Surgical Technique

smith&nephew

EVOS® LARGE & PERIPROSTHETIC

Plating System

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Nota Bene

The following technique is for informational and educational purposes only. It is not intended to serve as medical advice. It is the responsibility of treating physicians to determine and utilize the appropriate products and techniques, according to their own clinical judgment for each of their patients. For more information on the product, including its Indications for Use, contraindications, preparation and product safety information, please refer to the product's label and the Instructions for Use (IFU) for the product.

The EVOS® LARGE Fragment & PERIPROSTHETIC Plating System is the next evolution of the osteosynthesis. Both the large fragment and periprosthetic plates operate off one unified instrument set and one screw set which is designed to reduce the amount of inventory and trays needed.

The system's screws offer fixation options that allow for customized constructs based on the patient's anatomy and fracture needs.

- 316L Stainless Steel
- Anatomically Contoured Plates for Femur, Tibia and Humeral Fractures
- Periprosthetic Specific Plate Options
- High Torque Screws
- A simple and straight forward instrument set that is designed to make EVOS LARGE efficient and easy to use by having:
  - Standardized drill bits[1-5]
  - Colour coded instrumentation[1-5]
- Percutaneous Targeters (see EVOS Targeter technique)
- New EVOS Cabling System (see EVOS Cabling technique)

	4.5mm			5.7mm	6.5mm		6.7mm	3.5mm	
	Cortex	Locking	Blunt Tip Locking	Cannulated Locking	Cannulated	Cannulated Locking	High Torque	Cortex	Locking
									
Major diameter	4.5mm	4.5mm	4.5mm	5.7mm	6.5mm	6.5mm	6.7mm	3.5mm	3.5mm
Minor diameter	3.5mm	3.5mm	3.5mm	4.5mm	5.0mm	5.0mm	5.0mm	2.5mm	2.5mm
Head diameter	8.0mm	8.3mm	8.3mm	8.3mm	8.0mm	8.3mm	8.0mm	5.6mm	5.4mm
Thread pitch	1.75mm	1.75mm	1.75mm	1.75mm	1.8mm	1.8mm	3.0mm	2.5mm	2.5mm
Driver	3.5mm Hex	3.5mm Hex	3.5mm Hex	3.5mm Hex	4.7mm Hex	4.7mm Hex	3.5mm Hex	2.5mm Hex	2.5mm Hex
Drill	3.7mm	3.7mm	3.7mm	4.5mm Cannulated	5.0mm Cannulated	5.0mm Cannulated	3.7mm	2.5mm	2.5mm
Guide wire diameter	N/A	N/A	N/A	2.0mm	3.2mm	3.2mm	N/A	N/A	N/A
Screw lengths	14 - 80mm, 2mm increments 85 - 130mm, 5mm increments	14 - 80mm, 2mm increments 85 - 130mm, 5mm increments	8 - 14mm, 2mm increments	20 - 130mm, 5mm increments	20 - 130mm, 5mm increments	20 - 130mm, 5mm increments	20-50mm, 2mm increments 55-110mm, 5mm increments	6 - 20mm, 1mm increments 22 - 50mm, 2mm increments 55 - 150mm, 5mm increments	6 - 20mm, 1mm increments 22 - 50mm, 2mm increments 55 - 110mm, 5mm increments

Straight Plates

	3.5mm/4.5mm Utility Plate	4.5mm Narrow Compression Plate	4.5mm Narrow Locking Compression Plate	4.5mm Locking Compression Plate	4.5mm Bowed Locking Compression Plate
					
Left/right specific	No	No	No	No	No
Head Thickness	3.0mm	N/A	N/A	N/A	N/A
Head Width	19.8mm	N/A	N/A	N/A	N/A
Shaft Thickness	4.9mm	4.8mm	4.8mm	4.8mm	4.8mm
Shaft Width	15.1mm	12.0mm	12.0mm	15.1mm	15.1mm
Shaft hole spacing	16.5mm	18.0mm	16.0mm	16.5mm	16.5mm
Holes/ Length	4 hole, 146.7mm 6 hole, 179.7mm 8 hole, 212.8mm 10 hole, 245.7mm‡ 12 hole, 278.8mm*‡ 14 hole, 311.8mm*‡	4 hole, 77.2mm* 6 hole, 113.2mm* 7 hole, 131.2mm 8 hole, 149.2mm 9 hole, 167.2mm 10 hole, 185.2mm 11 hole, 203.2mm 12 hole, 221.2mm* 14 hole, 257.2mm*	7 hole, 125.8mm* 8 hole, 142.3mm 9 hole, 158.8mm 10 hole, 175.3mm 12 hole, 208.3mm 14 hole, 241.3mm	4 hole, 69.1mm* 6 hole, 102.1mm* 8 hole, 135.1mm 10 hole, 168.0mm 12 hole, 201.1mm 14 hole, 234.1mm 16 hole, 267.1mm 18 hole, 300.1mm* 20 hole, 333.0mm*	10 hole, 167.9mm* 12 hole, 200.7mm 14 hole, 233.5mm 16 hole, 266.2mm 18 hole, 299.0mm 20 hole, 331.6mm*

* Plates available sterile only
‡ Tapered end

Large Fragment Plates

	4.5mm Proximal Femur Plate	4.5mm Lateral Distal Femur Plate	4.5mm Lateral Proximal Tibia Plate	4.5mm Proximal Humerus Plate	3.5mm Condylar Medial Distal Femur Plate	3.5mm Medial Distal Femur Plate
						
Left/right specific	Yes	Yes	Yes	Yes	Yes	Yes
Head Thickness	4.0mm	3.5mm	3.8mm	3.4mm	2.0mm	2.0mm
Head Width	26.1mm	34.7mm	32.0mm	22.8mm	21.0mm	17.9mm
Shaft Thickness	5.7mm	5.7mm	4.0mm	4.0mm	2.0mm	2.0mm
Shaft Width	18.9mm	18.9mm	14.0mm	12.7mm	11.4mm	11.4mm
Shaft hole spacing	18.0mm	19.0mm	16.0mm	13.5mm	11.0mm	11.0mm
Holes/ Length	2 hole, 99.0mm* 4 hole, 135.3mm 6 hole, 171.7mm 9 hole, 225.7mm 12 hole, 279.7mm 15 hole, 333.4mm+ 18 hole, 387.0mm*+	4 hole, 106.0mm* 6 hole, 142.2mm 9 hole, 196.6mm 11 hole, 232.8mm 13 hole, 269.0mm 15 hole, 305.1mm 17 hole, 341.2mm- 19 hole, 377.3mm-	4 hole, 97.0mm 6 hole, 129.0mm 8 hole, 161.0mm 11 hole, 208.9mm 14 hole, 256.9mm 17 hole, 304.9mm*	3 hole, 91.6mm 5 hole, 117.6mm 7 hole, 143.6mm 9 hole, 169.6mm 11 hole, 195.6mm 13 hole, 221.6mm 15 hole, 247.6mm	5 hole, 114.6mm*	5 hole, 89.9mm*

* Plates available sterile only
\+ Tapered distal end
\- Tapered proximal end

Periprosthetic Plates

	3.5mm/4.5mm Periprosthetic Distal Femur Plate	3.5mm/4.5mm Periprosthetic Proximal Femur Plate	3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate	3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate
				
Left/right specific	Yes	Yes	Yes	Yes
Head Thickness	3.5mm	4.0mm	3.2mm	3.7mm
Head Width	34.3mm	29.3mm	30.7mm	25.4mm
Shaft Thickness	5.7mm	5.7mm	5.7mm	5.7mm
Shaft Width	25.4mm	25.4mm	25.4mm	25.4mm
Shaft hole spacing	18.0mm	18.0mm	18.0mm	18.0mm
Holes/Length	14 hole, 296.9mm⁻ 16 hole, 333.2mm⁻ 18 hole, 369.4mm⁻ 20 hole, 405.5mm⁻ 22 hole, 441.6mm⁻	12 hole, 257.1mm 14 hole, 293.0mm 16 hole, 328.8mm⁺ 18 hole, 364.5mm⁺ 20 hole, 400.1mm⁺	1 hole, 95.7mm 3 hole, 132.0mm 6 hole, 186.3mm 9 hole, 240.4mm 12 hole, 294.6mm 14 hole, 330.4mm 16 hole, 366.1mm⁺ 18 hole, 401.6mm⁺ 20 hole, 437.4mm⁺	1 hole, 108.4mm 3 hole, 144.7mm 6 hole, 198.9mm 9 hole, 253.1mm 12 hole, 307.3mm*

* Plates available sterile only
\+ Tapered distal end
\- Tapered proximal end

4.5mm/5.7mm/6.7mm Screws

Drill Guides	Technique	Outside of plate	4.5mm Variable Angle Holes	Threaded Fixed Angle Holes	Non-threaded holes	Drill
3.7mm Serrated Drill Guide 	Independent Lag Screw - Cortex Screws - High Torque Screws	✓	✓	✓	✓	3.7mm Drill Short 3.7mm Drill Long
3.7mm Neutral Slot Drill Guide 	Neutral screw placement in slots - Cortex Screws - High Torque Screws				✓	3.7mm Drill Short 3.7mm Drill Long
3.7mm Compression Slot Drill Guide 	Axial Compression in slots - Cortex Screws				✓	3.7mm Drill Short 3.7mm Drill Long
3.7mm Neutral Drill Guide 	Neutral screws placement in threaded holes - Cortex Screws - High Torque Screws			✓		3.7mm Drill Short 3.7mm Drill Long
3.7mm Compression Drill Guide 	Compression screw placement in round holes - Cortex Screws - Axial Compression*			✓*		3.7mm Drill Short 3.7mm Drill Long
4.5mm Serrated Drill Guide 	Overdrill for lag screws - Cortex Screws	✓	✓	✓	✓	Overdrill for 4.5mm screws
3.7mm Nominal VA Hole Drill Guide 	Nominal screw placement in 4.5mm variable angle holes - Cortex Screws - Locking Screws - High Torque Screws		✓			3.7mm Drill Short 3.7mm Drill Long
3.7mm Variable Angle Drill Guide 	Off-axis screw placement in variable-angle holes - Cortex Screws - Locking Screws - High Torque Screws		✓			3.7mm Drill Short 3.7mm Drill Long

4.5mm/5.7mm/6.7mm Screws *continued*						
Drill Guides	**Technique**	**Outside of plate**	**Variable-angle holes**	**Threaded holes**	**Non-threaded holes**	**Drill**
	Locking screw placement in threaded holes			✓		3.7mm Drill Short 3.7mm Drill Long
	2.0mm Guide Wire placement - 5.7mm Cannulated Locking Screws			✓		2.0mm Guide Wire
	Locking screw placement in threaded holes			✓		3.7mm Drill Short 3.7mm Drill Long
	2.0mm Guide Wire placement - 5.7mm Cannulated Locking Screws			✓		2.0mm Guide Wire

6.5mm Cannulated Screws/Far Cortical Locking

Drill Guides	Technique	Outside of plate	Variable-angle holes	Threaded holes	Non-threaded holes	Drill
	Guide wire placement in threaded holes - 6.5mm Cannulated Screws			✓		3.2mm Guide Wire
	Placement of screws in far cortical locking mode - 4.5mm Locking Screws			✓		5.5mm Over Drill 3.7mm Far Cortical Drill

3.5mm Screws

Drill Guides	Technique	Outside of plate	Variable-angle holes	Threaded holes	Non-threaded holes	Drill
2.5mm Nominal VA Drill Guide 	Nominal screw placement in 3.5mm variable-angle holes - Cortex Screws - Locking Screws		✓			2.5mm Long Drill 2.5mm Short Drill
2.5mm Snap-in Drill Guide 	Off-axis screw placement in variable-angel holes - Cortex Screws - Locking Screws		✓			2.5mm Long Drill 2.5mm Short Drill
2.5mm Fixed/VA Drill Guide 	Nominal and off-axis screw placement in 3.5mm variable-angle holes - Cortex Screws - Locking Screws		✓			2.5mm Long Drill 2.5mm Short Drill

Plate Selection

The EVOS® LARGE Fragment system contains a variety of locking and non-locking utility plates that can be used in many applications at the surgeon's discretion. The following straight plates are available in the EVOS LARGE Fragment system:

- EVOS 4.5mm Narrow Non-Locking Compression Plate
- EVOS 4.5mm Narrow Locking Compression Plate
- EVOS 4.5mm Locking Compression Plate
- EVOS 4.5mm Bowed Locking Compression Plate

The EVOS LARGE Fragment system also contains a variety of locking contoured plates that can be used in many applications at the surgeon's discretion. Following fracture reduction, select the anatomic 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 to eight holes above or below the relevant fracture is recommended when selecting a plate length. The following anatomic plates are available in the EVOS LARGE Fragment system:

- EVOS 4.5mm Proximal Humerus Plate
- EVOS 4.5mm Proximal Femur Plate
- EVOS 4.5mm Distal Femur Plate
- EVOS 4.5mm Lateral Proximal Tibia Plate
- EVOS 3.5mm Medial Distal Femur Plate
- EVOS 3.5mm Condylar Medial Distal Femur Plate

The EVOS LARGE Fragment system also contains a variety of locking straight and contoured plates offering more screw hole options. These plates are designed for fractures where typical plate fixation may be compromised or obstructed, e.g. a Periprosthetic fracture of the distal femur when the patient has a total knee arthroplasty. More peripheral screw options accommodate for the canal obstruction in the Periprosthetic fracture plates. Following fracture reduction, select the Periprosthetic plate that best accommodates patient anatomy, fracture pattern, and nearby fixation obstructions. The same recommendations for large fragment anatomical plates apply. The following Periprosthetic plates are available in the EVOS LARGE Fragment system:

- EVOS 3.5mm/4.5mm Utility Plate
- EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Plate
- EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Plate
- EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate
- EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate

Plate Modification

Minor plate contouring can be accomplished by using the plate bending irons or the plate bending press with anvils. The longer versions of the following plates feature a thinned-out profile at the end of the plate shaft to assist with contouring around the trochanter region or distal flare.

- 3.5mm/4.5mm Periprosthetic Distal Femur Plate
- 3.5mm/4.5mm Periprosthetic Proximal Femur Plate
- 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate

Note: Plate contouring can affect the functionality of the locking mechanism. Avoid bending or contouring directly over a hole that will eventually be used for a locking screw. If plate contouring is necessary directly over holes, performing multiple smaller bends is less detrimental to the locking features compared to one dramatic bend.

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 or general reduction forceps provided by the hospital. Additional reduction instruments may be found in the EVOS® Advanced Reduction Instrument Set.

K-Wires:

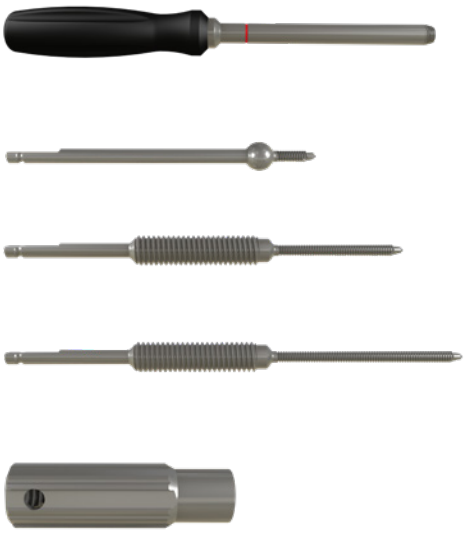
- 1.6mm Trocar Tip K-wire, 150mm
- 2.0mm Trocar Tip K-wire, 255mm

The EVOS Push screw may also be used to push the plate away from bone in order to obtain appropriate reduction. After positioning the plate per the steps below, attach the locking guide to the plate. Insert the push screw into the guide and advance until sufficient separation of plate and bone are achieved. Confirm radiographically. Proceed with further and final fixation using locking screws to maintain desired reduction in zone where bone is pushed away from plate.

Provisional Fixation

The EVOS® LARGE Fragment Plate Handle may be attached to any 4.5mm threaded hole and used as a handle for plate manipulation and insertion. Provisional fixation pins can be used to provisionally fix the plate to the bone.

Cat. No.	Description
7117-5604	3.5mm Provisional Fixation Pin, 14mm
7117-5602	3.5mm Provisional Compression Pin, 40mm
7117-5603	3.5mm Provisional Compression Pin, 60mm
7117-5605	3.5mm Provisional Compression Nut



Initial insertion of provisional pins may be started on power, but final seating should be performed by hand to avoid stripping of the threads and loss of purchase.

The provisional compression pins may be left proud of the of the plate and the compression nuts can then be tightened for provisional compression.

14mm provisional pins are designed for unicortical provisional fixation. The longer length provisional pins are design for bicortical provisional fixation.

The provisional compression nut may be tightened by hand, using the removal tool, or using the small AO quick connect end of 3.5mm driver shaft.

4.5mm Proximal Femur Plate

Plate selection

The EVOS® 4.5mm Proximal Femur Plate can be utilized for fractures of the proximal femur including per-trochanteric and subtrochanteric fractures. Additionally, the plate can be used for malunions or nonunions of the proximal femur. Plate selection should be based on the fracture anatomy, goals of fixation, ability to obtain the necessary reduction and stabilization of the fracture. Plate length should be based on principles of well-balanced and stable fixation.

Plate positioning

Position the EVOS 4.5mm Proximal Femur Plate against the lateral aspect of the greater trochanter. Extending distally, the plate should be centered along the lateral cortex of the femoral shaft. A drill guide can also be used as a handle to aid in positioning the plate.

Plate position should be optimized proximally to allow for greatest screw concentration with particular focus on the Alpha screw along the femoral neck calcar on AP view and centered in head on lateral view.

The plate can be provisionally held in position by placing wires through the wire holes proximally and distally in the plate allowing for confirmation of plate height and plate positioning. To confirm the position of the proximal screws in the femoral head and neck, thread a Drill Guide into the designated Alpha hole on the plate. A wire or drill can be placed through the “Alpha” Hole along the medial calcar and in the center of the femoral head on the lateral view. Plate height and position may need to be adjusted to position of the Alpha hole in the optimal location to provide medial calcar support. Care should be taken to also assess femoral neck version in terms of screw trajectory and directionality. The Alpha hole serves as the designated point of reference for correct plate position within the proximal fragment and initial guide pin insertion.

Once the desired location of the plate is achieved, the plate can be compressed to the bone using reduction clamps, provision fixation pins, or cortex screws. Fixation of the fracture can occur through the use of a combination of non-locking, locking, and high torque screws.

Note: Patient anatomy may not allow for all screws in the proximal end of the plate being able to be positioned across the femoral neck.

4.5mm Distal Femur Plate

Plate selection

Select the 4.5mm Distal Femur 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 eight or more screw holes above the most proximal aspect of the fracture is recommended when selecting a plate length.

Plate positioning and Fracture Reduction

The technique for application of the plate to the lateral femur depends on whether the reduction has been accomplished independent of plate application or if the plate will be used as a reduction tool.

In cases where the reduction has been accomplished prior to plate application, position the plate by matching the contour of the plate to the distal and proximal portions of the lateral femur. 3.5mm Provisional Fixation Pins can be used in the proximal and distal fragments to provisionally hold plate position. Generally, the center hole of the distal cluster can be used to provisionally hold plate position distally, and a hole near the proximal end of the plate can be used to hold proximally.

To confirm alignment in the coronal plane (ie varus/valgus), attach the 4.5mm/5.7mm Locking Screw Guide with the 2.0mm K-wire Locking Guide Insert to any of the distal holes. Insert a 2.0mm x 228mm Guide Pin through the K-wire Locking Guide Insert. A K-wire parallel to the joint indicates the distal segment is in 5 degrees of valgus relative to the shaft portion of the plate. If needed, loosen the Provisional Fixation Pin and adjust plate placement until correct positioning is achieved. The entirety of the plate should be over bone allowing for bicortical fixation. Once reduction and plate position are confirmed to be satisfactory, the plate is definitively fixed with screws to the proximal and distal fragments. If there is any mismatch in contour between plate and bone, locked screws are used in these areas so that the reduction is not disturbed.

In cases where the plate is used as a reduction aid, position the plate by matching the contour of the plate to the distal portion of the lateral femur. 3.5mm Provisional Fixation Pins can be used in distal fragments to provisionally hold plate position. Generally, the center hole of the distal cluster can be used to provisionally hold plate position distally. To confirm alignment of the plate relative to the distal fragment in the coronal plane (ie varus/valgus), attach the 4.5mm/5.7mm Locking Screw Guide with the 2.0mm K-wire Locking Guide Insert to any of the distal holes. Insert a 2.0mm x 228mm Guide Pin through the K-wire Locking Guide Insert. A K-wire parallel to the joint indicates the distal segment is in 5 degrees of valgus relative to the shaft portion of the plate. If needed, loosen the Provisional Fixation Pin, remove the guide pin and adjust reduction of the distal fragment relative to the plate until correct positioning and reduction is achieved.

The alignment of the proximal fragment is then titrated relative to the plate using non-locked screws and/or by using the EVOS® Push Screw until a satisfactory overall fracture alignment is achieved. Initially, the plate is secured proximally with a non-locked screw through the slot in the proximal portion of the plate, after confirming the plate is centered on bone with a lateral fluoroscopic view. On the lateral view, the entirety of the plate should be over bone allowing for bicortical fixation. The slot in the longer plates allows fine adjustment of length without loosing provisional plate fixation to bone. Final varus/valgus alignment is adjusted at the distal aspect of the proximal fragment by either drawing this portion of bone toward the plate with nonlocking screws, or by pushing this portion of the bone away from the plate with the EVOS Push Screw.

Once reduction and plate position are confirmed to be satisfactory, the plate is definitively fixed with screws to the proximal and distal fragments. If there is any mismatch in contour between plate and bone, locked screws are used in these areas so that the reduction is not disturbed.

4.5mm Proximal Tibia Plate

Plate selection

The EVOS® 4.5mm Proximal Tibial Plate can be utilized for proximal tibial fractures with or without extension into the tibial shaft, including periprosthetic fractures. Following fracture reduction, select the 4.5mm Proximal Tibia Locking Plate length 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.

Plate positioning

The technique for application of the plate to the proximal tibia depends on whether the reduction has been accomplished prior to plate placement or if the plate is being used to assist with the reduction of the fracture.

In cases in which the fracture has been reduced, the provided instrumentation allows the plate to be handled and placed in the appropriate position utilizing a number of different techniques. These include a “free hand” technique, using the targeter (see EVOS LARGE and PERIPROSTHETIC Targeter Technique), or threaded sleeves as joysticks to manipulate the position of the plate. Once the anterior compartment musculature has been elevated off the tibia the plate can be inserted from a proximal to distal direction on the lateral aspect of the tibia. In many cases the distal extent of the plate is placed percutaneously without direct visualization. Care should be taken to avoid posterior or anterior placement of the plate using fluoroscopic imaging. The proximal extent of the plate is positioned on the lateral plateau. Anterior malposition of the proximal aspect of the plate can occur if soft tissue dissection is not performed to the point of being able to palpate the fibular head. The plate should be adjusted both in the coronal and sagittal plan by direct manipulation until the best fit position is obtained. At that point provisional fixation pins and/or K-wire can be placed through the plate to provisionally hold the plate to bone. The tibial crest should be palpated at the

distal extent of the plate to verify that the plate is not prominent anteriorly. Alternatively, a small incision can be made distally to directly visualize plate position.

In cases of plate assisted reduction, the proximal aspect of the plate should be placed in the best fit position of the lateral plateau. Provisional Fixation Pins and/or screws can be placed in the proximal fragment through the plate. The distal aspect of the fracture can be manipulated using percutaneous placed clamps or reduction aides until the shaft of the tibia is lined up with the proximal segment. Once that is done nonlocking screws can be used to titrate coronal displacement and position. Alternatively, the surgeon can utilize locking screws if alignment is noted to be satisfactory.

In cases of proximal tibia periprosthetic fractures the implant should again be placed in the best fit position for the plate. Variable angle in the proximal row of the plate allow for screw placement around space occupying implants.

4.5mm Proximal Humerus Plate

Plate selection

The EVOS® 4.5mm Proximal Humerus Plate can be utilized for proximal humerus fractures with or without extension into the humeral shaft. Additionally, the plate can be used for mal-unions or non-unions of the proximal humerus and humeral shaft. Plate selection should be based on the fracture anatomy, goals of fixation, ability to obtain the necessary reduction and stabilization of the fracture. Plate length should be based on principles of well-balanced and stable fixation.

Plate positioning

The plate is contoured to avoid as much of the deltoid insertion as possible and avoid a lateral dissection on the humeral shaft. Proximally the anterior border of the plate should sit posterolaterally, adjacent to the bicipital groove. The plate then spirals anteriorly to sit directly anterior on the humeral shaft while avoiding excessive dissection of the deltoid insertion. As with all proximal humerus plates, one must avoid placing the plate too proximally as this will risk subacromial impingement. The preferred method is to reduce and provisionally stabilize the fracture prior to fixation. Alternatively, the plate can be used to aid in the reduction as a template.

Reduction

A deltopectoral approach is used to identify the fracture fragments and should strip as little as possible. Using clamps and K-wires as needed, the fragments are brought back together and held provisionally. Mini fragment screws may help to hold diaphyseal fractures and not impede plate placement. Restoring the calcar anatomy is a crucial part of the procedure.

The plate can be provisionally held in position by placing 1.6mm wires through the wire holes proximally and distally in the plate allowing for confirmation of plate height and position. The plate also has a slot to allow for the use of short provisional pins or a screw to hold the plate allowing for proximal and distal adjustments in position.

Fixation

Fixation can begin either proximally or distally and the use of unlocked screws initially will bring the plate to bone for better stability. Locked screws may be used instead when the plate fit is imperfect, and the reduction is anatomic. Alternately bending the plate to fit the bone will allow better friction of plate and bone. After unlocked screws are placed to fix the plate to the bone additional fixation is placed in the shaft and the head. Diaphyseal fixation in good bone is typically unlocked while locked fixation may be preferred in poor bone or revision cases. Proximal fixation is typically locked to resist varus displacement and control the head with shoulder motion. Either 5.7mm Cannulated Locking Screws or 4.5mm Locking Screws may be used. Regardless of the screw size, keeping the screws short of the cartilage is necessary. Many ways to do this have been described. The two simplest ways are to stop drilling prior to traversing the humeral head cartilage or to place screws 4 or 5mm shorter than measured if the cartilage has been penetrated.

3.5mm Medial Distal Femur Plate

Plate selection

The medial distal femoral plate has two versions of distal contour. The less contoured distal plate is made to gain fixation of the condyle for simpler medial condyle patterns or for augmentation of lateral fixation. The more contoured distal plate allows for a greater number of fixation points distally and is more effective for complex medial condylar patterns. The plate comes only in a thin version and is not indicated for metadiaphyseal injuries in isolation.

Plate positionting

Once the fracture is reduced and held provisionally, position the plate by matching the contour of the plate to the distal portion of the medial femur. The distal portion of the plate widens to allow multiple points of fixation in this region. It sits just anteriorly to the medial epicondyle. When using the more contoured version with more distal fixation, the distal part of the plate will sit below the epicondyle distally. For both plates, fixation in the distal segment can be locked or unlocked and can traverse the distal femur into the lateral condyle.

3.5mm Condylar Medial Distal Femur Plate

3.5mm Medial Distal Femur Plate

3.5mm/4.5mm Periprosthetic Distal Femur Plate

Plate selection

Select the Periprosthetic Distal Femur Plate that best accommodates patient anatomy and fracture pattern. In general, a longer plate allows for better mechanical advantage over a shorter plate. In general, a longer working length allows for greater force distribution and fatigue life of the implant. If a hip arthroplasty is present then stopping fixation at least 2 cortical widths or overlapping the implant (preferred) is appropriate.

Note: Please refer to the EVOS® Cabling Surgical Technique (71081177) if cables are desired.

Plate positioning

The technique for application of the plate to the lateral femur depends on whether the reduction has been accomplished independent of plate application or if the plate will be used as a reduction tool.

In cases where the reduction has been accomplished prior to plate application, position the plate by matching the contour of the plate to the distal and proximal portions of the lateral femur. 3.5mm Provisional Fixation Pins can be used in the proximal and distal fragments to provisionally hold plate position. Confirmation that the entire plate is on bone is done prior to definitive fixation.

To confirm alignment in the coronal plane (ie varus/valgus), attach the 4.5mm/5.7mm Locking Screw Guide with the 2.0mm K-wire Locking Guide Insert to any of the distal holes. Insert a 2.0mm Guide Pin through the K-wire Locking Guide Insert. A K-wire parallel to the joint indicates the distal segment is in 7 degrees of valgus relative to the shaft portion of the plate. If needed, loosen the Provisional Fixation Pin and adjust plate placement until correct positioning is achieved.

Once reduction and plate position are confirmed to be satisfactory, the plate is definitively fixed with screws to the proximal and distal fragments. If there is any mismatch in contour between plate and bone, locked screws may be used in these areas so that the reduction is not disturbed. The plate has an additional posterior and proximal locking hole in the distal cluster that can aid in fixation around nails or knee replacements. Proximally the plate has 3.5 screws to pass anteriorly or

3.5mm/4.5mm Periprosthetic Distal Femur Plate *continued*

posteriorly to nails or hip replacements. These can all be used with an open, percutaneous, or targeter technique.

In cases where the plate is used as a reduction aid, position the plate by matching the contour of the plate to the distal portion of the lateral femur. 3.5mm Provisional Fixation Pins can be used in distal fragments to provisionally hold plate position. To confirm alignment of the plate relative to the distal fragment in the coronal plane (ie varus/valgus), attach the 4.5mm/5.7mm Locking Screw Guide with the 2.0mm K-wire Locking Guide Insert to any of the distal holes. Insert a 2.0mm Guide Pin through the K-wire Locking Guide Insert. A K-wire parallel to the joint indicates the distal segment is in 7 degrees of valgus relative to the shaft portion of the plate. If needed, loosen the Provisional Fixation Pin and adjust reduction of the distal fragment relative to the plate until correct positioning and reduction is achieved. The alignment of the proximal fragment is then titrated relative to the plate using clamps, provisional fixation pins or non-locking screws until a satisfactory overall fracture alignment is achieved. Initially, the plate is provisionally secured proximally with a Provisional Fixation Pin through a 4.5mm hole in the proximal portion of the plate, after confirming the plate is centered on bone with a lateral fluoroscopic view. The entirety of the plate should be over bone allowing for bicortical fixation. Varus/valgus alignment is adjusted at the distal aspect of the proximal fragment by either drawing this portion of bone toward the plate with nonlocking screws, or by pushing this portion of the bone away from the plate with the EVOS® Push Screw. Once reduction and plate position are confirmed to be satisfactory, the plate is definitively fixed with screws to the proximal and distal fragments. If there is any mismatch in contour between plate and bone, locked screws may be used in these areas so that the reduction is not disturbed.

Once reduction and plate position are confirmed to be satisfactory, the plate is definitively fixed with screws to the proximal and distal fragments. If there is any mismatch in contour between plate and bone, locked screws are used in these areas so that the reduction is not disturbed.

Note: Peripheral screw placement is considered when the central screw holes are obstructed by an intramedullary implant. Of note, bone cement may be considered for fixation after appropriate predrilling.

3.5mm/4.5mm Periprosthetic Proximal Femur Plate

Plate selection

The Periprosthetic Proximal Femur Plate is designed to allow fixation around the proximal portion of the hip stem with 3.5mm peripheral screw holes in the proximal 2/3 of the plate. The proximal extent of the plate permits substantial fixation with smaller multidirectional screws allowing the surgeon to pass many small screws around the larger proximal portion of the hip stem. The majority of the plate has a combination of peripheral small screws and centrally located standard large fragment screw holes. This provides for out of plane screws to be placed around the majority of the stem and standard large screws to be used for additional fixation distally to the implant.

The plate is tapered at its distal region to allow for easier contourability and to allow for spanning the entire femur. The length of plate should allow for the entire hip stem, the fracture site, and the region just inferior to the fracture to be spanned by the thicker portion of the plate. When spanning the entire femur, the thinner distal region allows contouring to the distal metaphyseal flare with large fragment fixation into the medial condyle.

Note: Please refer to the EVOS® Cabling Surgical Technique (71081177) if cables are desired.

Plate positioning

The plate is centered along the mid axial line of the femoral shaft. This gives the proximal peripheral screw options the ability to be directed anteriorly and/or posteriorly around the larger proximal portions of the existing hip stem or nail. Fluoroscopy may be utilized to identify how small shifts in anterior or posterior positioning will affect the ability to place the 3.5 screws in front of or in back of the implant. Distally, the plate must be as centered as possible on the femur, but slight anterior or posterior translation can be accounted for by using the screws that are closest to the center of the femur.

Temporary positioning of the plate is accomplished using K–wires, plate reduction clamps or provisional fixation pins. Definitive fixation with screws is best accomplished under fluoroscopy to help achieve the optimal trajectory around the stem.

3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate

Plate selection

The EVOS® 3.5/4.5mm Periprosthetic Trochanteric Ring Plate is designed to provide optimum fixation for trochanteric fractures either in isolation or in combination with Periprosthetic proximal femur fractures. The plate options include multiple lengths to allow adequate distal fixation for all fracture patterns, including those around a stable femoral implant. The longest versions of these plates will allow spanning the entire femur.

Trochanteric anatomy is variable. Points of adequate fixation are often limited in trochanteric fractures and periprosthetic proximal femur fractures. The locking screw arrangement in the ring allows multiple variable angle and fixed angled options to obtain optimum purchase in the limited and often osteopenic trochanteric bone. The locking nature of the plate removes the need for a perfectly contoured plate, which can be very difficult to obtain given variable trochanteric dimensions and the thick overlying soft tissues.

Distal extension in periprosthetic fractures is addressed with the longer plates. The peripheral 3.5mm variable axis locking screw options allowing for fixation around a fixed femoral prosthesis while potentially minimizing the need for cerclage cables.

Note: Please refer to the EVOS Cabling Surgical Technique (71081177) if cables are desired.

Plate positioning

Plate is positioned to optimize both fit and fixation options. This requires consideration of position both proximal/distal and anterior/posterior. Plate is designed to be placed on top of the trochanteric soft tissues, including the medius/minimus tendon. The flare at the junction of the ring and the shaft plate should be placed as near as possible to the lateralis ridge while considering ring fit on trochanter. Fluoroscopy should guide placement with consideration of allowing screw options anterior, superior and posterior in the trochanteric ring. Care in assuring distal aspect of the plate is centered on bone should be considered throughout. K-wire fixation will help secure position distally while adjustments are made proximally. In periprosthetic fractures, centering the plate over the implant to maximize opportunity for fixation in front and back of the implant using the peripheral 3.5mm variable angle locking screws is important. Again, fluoroscopy is critical to making the small adjustments required to maximize fixation options.

Plate placement in these fracture patterns is a critical part of successful treatment. Taking extra care frequently rechecking with fluoroscopy, and being willing to adjust to maximize fixation options will allow the surgeon to make best use of the options built into this plate.

3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate

Plate selection

The 3.5mm/4.5mm EVOS® PERIPROSTHETIC Trochanteric Hook Plate is designed to optimize fixation with multiple screw options in anterior and posterior trochanter while offering traditional hook fixation in the proximal trochanter. Multiple lengths available for isolated trochanteric fractures and those associated with more distal femur fractures. The hole pattern in plate distal to trochanter allows screw fixation around femoral implants in periprosthetic applications, minimizing the need for cabling. Select the appropriate plate length for the fracture type.

Note: Plate will allow cable fixation with use of cable saddles and cable post that can be placed in the plates screw holes, maximizing possibilities for optimum cable locations.

Please refer to the EVOS Cabling Surgical Technique (71081177) if cables are desired.

Plate positioning

Plate has anatomic contour to account for trochanteric flare at the lateralis ridge. Plate is designed to be placed over the soft tissues on the greater trochanter and under the vastus lateralis distally. Plate is positioned over the greater trochanter and along the femoral shaft distally using the impactor handle. Hook points are placed through the medius tendon and impacted into proximal trochanter, taking care to maintain alignment with both the trochanteric fragment and the femoral shaft. Once impacted, screws are placed along anterior and posterior trochanter as indicated to optimize fixation, and distally in femoral shaft, using peripheral holes here to place screws around existing femoral implants.

Note: While best applied to a reduced fracture, plate can be applied to unreduced trochanteric fractures, obtaining fixation in the troch fragment and using the plate to reduce this complex to the femoral shaft.

3.5mm/4.5mm Utility Plate

Plate selection

Select the EVOS® 3.5mm/4.5mm Utility Plate that best accommodates patient anatomy and fracture pattern. In general, a longer plate allows for better mechanical advantage over a shorter plate.

Plate positioning

The plate is positioned so that the entirety of the plate is over bone allowing for bicortical fixation. The plate is positioned in a proximal/distal position to provide adequate fixation of either side of the fracture. The cluster of 4.5mm and 3.5mm screw holes allows multiple points of fixation in a short segment of bone.

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 within the EVOS◇ System.

Non-Locking screws for the EVOS System may be used outside the plate to assist with articular reduction or inter-fragmentary compression and through the plate to fix the plate to bone.

The 4.5mm cortex screws in the system may be used either through a 4.5mm plate or independently for fracture reduction.

Drill

- **Independent of the plate:** Position the 3.7mm drill guide to the bone and drill to the desired depth using the 3.7mm drill.
- **Independent of the plate – lag screw technique:** Position the 4.5mm drill guide to the bone and drill through the near cortex, creating a gliding hole for the 4.5mm screws. Insert the 3.7mm drill guide into the hole that was just drilled to ensure correct trajectory of the pilot-hole. Drill to the desired depth using the 3.7mm drill bit.
- **Inserting through a plate:** Position the 3.7mm drill guide into the desired screw hole and drill to the desired depth using the 3.7mm drill.
- **Compression Technique:** Position the 3.7mm compression drill guide into the desired hole and drill to the desired depth using the 3.7mm drill. The 3.7mm drill sleeve orients the drill hole to be eccentrically positioned in the plate hole. When the screw is then placed the eccentric screw the abuts the plate and pushes the plate away from the fracture line, compressing the fracture.

Countersink (optional)

If the screw is being used independently, countersinking the screw head may be desired to lower the screw head prominence on the bone. To countersink, attach the countersink for 4.5mm screws to the Large Screwdriver Handle with AO quick connect and prepare the bone surface by inserting the top into the predrilled hole and turning the countersink clockwise.

Measure

Measure for screw length by using the 4.5mm Depth Gauge.

Tap (optional)

The 4.5mm screws are self-tapping. However, in areas of dense cortical bone, tapping the bone may be desired prior to screw insertion. Tap by using the 4.5mm tap. This should be performed manually by using the Large Screwdriver Handle with AO quick connect. Turn the tap clockwise 2-3 complete turns and the turn back a 1/2 turn. This helps to clear the tap threads in dense bone and will allow the tap to smoothly tap the bone in these situations.

Washer Insertion (optional)

If the screw is being used independently, a washer or double washer may be inserted along with the screws. Slide the washer over the screw such that its recess rests against the underside of the screw head. The correct orientation of the washer on the screw should resemble a cone (screw head) in a cup (beveled surface of the washer). Screw insertion follows the previously described technique.

Screw Insertion

Insert the appropriate length 4.5mm Cortex Screw using the 3.5mm Hex Driver.

Note: Overtightening non-locking screws may result in bone stripping, depending on bone quality.

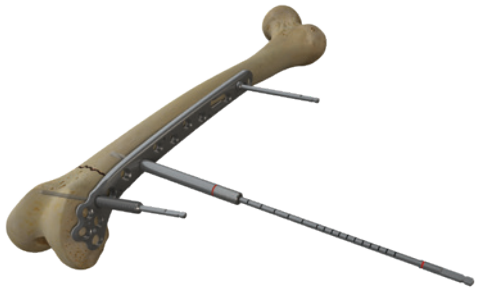
Variable Angle Screws vs Fixed Angle

Variable Angle holes can be locked once (preliminary) with ~15 in-lb of torque. If the trajectory is unsatisfactory the screw can be unlocked, and then redirected if desired preliminarily locked with 15 in-lb of torque. If the trajectory is now satisfactory it can be finally locked using ~35 in-lb. of torque.

The 4.5mm locking screws can be used in both threaded and variable angle screw holes.

Drill - Fixed Angled Locking

Position the 3.7mm Locking Drill Guide into the desired screw hole and drill to the desired depth using the 3.7mm drill.



Drill - Variable Angle Locking

Position the 3.7mm Variable Angle Drill Guide into a variable angle hole. The tip of the drill guide will mate with the tabs in the variable angle locking hole in order to ensure correct drill location. Drill to the desired depth and angle within the drill guide cone using the 3.7mm drill.

Measure

Measure for screw length by using the 4.5mm Depth Gauge.

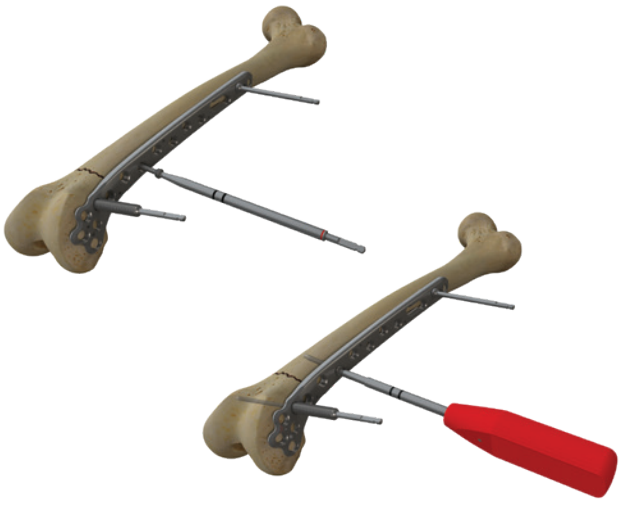
Tap (optional)

The 4.5mm screws are self-tapping. However, in areas of dense cortical bone, tapping the bone may be desired prior to screw insertion. Tap by using the 4.5mm tap. This should be performed manually by using the Small bulb Handle with AO quick connect.

For blunt tip locking screws being inserted unicortically near an adjacent prosthetic device, the blunt, peri-prosthetic tap, may be used following the same recommendations for the standard tap.

Screw Insertion

Insert the appropriate length 4.5mm Locking Screw using the 3.5mm Hex Driver.



The 5.7mm cannulated locking screws may be used with any of the plates with 4.5mm holes, and placed in either the threaded or variable angle holes.

Guide Pin Insertion

Position the 2.0mm drill guide into the desired screw hole and drill to the desired depth using the 2.0mm guide pin.

Measure

Measure for screw length by using the cannulated depth gauge placed over the guide pin.

Drill

The 5.7mm Cannulated Locking Screws feature a self-drilling tip which will allow this screw to be inserted without pre-drilling in most areas of bone quality. In areas of increased bone density, the 4.5mm Cannulated Drill can be used over the 2.0mm guide pin to pre-drill the trajectory prior to screw insertion.

Screw Insertion

Insert the appropriate length 5.7mm cannulated locking screw using the 3.5mm cannulated hex driver.

The 6.7mm High Torque screws are designed with an optimized thread form for use in areas of poor bone quality. These screws may be used either through plates with 4.5mm holes or used independently for fracture reduction and fixation.

Drill

- **Independent of the plate:** Position the 3.7mm drill guide to the bone and drill to the desired depth using the 3.7mm drill.
- **Inserting through a plate:** Position the 3.7mm drill guide into the desired screw hole and drill to the desired depth using the 3.7mm drill.

Countersink (optional)

If the screw is being used independently, countersinking the screw head may be desired to lower the screw head prominence on the bone. To countersink, attach the countersink for 4.5mm screws to the Large Screwdriver Handle with AO quick connect and prepare the bone surface by inserting the top into the predrilled hole and turning the countersink clockwise.

Measure

Measure for screw length by using the 4.5mm Depth Gauge.

Washer Insertion (optional)

If the screw is being used independently, a washer or double washer may be inserted along with the screws. Slide the washer over the cannulated screw such that its recess rests against the underside of the screw head. Screw insertion follows the previously described technique.

Screw Insertion

Insert the appropriate length 6.7mm High Torque screw using the 3.5mm Hex Driver.

The 6.5mm cannulated locking screws may be used through any of the plates with 4.5mm holes. Screws may be placed in both the threaded and variable angle holes.

Care should be taken to drill in the center of the whole due to the large diameter of the screw and potential for altering the locking mechanism. The variable angle holes allow the surgeon to be 5 degrees off axis, which will still allow the surgeon to be able to lock the screw within the plate.

Guide Pin Insertion

Position the 3.2mm drill guide into the desired screw hole and drill to the desired depth using the 3.2mm guide pin.

Measure

Measure for screw length by using the cannulated depth gauge over the guide pin.

Screw Insertion

Insert the appropriate length 6.5mm cannulated locking screw using the 4.7mm cannulated hex driver.

The 6.5mm cannulated screws may be used either through all plates with 4.5mm holes, or used independently for fracture reduction.

When the screw is place through the plate, care should be taken to not drill in the periphery of the hole. Peripheral drilling or drilling at extreme angles may prevent the screw from fulling seating within the plate and being too prominent.

Guide Pin Insertion

- **Independent of the plate:** Position the 3.2mm drill guide to the bone and drill to the desired depth using the 3.2mm guide pin.
- **Inserting through a plate:** Position the 3.2mm drill guide into the desired screw hole and drill to the desired depth using the 3.2mm guide pin.

Countersink (optional)

If the screw is being used independently, countersinking the screw head may be desired to lower the screw head prominence on the bone. To countersink, attach the countersink for 4.5mm screws to the Large Screwdriver Handle with AO quick connect and prepare the bone surface by inserting the top into the predrilled hole and turning the countersink clockwise.

Measure

Measure for screw length by using the cannulated depth gauge over the guide pin.

Washer Insertion (optional)

If the screw is being used independently, a washer or double washer may be inserted along with the screws. Slide the washer over the cannulated screw such that its recess rests against the underside of the screw head. Screw insertion follows the previously described technique.

Screw Insertion

Insert the appropriate length 6.5mm cannulated screw using the 4.7mm cannulated hex driver.

The 3.5mm Cortex Screws may be used either through a 3.5mm plate or independently for fracture reduction.

Drill

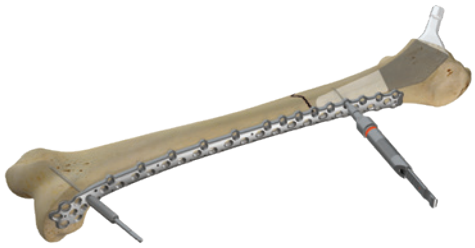
- **Option 1: Independent of the plate:** Attach the 2.5mm Serrated Snap In Guide to the EVOS® Modular handle and position against the bone. Drill to the bone and drill to the desired depth using the 2.5mm Drill Bit.
- **Option 2: Through a plate (Neutral Mode):**
  - **Fixed-angle threaded holes:** Thread in the 2.5mm Locking Drill Guide into the desired screw hole and drill to the desired depth using the 2.5mm Drill Bit.
  - **Variable-Angle Holes:** The 2.5mm VariableAngle/Fixed-Angle Drill Guide is double sided. The conical shaped side (Variable-Angle) should be used if one intends to place the screw off-axis through the plate. The cylindrical shaped sided (Fixed-Angle) should be used if one intends to place the screw to the nominal trajectory of the variable-angle hole. Determine the appropriate side of the Variable-Angle/ Fixed-Angle Drill Guide and insert it into the desired screw hole. Ensure the tip of the drill guide engages with the star shaped hole. Drill to the desired depth using the 2.5mm Drill Bit.

Countersink (optional)

If the screw is being used independently, countersinking the screw head may be desired to lower the screw head prominence on the bone. To countersink, attach the countersink for 3.5mm screws to the Large Screwdriver Handle and prepare the bone surface by inserting the top into the predrilled hole and turning the countersink clockwise

Measure

Measure for screw length by using the 3.5mm Screw Depth Gauge.



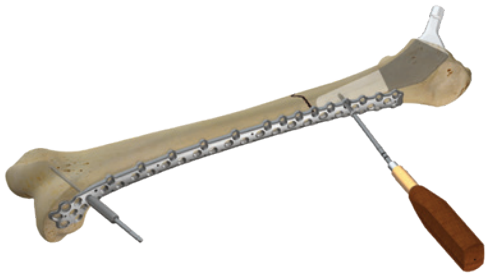
Tap (optional)

The 3.5mm screws are self-tapping. However, in areas of dense cortical bone, tapping the bone may be desired prior to screw insertion. Tap by using the 3.5mm Tap.

Screw Insertion

Insert the appropriate length 3.5mm Cortex Screw using the 2.5mm Self-Retaining Screwdriver. Final tightening should be performed by hand using the 2.5mm driver connected to the large screw driver handle.

Note: To prevent the AO Self-Retaining Driver from disengaging from the screw, axial pressure should be applied. The 2.5mm Long Drill Bit is calibrated to be measured off of the back of the 2.5mm Locking Drill Guide.



3.5mm Locking Screws can be angled and locked up to 15° in any direction in 3.5mm variable angle holes.

Note: It is not recommended to engage the variable-angle locking mechanism more than three times during insertion.

Drill

- **Through a plate:**
  - **For Fixed-Angle Threaded Holes:** Thread in the 2.5mm Locking Drill Guide into the desired screw hole and drill to the desired depth using the 2.5mm Drill Bit.
  - **For Variable-Angle Holes:** The 2.5mm Variable-Angle/Fixed-Angle Drill Guide is double sided. The conical shaped side (Variable-Angle) should be used if one intends to place the screw off-axis through the plate. The cylindrical shaped side (Fixed-Angle) should be used if one intends to place the screw to the nominal trajectory of the variable-angle hole. Determine the appropriate side of the Variable-Angle/Fixed-Angle Drill Guide and insert it into the desired plate hole. Ensure that the tip of the drill guide engages with the star shaped hole. Drill to the desired depth using the 2.5mm Short Drill Bit.

Measure

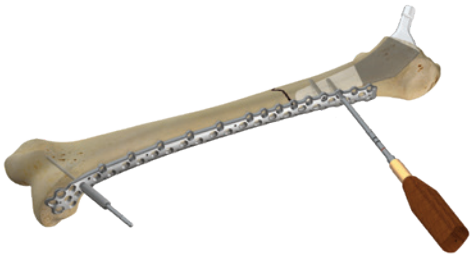
Measure for screw length by using the 3.5mm Screw Depth Gauge.

Tap (optional)

The 3.5mm Locking Screws are self-tapping. However, in areas of dense cortical bone, tapping the bone may be desired prior to screw insertion. Tap by using the 3.5mm Tap. This should be performed manually by using the Large Screwdriver Handle.

Screw Insertion

Insert the appropriate length 3.5mm Locking Screw using the 2.5mm Self-Retaining Screwdriver. Final tightening should be performed by hand using the 2.5mm Linear Driver.



The 4.5mm Locking Screw can be used in Far Cortical Locking Mode to increase the motion of the near cortex.

Far Cortical Locking Mode is only intended for the diaphysis.

If increased motion is desired, only screws in the far cortical locking mode should be used in the diaphyseal fragment.

Drill - Near cortex

Thread the 5.5mm Locking Drill Guide to the desired 4.5mm diaphyseal hole. Drill the near cortex with the 5.5mm Overdrill being careful not to not drill the far cortex.

Drill - Far cortex

Drill the far cortex using the 3.7mm Far Cortical Drill.

Measure

The 3.7mm Far Cortical Drill is calibrated to read depth off the back of the 5.5mm Locking Guide. Alternatively, remove the 5.5mm locking guide and use the 4.5mm Depth Gauge to determine screw length.

Screw insertion

Insert the appropriate length 4.5mm Locking Screw in the prepared hole using the 3.5mm hex driver.

The 4.5mm Cable Saddles are compatible with the 4.5mm threaded holes and variable angle holes.

The 4.5mm Cable Saddles may be inserted using the 3.5mm hex driver. The final orientation of the saddle may require a quarter turn in either direction to best suit cable passage.

When utilizing Variable Angled Holes, care should be take to ensure the cable passages in the Cable Saddles are not obstructed by the plate or surrounding tissue.

The 3.5mm Cable Saddles and posts are compatible with the 3.5mm threaded and variable angled holes.

The 3.5mm Cable Saddle and Post may be inserted using the 2.5mm hex driver. The final orientation of the saddle may require a quarter turn in either direction to best suit cable passage.

When utilizing Variable Angled Holes, care should be take to ensure the cable passages in the Cable Saddles are not obstructed by the plate or surrounding tissue.

3.5mm Cable Saddle

3.5mm Cable Post

Cat. Item	Description	Qty
General Intrument Set 71410308		
71170043	Sharp Hook	1
71175616	Large Fragment Bending Iron	2
71175660	EVOS® SMALL 2.5mm Snap-In Nominal VA Hole Drill Guide	1
71175042	EVOS 2.5mm Fixed/VA Drill Guide	1
71175050	EVOS 2.5mm Snap-In Drill Guide	1
71175632	3.7mm Variable Angle Drill Guide	1
71175620	EVOS LARGE 3.7mm Snap-In Serrated Drill Guide	1
71175627	EVOS LARGE 4.5mm Snap-In Serrated Drill Guide	1
71175621	EVOS LARGE 3.7mm Snap-In Neutral Slot Drill Guide	1
71175622	EVOS LARGE 3.7mm Snap-In Compression Slot Drill Guide	1
71175623	EVOS LARGE 3.7mm Snap-In Neutral Locking Hole Drill Guide	1
71175624	EVOS LARGE 3.7mm Snap-In Compression Locking Hole Drill Guide	1
71175631	EVOS LARGE 3.7mm Snap-In Nominal VA Hole Drill Guide	1
71175606	Large Modular Handle	1
71175635	EVOS LARGE 2.0mm Locking Guide	2
71175047	EVOS SMALL 2.5mm Snap-In Serrated Guide	1
71175056	EVOS 2.5mm Locking Drill Guide	2
71175051	EVOS SMALL 3.5mm Snap-In Serrated Guide	1
71175629	EVOS LARGE 3.7mm Locking Drill Guide	4
71175644	EVOS LARGE 5.5mm Locking Drill Guide	2
71175628	EVOS LARGE 4.5mm/5.7mm Locking Screw Guide	2
71175634	EVOS LARGE 2.0mm Guide Insert	2
71175645	EVOS LARGE 5.5mm Drill Guide Insert	1
71175630	EVOS LARGE 3.7mm Drill Guide Insert	2
71177734	EVOS LARGE Targeter 3.7mm Locking Guide	1
71175636	EVOS LARGE Cannulated Depth Gauge	1
71175611	4.5mm Depth Gauge, Long	1
71175612	4.5mm Depth Gauge, Short	1
71175069	EVOS SMALL 3.5mm Depth Gauge, Short	1
71175065	EVOS Modular Handle	1
71175098	2.5mm Hex Linear Driver Shaft	1
71175073	EVOS SMALL 2.5mm Tapered Hex Driver	1
71175615	EVOS LARGE 3.5mm Fixed-Handle Linear Hex Driver	1
71175609	EVOS LARGE 3.5mm Hex Holding Sleeve	1
71175681	EVOS LARGE Locking Guide Removal Tool	1
71173547	Cannulated Screwdriver Handle W/AO QC	1
71175617	EVOS LARGE Plate Handle	1
71177724	EVOS LARGE Targeter Removal Tool	1
71175031	EVOS 3.5mm Countersink W/AO QC	1
71175625	EVOS LARGE 4.5mm Countersink W/AO QC	1
71175665	EVOS 3.5mm Hex Driver Self-Retaining	1
71175614	EVOS LARGE 3.5mm Linear Hex Driver Shaft, Long	1
71175637	EVOS LARGE 3.5mm Cannulated Driver Shaft W/AO QC, Long	1
71175068	EVOS SMALL 3.5mm Depth Gauge, Long	1
71175605	3.5mm Provisional Compression Nut	2
71170722	EVOS LARGE 3.5mm Instrument Module Tray	1
71170723	EVOS LARGE 3.5mm Instrument Module Lid	1
71170718	EVOS LARGE 4.5mm Instrument Module Tray	1
71170719	EVOS LARGE 4.5mm Instrument Module Lid	1
71175648	EVOS 5.5mm Push-Screw	2
71170720	EVOS LARGE Fragment Instrument Tray	1
71170773	EVOS LARGE Tray Lid	1

Cat. Item	Description	Qty
Large Disposable Set - 71410338		
71161016	K-wire 1.6mm X 150mm Trocar Tip	4
71175600	K-wire 2.0mm X 255mm Trocar Tip	6
71175093	2.5mm Provisional Fixation Pin, 14mm	2
71175094	2.5mm Provisional Fixation Pin, 25mm	2
71175095	2.5mm Provisional Fixation Pin, 40mm	2
71175604	3.5mm Provisional Fixation Pin, Short 14mm	2
71175602	3.5mm Provisional Fixation Pin, Short 40mm	2
71175603	3.5mm Provisional Fixation Pin, Short 60mm	2
71177760	EVOS® LARGE 2.5mm Drill W/AO QC, Short	1
71177757	EVOS LARGE 2.5mm Drill W/AO QC, Long	1
71175646	EVOS LARGE 3.7mm/5.5mm Step Drill W/AO QC	1
71175027	EVOS SMALL 3.5mm Overdrill W/AO QC Short	1
71175028	EVOS 3.5mm Tap w/ AO QC	1
71175618	3.7mm Drill w/AO QC, Short	2
71175619	3.7mm Drill w/AO QC, Long	2
71177735	EVOS LARGE 3.7mm Targeter Drill	2
71175626	EVOS LARGE 4.5mm Overdrill W/AO QC, Short	2
71175633	4.5mm Cannulated Drill w/ AO QC	1
71175647	EVOS LARGE 5.5mm Overdrill W/AO QC	1
71175607	EVOS LARGE 4.5mm Tap W/AO QC	1
71175608	Periprosthetic 4.5mm Tap w/ AO QC	1

Cat. Item	Description	Qty
Large Screw Set - 71410330N		
71170045	Screw Forceps	1
71177688N	EVOS Washer for 4.5mm Screw	10
72514500N	EVOS 4.5mm Locking Hole Insert	6
71177689N	EVOS Double Washer for 4.5mm Screw	10
4.5mm Cortex and Locking Screws		
72504514N	EVOS 4.5mm X 14mm Cortex Screw Self-Tapping	4
72504516N	EVOS 4.5mm X 16mm Cortex Screw Self-Tapping	4
72504518N	EVOS 4.5mm X 18mm Cortex Screw Self-Tapping	4
72504520N	EVOS 4.5mm X 20mm Cortex Screw Self-Tapping	6
72504522N	EVOS 4.5mm X 22mm Cortex Screw Self-Tapping	6
72504524N	EVOS 4.5mm X 24mm Cortex Screw Self-Tapping	6
72504526N	EVOS 4.5mm X 26mm Cortex Screw Self-Tapping	8
72504528N	EVOS 4.5mm X 28mm Cortex Screw Self-Tapping	8
72504530N	EVOS 4.5mm X 30mm Cortex Screw Self-Tapping	8
72504532N	EVOS 4.5mm X 32mm Cortex Screw Self-Tapping	8
72504534N	EVOS 4.5mm X 34mm Cortex Screw Self-Tapping	8
72504536N	EVOS 4.5mm X 36mm Cortex Screw Self-Tapping	8
72504538N	EVOS 4.5mm X 38mm Cortex Screw Self-Tapping	8
72504540N	EVOS 4.5mm X 40mm Cortex Screw Self-Tapping	8
72504542N	EVOS 4.5mm X 42mm Cortex Screw Self-Tapping	6
72504544N	EVOS 4.5mm X 44mm Cortex Screw Self-Tapping	6
72504546N	EVOS 4.5mm X 46mm Cortex Screw Self-Tapping	6
72504548N	EVOS 4.5mm X 48mm Cortex Screw Self-Tapping	6
72504550N	EVOS 4.5mm X 50mm Cortex Screw Self-Tapping	4
72504552N	EVOS 4.5mm X 52mm Cortex Screw Self-Tapping	4
72504554N	EVOS 4.5mm X 54mm Cortex Screw Self-Tapping	4
72504556N	EVOS 4.5mm X 56mm Cortex Screw Self-Tapping	4
72504558N	EVOS 4.5mm X 58mm Cortex Screw Self-Tapping	4
72504560N	EVOS 4.5mm X 60mm Cortex Screw Self-Tapping	4
72504562N	EVOS 4.5mm X 62mm Cortex Screw Self-Tapping	4
72504564N	EVOS 4.5mm X 64mm Cortex Screw Self-Tapping	4
72504566N	EVOS 4.5mm X 66mm Cortex Screw Self-Tapping	4
72504568N	EVOS 4.5mm X 68mm Cortex Screw Self-Tapping	4
72504570N	EVOS 4.5mm X 70mm Cortex Screw Self-Tapping	4

4.5mm Cortex and Locking Screws *continued*		
72504572N	EVOS® 4.5mm X 72mm Cortex Screw Self-Tapping	4
72504574N	EVOS 4.5mm X 74mm Cortex Screw Self-Tapping	4
72504576N	EVOS 4.5mm X 76mm Cortex Screw Self-Tapping	4
72504578N	EVOS 4.5mm X 78mm Cortex Screw Self-Tapping	4
72504580N	EVOS 4.5mm X 80mm Cortex Screw Self-Tapping	4
72504585N	EVOS 4.5mm X 85mm Cortex Screw Self-Tapping	4
72504590N	EVOS 4.5mm X 90mm Cortex Screw Self-Tapping	2
72504595N	EVOS 4.5mm X 95mm Cortex Screw Self-Tapping	2
72504600N	EVOS 4.5mm X 100mm Cortex Screw Self-Tapping	2
72514514N	EVOS 4.5mm X 14mm Locking Screw Self Tapping	4
72514516N	EVOS 4.5mm X 16mm Locking Screw Self Tapping	4
72514518N	EVOS 4.5mm X 18mm Locking Screw Self Tapping	4
72514520N	EVOS 4.5mm X 20mm Locking Screw Self Tapping	6
72514522N	EVOS 4.5mm X 22mm Locking Screw Self Tapping	6
72514524N	EVOS 4.5mm X 24mm Locking Screw Self Tapping	6
72514526N	EVOS 4.5mm X 26mm Locking Screw Self Tapping	8
72514528N	EVOS 4.5mm X 28mm Locking Screw Self Tapping	8
72514530N	EVOS 4.5mm X 30mm Locking Screw Self Tapping	8
72514532N	EVOS 4.5mm X 32mm Locking Screw Self Tapping	8
72514534N	EVOS 4.5mm X 34mm Locking Screw Self Tapping	8
72514536N	EVOS 4.5mm X 36mm Locking Screw Self Tapping	8
72514538N	EVOS 4.5mm X 38mm Locking Screw Self Tapping	8
72514540N	EVOS 4.5mm X 40mm Locking Screw Self Tapping	8
72514542N	EVOS 4.5mm X 42mm Locking Screw Self Tapping	6
72514544N	EVOS 4.5mm X 44mm Locking Screw Self Tapping	6
72514546N	EVOS 4.5mm X 46mm Locking Screw Self Tapping	6
72514548N	EVOS 4.5mm X 48mm Locking Screw Self Tapping	6
72514550N	EVOS 4.5mm X 50mm Locking Screw Self Tapping	4
72514552N	EVOS 4.5mm X 52mm Locking Screw Self Tapping	4
72514554N	EVOS 4.5mm X 54mm Locking Screw Self Tapping	4
72514556N	EVOS 4.5mm X 56mm Locking Screw Self Tapping	4
72514558N	EVOS 4.5mm X 58mm Locking Screw Self Tapping	4
72514560N	EVOS 4.5mm X 60mm Locking Screw Self Tapping	4
72514562N	EVOS 4.5mm X 62mm Locking Screw Self Tapping	4
72514564N	EVOS 4.5mm X 64mm Locking Screw Self Tapping	4
72514566N	EVOS 4.5mm X 66mm Locking Screw Self Tapping	4
72514568N	EVOS 4.5mm X 68mm Locking Screw Self Tapping	4
72514570N	EVOS 4.5mm X 70mm Locking Screw Self Tapping	4
72514572N	EVOS 4.5mm X 72mm Locking Screw Self Tapping	4
72514574N	EVOS 4.5mm X 74mm Locking Screw Self Tapping	4
72514576N	EVOS 4.5mm X 76mm Locking Screw Self Tapping	4
72514578N	EVOS 4.5mm X 78mm Locking Screw Self Tapping	4
72514580N	EVOS 4.5mm X 80mm Locking Screw Self Tapping	4
72514585N	EVOS 4.5mm X 85mm Locking Screw Self Tapping	4
72514590N	EVOS 4.5mm X 90mm Locking Screw Self Tapping	2
72514595N	EVOS 4.5mm X 95mm Locking Screw Self Tapping	2
72514600N	EVOS 4.5mm X 100mm Locking Screw Self Tapping	2

Cat. Item	Description	Qty
4.5mm Blunt Tip		
72514408N	EVOS® 4.5mm X 8mm Blunt Tip Locking Screw	4
72514410N	EVOS 4.5mm X 10mm Blunt Tip Locking Screw	4
72514412N	EVOS 4.5mm X 12mm Blunt Tip Locking Screw	4
72514414N	EVOS 4.5mm X 14mm Blunt Tip Locking Screw	4
4.5mm HIGH TORQUE		
72526728N	EVOS 6.7mm X 28mm High Torque Screw Fully Threaded	1
72526730N	EVOS 6.7mm X 30mm High Torque Screw Fully Threaded	1
72526732N	EVOS 6.7mm X 32mm High Torque Screw Fully Threaded	1
72526734N	EVOS 6.7mm X 34mm High Torque Screw Fully Threaded	1
72526736N	EVOS 6.7mm X 36mm High Torque Screw Fully Threaded	1
72526738N	EVOS 6.7mm X 38mm High Torque Screw Fully Threaded	1
72526740N	EVOS 6.7mm X 40mm High Torque Screw Fully Threaded	1
72526742N	EVOS 6.7mm X 42mm High Torque Screw Fully Threaded	1
72526744N	EVOS 6.7mm X 44mm High Torque Screw Fully Threaded	1
72526746N	EVOS 6.7mm X 46mm High Torque Screw Fully Threaded	1
72526748N	EVOS 6.7mm X 48mm High Torque Screw Fully Threaded	1
72526750N	EVOS 6.7mm X 50mm High Torque Screw Fully Threaded	2
72526755N	EVOS 6.7mm X 55mm High Torque Screw Fully Threaded	2
72526760N	EVOS 6.7mm X 60mm High Torque Screw Fully Threaded	2
72526765N	EVOS 6.7mm X 65mm High Torque Screw Fully Threaded	2
72526770N	EVOS 6.7mm X 70mm High Torque Screw Fully Threaded	2
72526775N	EVOS 6.7mm X 75mm High Torque Screw Fully Threaded	2
72526780N	EVOS 6.7mm X 80mm High Torque Screw Fully Threaded	2
72526785N	EVOS 6.7mm X 85mm High Torque Screw Fully Threaded	2
72526790N	EVOS 6.7mm X 90mm High Torque Screw Fully Threaded	2
72526795N	EVOS 6.7mm X 95mm High Torque Screw Fully Threaded	2
72526800N	EVOS 6.7mm X 100mm High Torque Screw Fully Threaded	2
5.7mm Cannulated Locking		
72535720N	EVOS 5.7mm X 20mm Cannulated Locking Screw	2
72535725N	EVOS 5.7mm X 25mm Cannulated Locking Screw	2
72535730N	EVOS 5.7mm X 30mm Cannulated Locking Screw	2
72535732N	EVOS 5.7mm X 32mm Cannulated Locking Screw	2
72535734N	EVOS 5.7mm X 34mm Cannulated Locking Screw	2
72535736N	EVOS 5.7mm X 36mm Cannulated Locking Screw	2
72535738N	EVOS 5.7mm X 38mm Cannulated Locking Screw	2
72535740N	EVOS 5.7mm X 40mm Cannulated Locking Screw	2
72535742N	EVOS 5.7mm X 42mm Cannulated Locking Screw	2
72535744N	EVOS 5.7mm X 44mm Cannulated Locking Screw	2
72535746N	EVOS 5.7mm X 46mm Cannulated Locking Screw	2
72535748N	EVOS 5.7mm X 48mm Cannulated Locking Screw	2
72535750N	EVOS 5.7mm X 50mm Cannulated Locking Screw	2
72535755N	EVOS 5.7mm X 55mm Cannulated Locking Screw	4
72535760N	EVOS 5.7mm X 60mm Cannulated Locking Screw	4
72535765N	EVOS 5.7mm X 65mm Cannulated Locking Screw	4
72535770N	EVOS 5.7mm X 70mm Cannulated Locking Screw	4
72535775N	EVOS 5.7mm X 75mm Cannulated Locking Screw	4
72535780N	EVOS 5.7mm X 80mm Cannulated Locking Screw	4
72535785N	EVOS 5.7mm X 85mm Cannulated Locking Screw	4
72535790N	EVOS 5.7mm X 90mm Cannulated Locking Screw	4
72535795N	EVOS 5.7mm X 95mm Cannulated Locking Screw	4
72535800N	EVOS 5.7mm X 100mm Cannulated Locking Screw	4

3.5mm Cortex and Locking Screws		
72403510N	EVOS® 3.5mm X 10mm Cortex Screw Self-Tapping	4
72403512N	EVOS 3.5mm X 12mm Cortex Screw Self-Tapping	4
72403514N	EVOS 3.5mm X 14mm Cortex Screw Self-Tapping	4
72403516N	EVOS 3.5mm X 16mm Cortex Screw Self-Tapping	4
72403518N	EVOS 3.5mm X 18mm Cortex Screw Self-Tapping	4
72403520N	EVOS 3.5mm X 20mm Cortex Screw Self-Tapping	4
72403522N	EVOS 3.5mm X 22mm Cortex Screw Self-Tapping	4
72403524N	EVOS 3.5mm X 24mm Cortex Screw Self-Tapping	4
72403526N	EVOS 3.5mm X 26mm Cortex Screw Self-Tapping	4
72403528N	EVOS 3.5mm X 28mm Cortex Screw Self-Tapping	4
72403530N	EVOS 3.5mm X 30mm Cortex Screw Self-Tapping	4
72403532N	EVOS 3.5mm X 32mm Cortex Screw Self-Tapping	4
72403534N	EVOS 3.5mm X 34mm Cortex Screw Self-Tapping	4
72403536N	EVOS 3.5mm X 36mm Cortex Screw Self-Tapping	4
72403538N	EVOS 3.5mm X 38mm Cortex Screw Self-Tapping	4
72403540N	EVOS 3.5mm X 40mm Cortex Screw Self-Tapping	4
72403542N	EVOS 3.5mm X 42mm Cortex Screw Self-Tapping	2
72403544N	EVOS 3.5mm X 44mm Cortex Screw Self-Tapping	2
72403546N	EVOS 3.5mm X 46mm Cortex Screw Self-Tapping	2
72403548N	EVOS 3.5mm X 48mm Cortex Screw Self-Tapping	2
72403550N	EVOS 3.5mm X 50mm Cortex Screw Self-Tapping	2
72403555N	EVOS 3.5mm X 55mm Cortex Screw Self-Tapping	2
72403560N	EVOS 3.5mm X 60mm Cortex Screw Self-Tapping	2
72403565N	EVOS 3.5mm X 65mm Cortex Screw Self-Tapping	2
72403570N	EVOS 3.5mm X 70mm Cortex Screw Self-Tapping	2
72403575N	EVOS 3.5mm X 75mm Cortex Screw Self-Tapping	2
72403580N	EVOS 3.5mm X 80mm Cortex Screw Self-Tapping	2
72413510N	EVOS 3.5mm X 10mm Locking Screw Self Tapping	4
72413512N	EVOS 3.5mm X 12mm Locking Screw Self Tapping	4
72413514N	EVOS 3.5mm X 14mm Locking Screw Self Tapping	4
72413516N	EVOS 3.5mm X 16mm Locking Screw Self Tapping	4
72413518N	EVOS 3.5mm X 18mm Locking Screw Self Tapping	4
72413520N	EVOS 3.5mm X 20mm Locking Screw Self Tapping	4
72413522N	EVOS 3.5mm X 22mm Locking Screw Self Tapping	4
72413524N	EVOS 3.5mm X 24mm Locking Screw Self Tapping	4
72413526N	EVOS 3.5mm X 26mm Locking Screw Self Tapping	4
72413528N	EVOS 3.5mm X 28mm Locking Screw Self Tapping	4
72413530N	EVOS 3.5mm X 30mm Locking Screw Self Tapping	4
72413532N	EVOS 3.5mm X 32mm Locking Screw Self Tapping	4
72413534N	EVOS 3.5mm X 34mm Locking Screw Self Tapping	4
72413536N	EVOS 3.5mm X 36mm Locking Screw Self Tapping	4
72413538N	EVOS 3.5mm X 38mm Locking Screw Self Tapping	4
72413540N	EVOS 3.5mm X 40mm Locking Screw Self Tapping	4
72413542N	EVOS 3.5mm X 42mm Locking Screw Self Tapping	2
72413544N	EVOS 3.5mm X 44mm Locking Screw Self Tapping	2
72413546N	EVOS 3.5mm X 46mm Locking Screw Self Tapping	2
72413548N	EVOS 3.5mm X 48mm Locking Screw Self Tapping	2
72413550N	EVOS 3.5mm X 50mm Locking Screw Self Tapping	2
72413555N	EVOS 3.5mm X 55mm Locking Screw Self Tapping	2
72413560N	EVOS 3.5mm X 60mm Locking Screw Self Tapping	2
72413565N	EVOS 3.5mm X 65mm Locking Screw Self Tapping	2
72413570N	EVOS 3.5mm X 70mm Locking Screw Self Tapping	2
72413575N	EVOS 3.5mm X 75mm Locking Screw Self Tapping	2
72413580N	EVOS 3.5mm X 80mm Locking Screw Self Tapping	2

3.5mm Cortex and Locking Screws *continued*		
72413595*	EVOS® 3.5mm X 95mm Locking Screw	0
72413600*	EVOS 3.5mm X 100mm Locking Screw	0
72413605*	EVOS 3.5mm X 105mm Locking Screw	0
72413610*	EVOS 3.5mm X 110mm Locking Screw	0
72403595*	EVOS 3.5mmm X 95mm Cortex Screw	0
72403600*	EVOS 3.5mmm X 100mm Cortex Screw	0
72403605*	EVOS 3.5mmm X 105mm Cortex Screw	0
72403610*	EVOS 3.5mmm X 110mm Cortex Screw	0
72403615*	EVOS 3.5mmm X 115mm Cortex Screw	0
72403620*	EVOS 3.5mmm X 120mm Cortex Screw	0
72403625*	EVOS 3.5mmm X 125mm Cortex Screw	0
72403630*	EVOS 3.5mmm X 130mm Cortex Screw	0
72403635*	EVOS 3.5mmm X 135mm Cortex Screw	0
72403540*	EVOS 3.5mmm X 140mm Cortex Screw	0
72403545*	EVOS 3.5mmm X 145mm Cortex Screw	0
72403550*	EVOS 3.5mmm X 150mm Cortex Screw	0
71170733	EVOS LARGE 5.7mm Cannulated Screw Caddy Lid	1
71170732	EVOS LARGE 5.7mm Cannulated Screw Caddy	1
71170731	EVOS LARGE 4.5mm Cortex/ 6.7mm High Torque Screw Caddy Lid	1
71170730	EVOS LARGE 4.5mm Cortex/ 6.7mm High Torque Screw Caddy	1
71170755	EVOS LARGE 3.5mm Screw Caddy Lid	1
71170754	EVOS LARGE 3.5mm Screw Caddy	1
71170770	EVOS LARGE Locking Hole Insert Caddy	1
71170714	EVOS LARGE 4.5mm Locking/ 4.5mm Blunt TipScrew Caddy Lid	1
71170713	EVOS LARGE 4.5mm Locking/ 4.5mm Blunt TipScrew Caddy	1
71170768	EVOS LARGE Screw Tray	1
71170773	EVOS LARGE Lid	1

* Items available sterile only

Cat. Item	Description	Qty
EVOS Saddle and Post Set - 71410317		
71175652	EVOS 4.5mm Cable Saddle	10
71175680	EVOS 3.5mm Cable Saddle	10
71175688	EVOS 3.5mm Cable Post	5

Cat. Item	Description	Qty
EVOS Cable Set - 71410209		
72580000	EVOS Cable, Stainless Steel w/ Crimp	12

Cat. Item	Description	Qty
Large 6.5mm Cannulated Instrument Set -71410309		
71631186	Mini Connector	1
71175640	EVOS LARGE 3.2mm Locking Guide	4
71177744	EVOS LARGE TARGETER 3.2mm Locking Guide	4
71175641	EVOS LARGE 4.7mm Cannulated Driver Shaft w/ Hall-Jacobs	1
71175642	EVOS LARGE 4.7mm Hex Driver Shaft w/AO QC	1
71177746	4.7mm Targeter Cannulated Hex Driver w/ Hall-Jacobs	1
71175636	EVOS LARGE Cannulated Depth Gauge	1
71177665	EVOS LARGE TARGETER 4.7mm Hex Driver Shaft w/AO QC	1
71170724	EVOS LARGE 6.5mm Cannulated Screw Instrument and Implant Tray	1
71170773	EVOS LARGE Lid	1

Cat. Item	Description	Qty
Large 6.5mm Cannulated Disposable Set -71410309		
71175638	EVOS® LARGE 3.2mm X 300mm Guide Pin	6
71175639	EVOS LARGE 5.0mm Cannulated Drill w/ Hall-Jacobs	2
71177745	EVOS LARGE TARGETER 5.0mm Cannulated Drill w/ Hall-Jacobs	2
71177743	EVOS LARGE TARGETER 3.2mm X 350mm Guide Pin	6

Cat. Item	Description	Qty
Large 6.5mm Cannulated Screw Set -71410309		
72546540N	EVOS 6.5mm X 40mm Cannulated Screw	2
72546545N	EVOS 6.5mm X 45mm Cannulated Screw	2
72546550N	EVOS 6.5mm X 50mm Cannulated Screw	2
72546555N	EVOS 6.5mm X 55mm Cannulated Screw	2
72546560N	EVOS 6.5mm X 60mm Cannulated Screw	2
72546565N	EVOS 6.5mm X 65mm Cannulated Screw	2
72546570N	EVOS 6.5mm X 70mm Cannulated Screw	2
72546575N	EVOS 6.5mm X 75mm Cannulated Screw	2
72546580N	EVOS 6.5mm X 80mm Cannulated Screw	2
72546585N	EVOS 6.5mm X 85mm Cannulated Screw	2
72546590N	EVOS 6.5mm X 90mm Cannulated Screw	2
72546595N	EVOS 6.5mm X 95mm Cannulated Screw	2
72546600N	EVOS 6.5mm X 100mm Cannulated Screw	2
72546605N	EVOS 6.5mm X 105mm Cannulated Screw	2
72546610N	EVOS 6.5mm X 110mm Cannulated Screw	2
72546615N	EVOS 6.5mm X 115mm Cannulated Screw	2
72546620N	EVOS 6.5mm X 120mm Cannulated Screw	2
72546625N	EVOS 6.5mm X 125mm Cannulated Screw	2
72546630N	EVOS 6.5mm X 130mm Cannulated Screw	2
72556540N	EVOS 6.5mm X 40mm Cannulated Locking Screw	2
72556545N	EVOS 6.5mm X 45mm Cannulated Locking Screw	2
72556550N	EVOS 6.5mm X 50mm Cannulated Locking Screw	2
72556555N	EVOS 6.5mm X 55mm Cannulated Locking Screw	2
72556560N	EVOS 6.5mm X 60mm Cannulated Locking Screw	2
72556565N	EVOS 6.5mm X 65mm Cannulated Locking Screw	2
72556570N	EVOS 6.5mm X 70mm Cannulated Locking Screw	2
72556575N	EVOS 6.5mm X 75mm Cannulated Locking Screw	2
72556580N	EVOS 6.5mm X 80mm Cannulated Locking Screw	4
72556585N	EVOS 6.5mm X 85mm Cannulated Locking Screw	4
72556590N	EVOS 6.5mm X 90mm Cannulated Locking Screw	4
72556595N	EVOS 6.5mm X 95mm Cannulated Locking Screw	4
72556600N	EVOS 6.5mm X 100mm Cannulated Locking Screw	4
72556605N	EVOS 6.5mm X 105mm Cannulated Locking Screw	4
72556610N	EVOS 6.5mm X 110mm Cannulated Locking Screw	2
72556615N	EVOS 6.5mm X 115mm Cannulated Locking Screw	2
72556620N	EVOS 6.5mm X 120mm Cannulated Locking Screw	2
72556625N	EVOS 6.5mm X 125mm Cannulated Locking Screw	2
72556630N	EVOS 6.5mm X 130mm Cannulated Locking Screw	2
71170716	EVOS LARGE 6.5mm Cannulated Screw Caddy	1

Cat. Item	Description	Qty
EVOS® Advanced Reduction Set -71410316		
71170046	Self-Centering Forceps with SPEED Lock 240mm	1
71170050	Reduction Forceps 240mm, Spin Down	1
71170143	Socket Wrench with Universal Joint	1
71170145	Articulated Tension Device with Gauge	1
71170185	Volkman Bone Hook	1
71170195	Farabeuf Forceps 190mm	1
71170217	Reduction Forceps 170mm, Spin Down	1
71171210	Ball Spike Pusher	1
71171211	PERI-LOC® VLP Fibula Clamp	1
71171212	Ball Spike Reduction Clamp, Medium	1
71171213	Ball Spike Reduction Clamp, Large	1
71171220	PERI-LOC VLP 15mm Spiked Washer	2
71171221	PERI-LOC VLP 25mm Spiked Washer	2
71173370	Reduction Forceps with Rachet, Bowed, 205mm	1
71173377	Reduction Forceps with Points - Broad	2
71173544	Self-Centering Reverse Verbrugge 190mm	1
71173545	Self-Centering Reverse Verbrugge 240mm	1
71175082	Compression Device/Push Pull	1
71177759	Push Pull Adaptor Tip	1
71175084	Spin Reduction Forceps with Points - Broad	2
71175088	Spin Reduction Forceps - Bowed 205mm	1
71175034	Reduction Forceps with Points, Straight - Straight	1
71175035	Reduction Forceps with Points, Curved - Straight	1
71175036	Reduction Forceps with Points, Straight - Curved	1
71173306	Reduction Forceps for 3.5mm Screw	1
71170186	Shoulder Hook	1
71177692	Cannulated Spiked Pusher with Quick Connect	1
71075903	Wrench 16mm for Osteotomes	1
71170728	EVOS Advanced Reduction Instrument Tray	1
71170729	EVOS Advanced Reduction Instrument Tray Lid	1

Cat. Item	Description	Qty
EVOS LARGE Straight Plates Set - 71410320N		
72563008N	EVOS 4.5mm Locking Compression Plate 8h 135mm	1
72563010N	EVOS 4.5mm Locking Compression Plate 10h 168mm	1
72563012N	EVOS 4.5mm Locking Compression Plate 12H 201mm	1
72563014N	EVOS 4.5mm Locking Compression Plate 14h 234mm	1
72563016N	EVOS 4.5mm Locking Compression Plate 16h 267mm	1
72561007N	EVOS 4.5mm Narrow Non-Locking Compression Plate 7h 131mm	1
72561008N	EVOS 4.5mm Narrow Non-Locking Compression Plate 8h 149mm	1
72561009N	EVOS 4.5mm Narrow Non-Locking Compression Plate 9h 167mm	1
72561010N	EVOS 4.5mm Narrow Non-Locking Compression Plate 10h 185mm	1
72561011N	EVOS 4.5mm Narrow Non-Locking Compression Plate 11h 203mm	1
72562008N	EVOS 4.5mm Narrow Locking Compression Plate 8h 142mm	1
72562009N	EVOS 4.5mm Narrow Locking Compression Plate 9h 159mm	1
72562010N	EVOS 4.5mm Narrow Locking Compression Plate 10h 175mm	1
72562012N	EVOS 4.5mm Narrow Locking Compression Plate 12h 208mm	1
72562014N	EVOS 4.5mm Narrow Locking Compression Plate 14h 241mm	1
72564012N	EVOS 4.5mm Bowed Locking Compression Plate 12h 201mm	1
72564014N	EVOS 4.5mm Bowed Locking Compression Plate 14h 234mm	1
72564016N	EVOS 4.5mm Bowed Locking Compression Plate 16h 266mm	1
72564018N	EVOS 4.5mm Bowed Locking Compression Plate 18h 299mm	1
72581004N	EVOS 3.5mm/4.5mm Utility Plate 4h 147mm	1
72581006N	EVOS 3.5mm/4.5mm Utility Plate 6h 180mm	1
72581008N	EVOS 3.5mm/4.5mm Utility Plate 8h 213mm	1
72581010N	EVOS 3.5mm/4.5mm Utility Plate 10h 246mm	1
71170752	EVOS LARGE Straight Plate Tray	1
71170772	EVOS LARGE Slide Latch Tray Lid	1

Cat. Item	Description	Qty
EVOS® LARGE Proximal Humerus Set - 71410321N		
72571103N	EVOS 4.5mm Proximal Humerus Plate L 3h 92mm	1
72571105N	EVOS 4.5mm Proximal Humerus Plate L 5h 118mm	1
72571107N	EVOS 4.5mm Proximal Humerus Plate L 7h 144mm	1
72571109N	EVOS 4.5mm Proximal Humerus Plate L 9h 170mm	1
72571111N	EVOS 4.5mm Proximal Humerus Plate L 11h 196mm	1
72571113N	EVOS 4.5mm Proximal Humerus Plate L 13h 222mm	1
72571115N	EVOS 4.5mm Proximal Humerus Plate L 15h 248mm	1
72571203N	EVOS 4.5mm Proximal Humerus Plate R 3h 92mm	1
72571205N	EVOS 4.5mm Proximal Humerus Plate R 5h 118mm	1
72571207N	EVOS 4.5mm Proximal Humerus Plate R 7h 144mm	1
72571209N	EVOS 4.5mm Proximal Humerus Plate R 9h 170mm	1
72571211N	EVOS 4.5mm Proximal Humerus Plate R 11h 196mm	1
72571213N	EVOS 4.5mm Proximal Humerus Plate R 13h 222mm	1
7257-215N	EVOS 4.5mm Proximal Humerus Plate R 15h 248mm	1
71170734	EVOS LARGE Proximal Humerus Plate Tray	1
71170772	EVOS LARGE Slide Latch Tray Lid	1

Cat. Item	Description	Qty
EVOS LARGE Proximal Femur Set - 71410322N		
72572104N	EVOS 4.5mm Proximal Femur Plate 4h L 135mm	1
72572106N	EVOS 4.5mm Proximal Femur Plate 6h L 172mm	1
72572109N	EVOS 4.5mm Proximal Femur Plate 9h L 226mm	1
72572112N	EVOS 4.5mm Proximal Femur Plate 12h L 280mm	1
72572115N	EVOS 4.5mm Proximal Femur Plate 15h L 333mm	1
72572204N	EVOS 4.5mm Proximal Femur Plate 4h R 135mm	1
72572206N	EVOS 4.5mm Proximal Femur Plate 6h R 172mm	1
72572209N	EVOS 4.5mm Proximal Femur Plate 9h R 226mm	1
72572212N	EVOS 4.5mm Proximal Femur Plate 12h R 280mm	1
72572215N	EVOS 4.5m Proximal Femur Plate 15h R 333mm	1
71170736	EVOS LARGE Proximal Femur Plate Tray	1
71170772	EVOS LARGE Slide Latch Tray Lid	1

Cat. Item	Description	Qty
EVOS LARGE Distal Femur Set - 71410323N		
72574106N	EVOS 4.5mm Distal Femur Plate L 6h 143mm	1
72574109N	EVOS 4.5mm Distal Femur Plate L 9h 197mm	1
72574111N	EVOS 4.5mm Distal Femur Plate L 11h 233mm	1
72574113N	EVOS 4.5mm Distal Femur Plate L 13h 270mm	1
72574115N	EVOS 4.5mm Distal Femur Plate L 15h 306mm	1
72574117N	EVOS 4.5mm Distal Femur Plate L 17h 342mm	1
72574119N	EVOS 4.5mm Distal Femur Plate L 19h 378mm	1
72574206N	EVOS 4.5mm Distal Femur Plate R 6h 143mm	1
72574209N	EVOS 4.5mm Distal Femur Plate R 9h 197mm	1
72574211N	EVOS 4.5mm Distal Femur Plate R 11h 233mm	1
72574213N	EVOS 4.5mm Distal Femur Plate R 13h 270mm	1
72574215N	EVOS 4.5mm Distal Femur Plate R 15h 306mm	1
72574217N	EVOS 4.5mm Distal Femur Plate R 17h 342mm	1
72574219N	EVOS 4.5mm Distal Femur Plate R 19h 378mm	1
71170738	EVOS LARGE Distal Femur Plate Tray	1
71170772	EVOS LARGE Slide Latch Tray Lid	1

Cat. Item	Description	Qty
EVOS® LARGE Proximal Tibia Set -71410324N		
72575104N	EVOS 4.5mm Lateral Proximal Tibia Plate L 4h 97mm	1
72575106N	EVOS 4.5mm Lateral Proximal Tibia Plate L 6h 129mm	1
72575108N	EVOS 4.5mm Lateral Proximal Tibia Plate L 8h 161mm	1
72575111N	EVOS 4.5mm Lateral Proximal Tibia Plate L 11h 209mm	1
72575114N	EVOS 4.5mm Lateral Proximal Tibia Plate L 14h 257mm	1
72575204N	EVOS 4.5mm Lateral Proximal Tibia Plate R 4h 97mm	1
72575206N	EVOS 4.5mm Lateral Proximal Tibia Plate R 6h 129mm	1
72575208N	EVOS 4.5mm Lateral Proximal Tibia Plate R 8h 161mm	1
72575211N	EVOS 4.5mm Lateral Proximal Tibia Plate R 11h 209mm	1
72575214N	EVOS 4.5mm Lateral Proximal Tibia Plate R 14h 257mm	1
71170740	EVOS LARGE Lateral Proximal Tibia Plate Tray	1
71170772	EVOS LARGE Slide Latch Tray Lid	1

Cat. Item	Description	Qty
EVOS PERIPROSTHETIC Troch Set -71410325N		
72583101N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate L 1h 112mm	1
72583103N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate L 3h 148mm	1
72583106N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate L 6h 202mm	1
72583109N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate L 9h 257mm	1
72583201N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate R 1h 112mm	1
72583203N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate R 3h 148mm	1
72583206N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate R 6h 202mm	1
72583209N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate R 9h 257mm	1
72586101N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate L 1h 96mm	1
72586103N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate L 3h 132mm	1
72586106N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate L 6h 186mm	1
72586109N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate L 9h 241mm	1
72586201N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate R 1h 96mm	1
72586203N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate R 3h 132mm	1
72586206N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate R 6h 186mm	1
72586209N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate R 9h 241mm	1
71175671	EVOS PERIPROSTHETIC Trochanteric Hook Plate Impactor	1
71177678	EVOS PERIPROSTHETIC Trochanteric Hook Plate Impactor Base	1
71177506	EVOS LARGE Impactor Bracket	1
71170746	EVOS PERIPROSTHETIC Trochanteric Plate Tray	1
71170772	EVOS LARGE Slide Latch Tray Lid	1
EVOS LARGE Troch Hook Impactor Set -71410351N		
71175671	EVOS LARGE PERIPROSTHETIC Trochanteric Hook Plate Impactor	1
71177678	EVOS LARGE PERIPROSTHETIC Trochanteric Hook Impactor Base	1
71177506	EVOS LARGE Impactor Bracket	1

Cat. Item	Description	Qty
EVOS® PERIPROSTHETIC Proximal Femur Set -71410326N		
72586112N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate L 12h 295mm	1
72586114N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate L 14h 331mm	1
72586116N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Span Plate L 16h 367mm	1
72586118N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Span Plate L 18h 403mm	1
72586120N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Span Plate L 20h 440mm	1
72586212N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Span Plate R 12h 295mm	1
72586214N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Plate R 14h 331mm	1
72586216N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Span Plate R 16h 367mm	1
72586218N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Span Plate R 18h 403mm	1
72586220N	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Ring Span PlateR 20h 440mm	1
72582112N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Plate L 12h 257mm	1
72582114N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Plate L 14h 293mm	1
72582116N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Span Plate L 16h 329mm	1
72582118N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Span Plate L 18h 365mm	1
72582120N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Span Plate L 20h 400mm	1
72582212N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Plate R 12h 257mm	1
72582214N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Plate R 14h 293mm	1
72582216N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Span Plate R 16h 329mm	1
72582218N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Span Plate R 18h 365mm	1
72582220N	EVOS 3.5mm/4.5mm Periprosthetic Proximal Femur Span Plate R 20h 400mm	1
71170744	EVOS PERIPROSTHETIC Proximal Femur Plate Tray	1
71170773	EVOS LARGE Lid	1
EVOS PERIPROSTHETIC Distal Femur Set -71410327N		
72585114N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Plate L 14h 297mm	1
72585116N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate L 16h 333mm	1
72585118N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate L 18h 369mm	1
72585120N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate L 20h 405mm	1
72585214N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur PlateR 14h 297mm	1
72585216N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate R 16h 333mm	1
72585218N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate R 18h 369mm	1
72585220N	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate R 20h 405mm	1
71170750	EVOS PERIPROSTHETIC Distal Femur Plate Tray	1
71170772	EVOS LARGE Slide Latch Tray Lid	1

Cat. Item	Description	Qty
EVOS LARGE Medial Distal Femur Set -71410345N		
72573101	EVOS 3.5mm Medial Distal Femur Plate L 90mm	1
72573201	EVOS 3.5mm Medial Distal Femur Plate R 90mm	1
72573102	EVOS 3.5mm Condylar Medial Distal Femur Plate L 115mm	1
72573202	EVOS 3.5mm Condylar Medial Distal Femur Plate R 115mm	1

Cat. Item	Description	Qty
EVOS® LARGE Staight Outliers Set -71410352		
72563004	EVOS 4.5mm Locking Compression Plate 4h 69mm	1
72563006	EVOS 4.5mm Locking Compression Plate 6h 102mm	1
72563018	EVOS 4.5mm Locking Compression Plate 18h 300mm	1
72563020	EVOS 4.5mm Locking Compression Plate 20h 333mm	1
72561004	EVOS 4.5mm Narrow Non-Locking Compression Plate 4h 77mm	1
72561012	EVOS 4.5mm Narrow Non-Locking Compression Plate 12h 221mm	1
72561006	EVOS 4.5mm Narrow Non-Locking Compression Plate PLATE 6h 113mm	1
72562007	EVOS 4.5mm Narrow Non-Locking Compression Plate 7h 126mm	1
72561014	EVOS 4.5mm Narrow Non-Locking Compression Plate 14h 257mm	1
72564010	EVOS 4.5mm Bowed Locking Compression Plate 10h 168mm	1
72564020	EVOS 4.5mm Bowed Locking Compression Plate 20h 332mm	1
72581012	EVOS 3.5mm/4.5MM Utility Plate 12h 279mm	1
72581014	EVOS 3.5mm/4.5mm Utility Plate 14h 312mm	1
EVOS LARGE Proximal Femur Outliers Set -71410353		
72572102	EVOS 4.5mm Proximal Femur Plate 2h L 99mm	1
72572118	EVOS 4.5mm Proximal Femur Plate 18h L 387mm	1
72572202	EVOS 4.5mm Proximal Femur Plate 2h R 99mm	1
72572218	EVOS 4.5mm Proximal Femur Plate 18h R 387mm	1
EVOS LARGE Proximal Femur Outliers Set -71410354		
72574104	EVOS 4.5mm Distal Femur Plate L 4h 107mm	1
72574204	EVOS 4.5mm Distal Femur Plate R 4h 107mm	1
EVOS LARGE Proximal Tibia Outliers Set -71410355		
72575117	EVOS 4.5mm Lateral Proximal Tibia Plate L 17h 305mm	1
72575217	EVOS 4.5mm Lateral Proximal Tibia Plate R 17h 305mm	1
EVOS PERIPROSTHETIC Troch Hook Outliers Set -71410356		
72583112	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate L 12H 311mm	1
72583212	EVOS 3.5mm/4.5mm Periprosthetic Trochanteric Hook Plate R 12H 311mm	1
EVOS PERIPROSTHETIC Distal Femur Outliers Set -71410357		
72585122	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate L 22h 441mm	1
72585222	EVOS 3.5mm/4.5mm Periprosthetic Distal Femur Span Plate R 22h 441mm	1
EVOS LARGE Screw Outlier Set -71410358		
72514500	EVOS 4.5mm Locking Hole Insert	1
72504605	EVOS 4.5mm x 105mm Cortex Screw Self-Tapping	1
72504610	EVOS 4.5mm x 110mm Cortex Screw Self-Tapping	1
72504615	EVOS 4.5mm x115mm Cortex Screw Self-Tapping	1
72504620	EVOS 4.5mm x 120mm Cortex Screw Self-Tapping	1
72504625	EVOS 4.5mm x 125mm Cortex Screw Self-Tapping	1
72504630	EVOS 4.5mm x 130mm Cortex Screw Self-Tapping	1
72514605	EVOS 4.5mm x 105mm Locking Screw Self-Tapping	1
72514610	EVOS 4.5mm x 110mm Locking Screw Self-Tapping	1
72514615	EVOS 4.5mm x 115mm Locking Screw Self-Tapping	1
72514620	EVOS 4.5mm x 120mm Locking Screw Self-Tapping	1
72514625	EVOS 4.5mm x 125mm Locking Screw Self-Tapping	1
72514630	EVOS 4.5mm x 130mm Locking Screw Self-Tapping	1
72535805	EVOS 5.7mm x 105mm Cannulated Locking Screw	1
72535810	EVOS 5.7mm x 110mm Cannulated Locking Screw	1
72535815	EVOS 5.7mm x 115mm Cannulated Locking Screw	1
72535820	EVOS 5.7mm x 120mm Cannulated Locking Screw	1
72546535	EVOS 6.5mm x 35mm Cannulated Screw	1
72556535	EVOS 6.5mm x 35mm Cannulated Locking Screw	1
72526805	EVOS 6.7mm x 105mm High Torque Screw Fully Threaded	1
72526810	EVOS 6.7mm x 110mm High Torque Screw Fully Threaded	1

Notes

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1. Smith+Nephew 2020. EVOS Large Frag Lateral Proximal Tibia Plate Validation Lab. Internal Report. **2.** Smith+Nephew 2020. EVOS Large Frag Proximal Humerus Plate Validation Lab. Internal Report. **3.** Smith+Nephew 2019. EVOS Large Frag Medial Distal Femur Plate Validation Lab. Internal Report. **4.** Smith+Nephew 2020. EVOS Large Frag Straight Plate Validation Lab. Internal Report. **5.** Smith+Nephew 2020. EVOS Large Frag Peri-Prosthetic Proximal Femur Plate Validation Lab. Internal Report.