thread the assembly into the top of the nail.
- 7. Remove the remaining proximal locking screw.
- 8. Extract the nail with a back-slapping motion.

An alternative method for extraction

Guide rod jamming technique

- 1. Advance the end of a 3.0mm Ball Tip Guide Rod through the end of the nail.
- 2. Insert the smooth end of a 2.0mm Ball Tip Guide Rod (571751146) in the same manner.
- 3. With both guide rods in place, attach the Gripper to the end of the 3.0mm Ball Tip Guide Rod.
- 4. Pull the Gripper back so that it wedges the ball tip against the 2.0mm Guide Rod.
- 5. Backslap against the Gripper with the Slotted Hammer to extract the nail.

Guide rods Cat. No. Description 571631626 3.0mm x 1000mm Ball Tip Guide Rod 571751146 2.0mm x 600mm Ball Tip Guide Rod

Additional removal items

Cat. No.	Description
5115074	Large Extractor Hook*
5115073	Small Extractor Hook*



Catalog information





Cat. Item	Description	Qty
571674021	Tibia Base Tray	1
571631066	Medium Hexdriver	1
571631068	Short Hexdriver	1
571631116	12.5mm Entry Reamer	1
571631140	Guide Bolt Wrench	1
571631152	9.0mm Drill Sleeve	2
571631161	Multipurpose Driver	1
571631186	Mini Connector	1
571631189	Screw Depth Gauge	1
571674000	Cannulated Awl	1
571674060	Entry Portal Tube	1
571674074	3.2mm T-handle Trocar	1
571674075	Honeycomb	1
571674576	T-handle	1
571674077	Reducer	1
571674077	Reducer Connector	1

Cat. Item	Description	Qt	y
571674078	Obturator	1	
571674079	Ruler	1	
571674080	Gripper	1	
571674081	Impactor	1	
571674082	Slotted Hammer	1	
571674083	4.0mm Drill Sleeve	2	
571674084	Screwdriver Release Handle	1	
571674085	Screw Length Sleeve	1	
571674092	Entry Portal Handle	1	
571671212	Reamer Set, Optional	1	
571118200	Flexible Reamer,Optional	1	
571631130	Flexible Reamer Extender, Optional	1	
571641123	4.0mm Diaphyseal Drill	1	
571631121	4.0mm Long AO Pilot Drill, 333mm, Disposable	2	
571671123	4.0mm Short AO Pilot Drill, 161mm, Disposable	1	
571674130	3.2mm x 343mm Brad Point Tip Guide Pin, Disposable	3	
571631070	Long Hexdriver, Optional	1	
571751153	AO Mini Connector, Optional	1	
571631187	Trinkle to Mini Connector, Optional	1	



Instrument Set Set No. 571654002

Cat. Item	Description	Qty
571654501	Anterior Drop	1
571654502	Drill Guide	1
571654503	Extension Drill Guide	1
571654505	Extension Guide Bolt (23mm)	2
571654506	Guide Bolt Long (51mm)	2
571654520	Long Screw Length Sleeve	1
571654554	Cannulated Impactor-Short	1
571631025	Large Nail Extractor	1



Blocking Screw Instrument Set (Optional) Set No. 571654001

Cat. Item	Description	Qty
571654515	Blocking Screw Device	1
571654509	Tibial Blocking Screw Attachment	1
571654522	11.0mm T-handle Awl	1
571654511	8.5mm/10mm Blocking Screw Cartridge	1
571654513	11.5mm/13mm Blocking Screw Cartridge	1
571654514	Offset Blocking Screw Cartridge	1
571654523	Blocking Screw Alignment Pin	2
571634508	Retrograde Femoral Blocking Screw Attachment	1



Semi-extended Instrument Set Set No. 571654004

Cat. Item	Description	Qty
571654524	Semi-extended Drill Guide	1
571654525	Semi-extended Guide Bolt	2
571654527	Semi-extended Guide Pin Sleeve	1
571654533	Semi-extended Honeycomb	1
571654526	Semi-extended Entry Tube	1
571654554	Cannulated Impactor - Short	1
571674092	Entry Portal Handle	1

Disposables Set No. 571654003

Cat. Item	Description
571631110	4.0mm Long Pilot Drill*
571631117	4.0mm Short Drill**
571631626	3.0mm x 1000mm Ball Tip Guide Rod
571674130 or 571631436	3.2mm Brad Point Guide Pin
571654528	Universal Compression Driver
571631320	Disposable Nail Extractor***

Implants

Low Profile Screws 4.5mm and 5.0mm

Cat. Item	Length	Cat. Item	Length	
71645420	4.5mm x 20mm	71645020	5.0mm x 20mm	4.5mm
71645422	4.5mm x 22.5mm	71645022	5.0mm x 22.5mm	
71645425*	4.5mm x 25mm	71645025*	5.0mm x 25mm	5.0mm
71645427*	4.5mm x 27.5mm	71645027*	5.0mm x 27.5mm	
71645430*	4.5mm x 30mm	71645030*	5.0mm x 30mm	
71645432*	4.5mm x 32.5mm	71645032*	5.0mm x 32.5mm	
71645435*	4.5mm x 35mm	71645035*	5.0mm x 35mm	
71645437*	4.5mm x 37.5mm	71645037*	5.0mm x 37.5mm	
71645440*	4.5mm x 40mm	71645040*	5.0mm x 40mm	
71645442*	4.5mm x 42.5mm	71645042*	5.0mm x 42.5mm	
71645445*	4.5mm x 45mm	71645045*	5.0mm x 45mm	
71645447*	4.5mm x 47.5mm	71645047*	5.0mm x 47.5mm	
71645450*	4.5mm x 50mm	71645050*	5.0mm x 50mm	
71645452*	4.5mm x 52.5mm	71645052*	5.0mm x 52.5mm	
71645455*	4.5mm x 55mm	71645055*	5.0mm x 55mm	
71645457*	4.5mm x 57.5mm	71645057*	5.0mm x 57.5mm	
71645460*	4.5mm x 60mm	71645060*	5.0mm x 60mm	
71645462*	4.5mm x 62.5mm	71645062*	5.0mm x 62.5mm	
71645465*	4.5mm x 65mm	71645065*	5.0mm x 65mm	
		71645067*	5.0mm x 67.5mm	
		71645070*	5.0mm x 70mm	
		71645072*	5.0mm x 72.5mm	
		71645075*	5.0mm x 75mm	

8.5mm Tibial

Cat. Item	Length	Cat. Item	Length
71655024*	24cm	71655035*	35cm
71655026*	26cm	71655036*	36cm
71655028*	28cm	71655037*	37cm
71655029	29cm	71655038*	38cm
71655030*	30cm	71655039	39cm
71655031	31cm	71655040	40cm
71655032*	32cm	71655041	41cm
71655033*	33cm	71655042	42cm
71655034*	34cm		

10mm Tibial

Cat. Item	Length
71655124	24cm
71655126	26cm
71655128*	28cm
71655129	29cm
71655130*	30cm
71655131	31cm
71655132*	32cm
71655133	33cm
71655134*	34cm
71655135*	35cm
71655136*	36cm
71655137*	37cm
71655138*	38cm
71655139*	39cm
71655140*	40cm
71655141	41cm
71655142	42cm

13mm Tibial

Cat. Item	Length
71655318	18cm
71655320	20cm
71655322	22cm
71655324	24cm
71655326	26cm
71655328	28cm
71655329	29cm
71655330	30cm
71655331	31cm
71655332	32cm
71655333	33cm
71655334	34cm
71655335	35cm
71655336	36cm
71655337	37cm
71655338	38cm
71655339	39cm
71655340	40cm
71655341	41cm
71655342	42cm
71655343	43cm
71655344	44cm
71655346	46cm
71655348	48cm
71655350	50cm

11.5mm Tibial

Cat. Item	Length	
71655224	24cm	
71655226	26cm	
71655228	28cm	
71655229	29cm	
71655230*	30cm	
71655231	31cm	
71655232*	32cm	
71655233	33cm	
71655234*	34cm	
71655235*	35cm	
71655236*	36cm	
71655237*	37cm	
71655238*	38cm	
71655239*	39cm	
71655240*	40cm	
71655241	41cm	
71655242	42cm	

Nail Cap Set Screw Cat.



Nail Caps

Cat. Item	Length
71634000	0mm
71634005	5mm
71634010	10mm
71634015	15mm
71634020	20mm