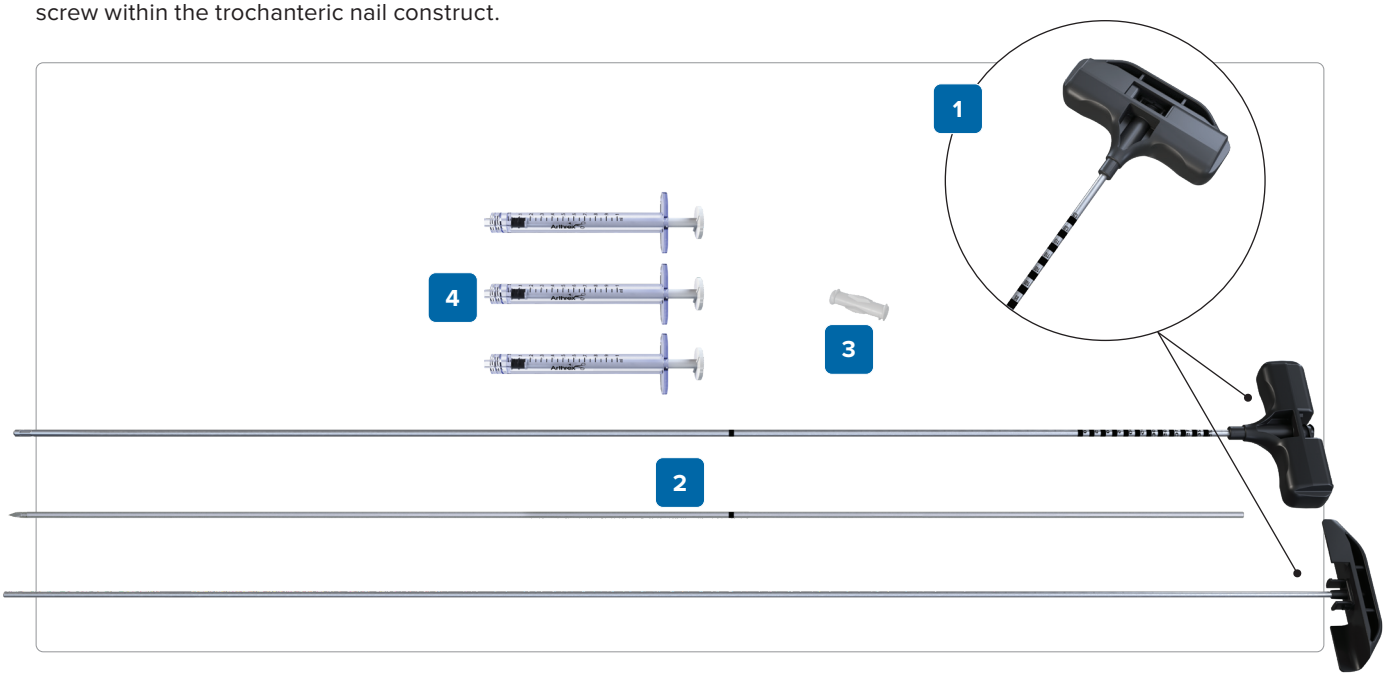
Arthrex Trochanteric Nail Augmentation System

Arthrex®

Trochanteric Nail Augmentation System

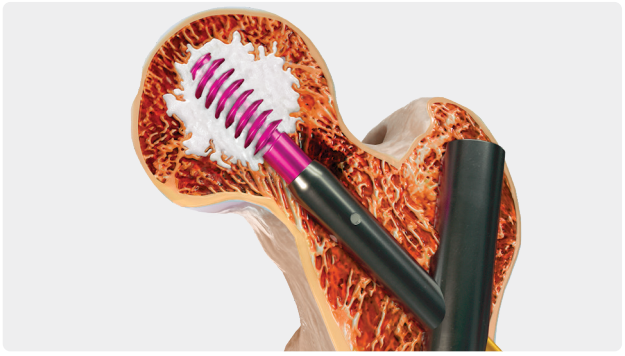
System Components (ABS-1094)

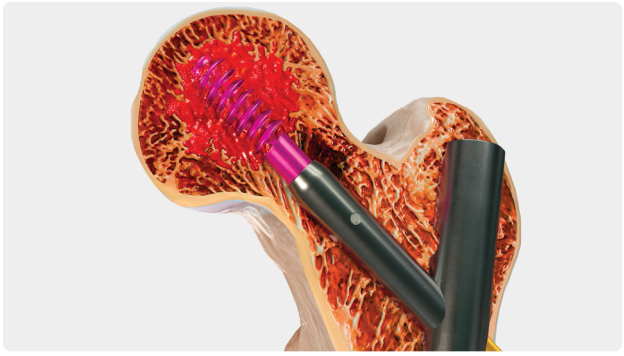
The Arthrex Trochanteric Nail Augmentation System enables streamlined delivery of any bone graft around the lag screw within the trochanteric nail construct.



Pic.	Qty.	Description
1	1	Delivery cannula, 3.2 mm
2	1	Guide pin, 3.2 mm
3	1	Female-to-female Luer
4	3	Syringe, 1 cc

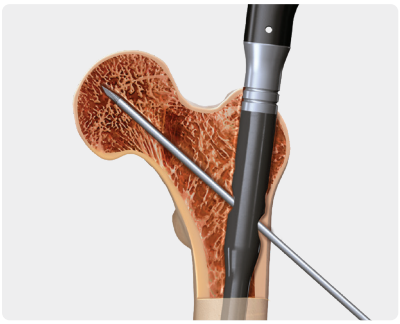
The system is able to deliver a variety of flowable bone grafts, such as allograft or synthetic bone void fillers.





Preoperative Planning

Before the case, it is important to determine whether bone graft augmentation will be used, to ensure that the longer guide pin from the augmentation kit is selected.

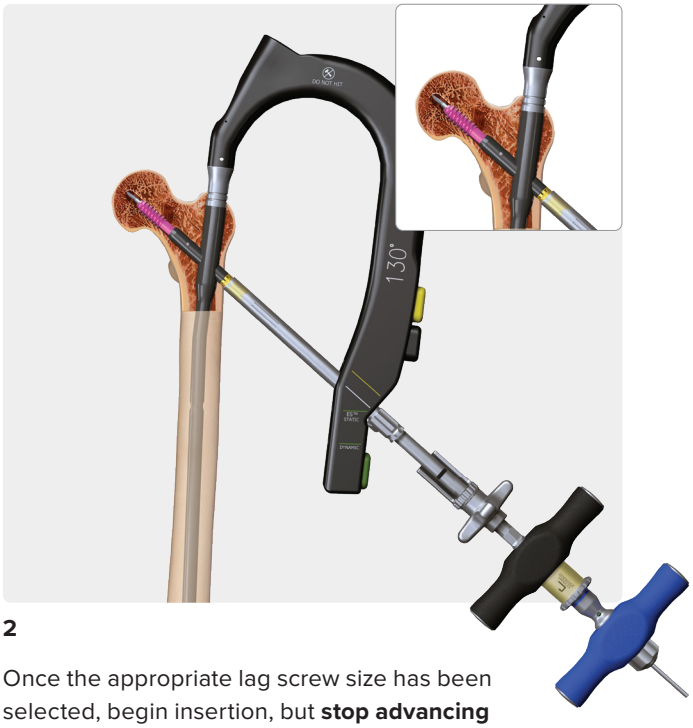


Surgical Technique

1

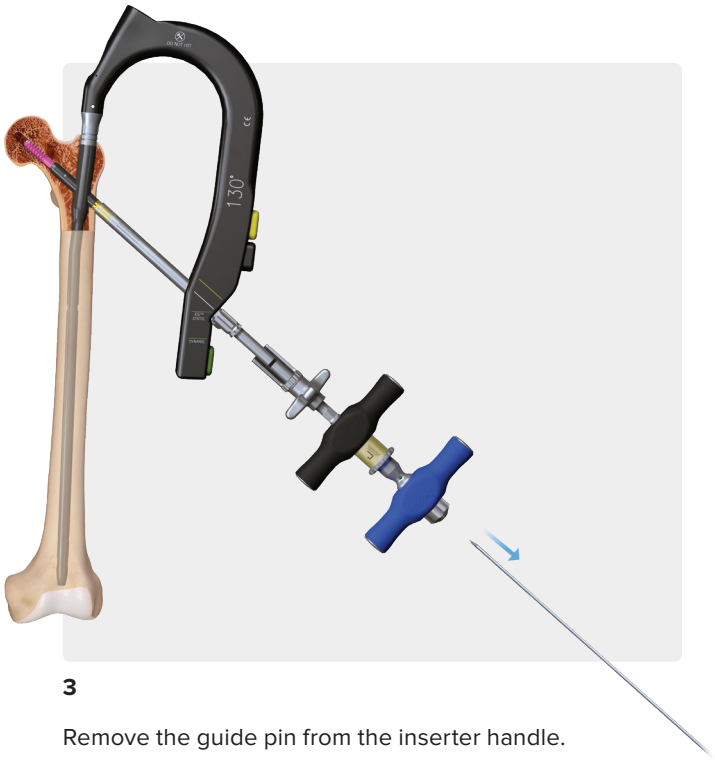
Following nail placement, the 3.2 mm guide pin from the augmentation system is inserted into the femoral head using a pin driver through the pin guide. Standard steps for measuring reaming depth and determining lag screw length are then followed, along with the usual reaming procedure.

> **Note:** After reaming, confirm that the 3.2 mm guide pin has not perforated the femoral head. **If perforation has occurred, do not proceed with augmentation, and complete the remaining procedural steps without the addition of biologics.**



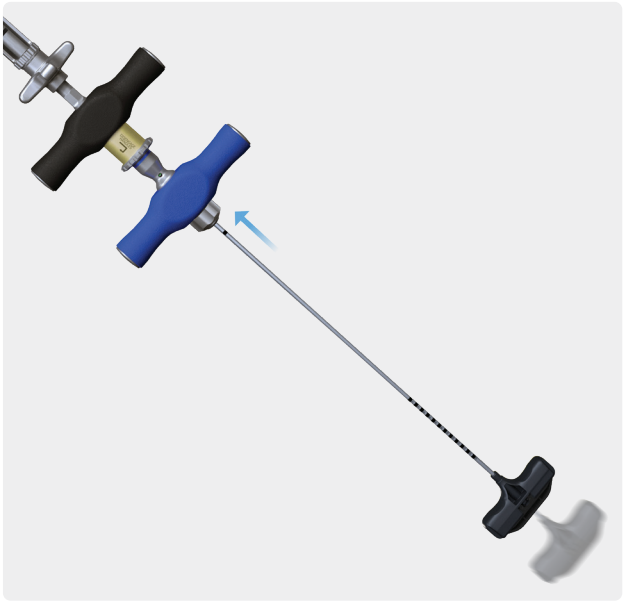
2

Once the appropriate lag screw size has been selected, begin insertion, but **stop advancing 10 mm before the final insertion point.**



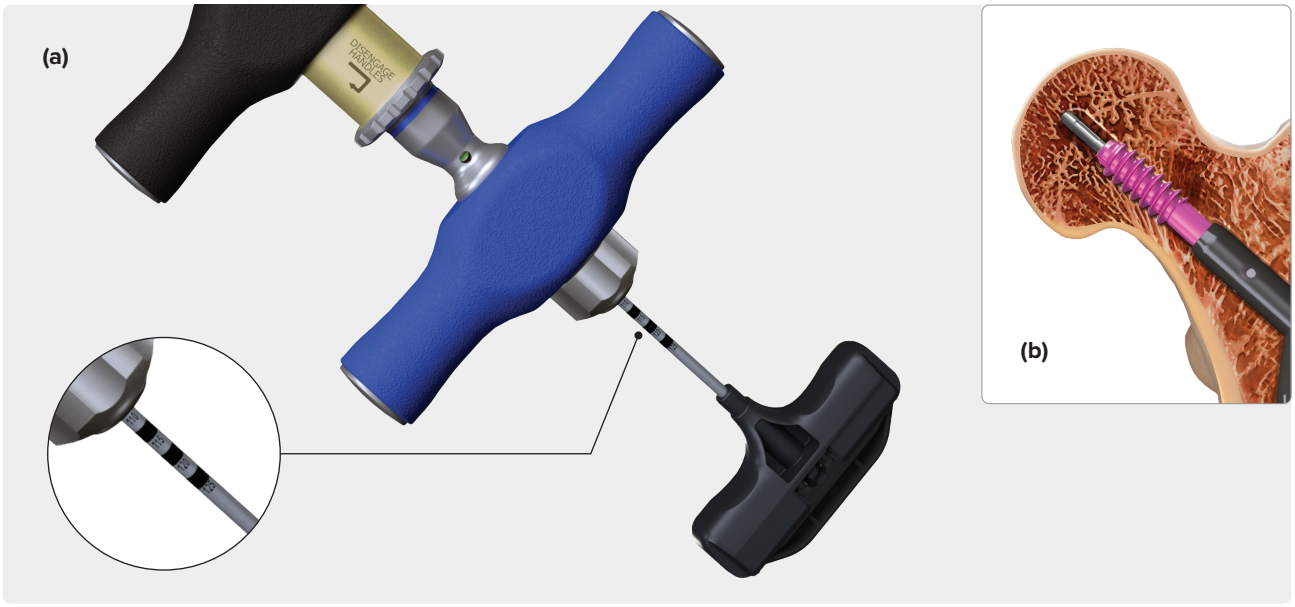
3

Remove the guide pin from the inserter handle.



4

Insert the delivery cannula though the blue handle.



5

Match the cannula measurement mark to the selected lag screw size **(a)**. This will determine the injection depth **(b)**, which is 10 mm past the tip of the lag screw. Therefore, the cannula tip will protrude 10 mm beyond the incompletely inserted lag screw. This position must be confirmed on fluoroscopy.

Example: If a 100 mm lag screw is selected, “100” mark on the delivery cannula should be seen at the top of the handle.

6

Remove the inner trocar from the delivery cannula.

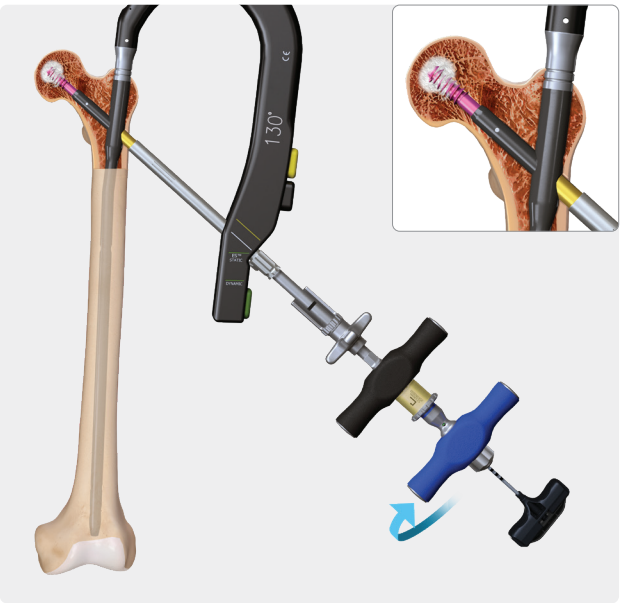
Note: Before proceeding with augmentation, it is essential to confirm that the femoral head has not been inadvertently perforated by the guidewire or cannula during the previous steps. If perforation of the femoral head has occurred, augmentation should not be completed.

7

Attach the 1 cc syringe containing the chosen bone graft and inject. Repeat with the remaining syringes, delivering all graft through the cannula.

8

Insert the inner trocar to deliver all the graft to the surrounding bone under fluoroscopic guidance. Fenestrations at the tip of the cannula ensure the graft is delivered uniformly around the entire periphery.



9

With the delivery cannula inside the inserter handle, advance the lag screw through the bone void filler until it reaches the appropriate tip-apex position. The bone void filler surrounds the screw threads and flows into the surrounding bone.

10

Complete the standard remaining steps for lag screw activation (optional), antirotation screw insertion (optional), and jig removal.

Ordering Information

Arthrex Trochanteric Nail Augmentation System	ABS-1094
Additional Products	
QuickSet™ cement, 5 cc	ABS-3005
QuickSet cement, 8 cc	ABS-3008
BoneSync™ calcium phosphate cement, 3 cc	ABS-3103
BoneSync calcium phosphate cement, 5 cc	ABS-3105
AlloSync™ Pure demineralized bone matrix, 1 cc	ABS-2010-01
AlloSync Pure demineralized bone matrix, 2.5 cc	ABS-2010-02

Products advertised in this brochure/surgical technique guide may not be available in all countries. For information on availability, please contact Arthrex Customer Service or your local Arthrex representative.

For additional product and ordering information for the Arthrex Trochanteric Nail Augmentation System, see LT1-000203-en-US or scan the QR code.

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience, and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.

Arthrex manufacturer, authorized representative, and importer information (Arthrex eIFUs)

US patent information

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