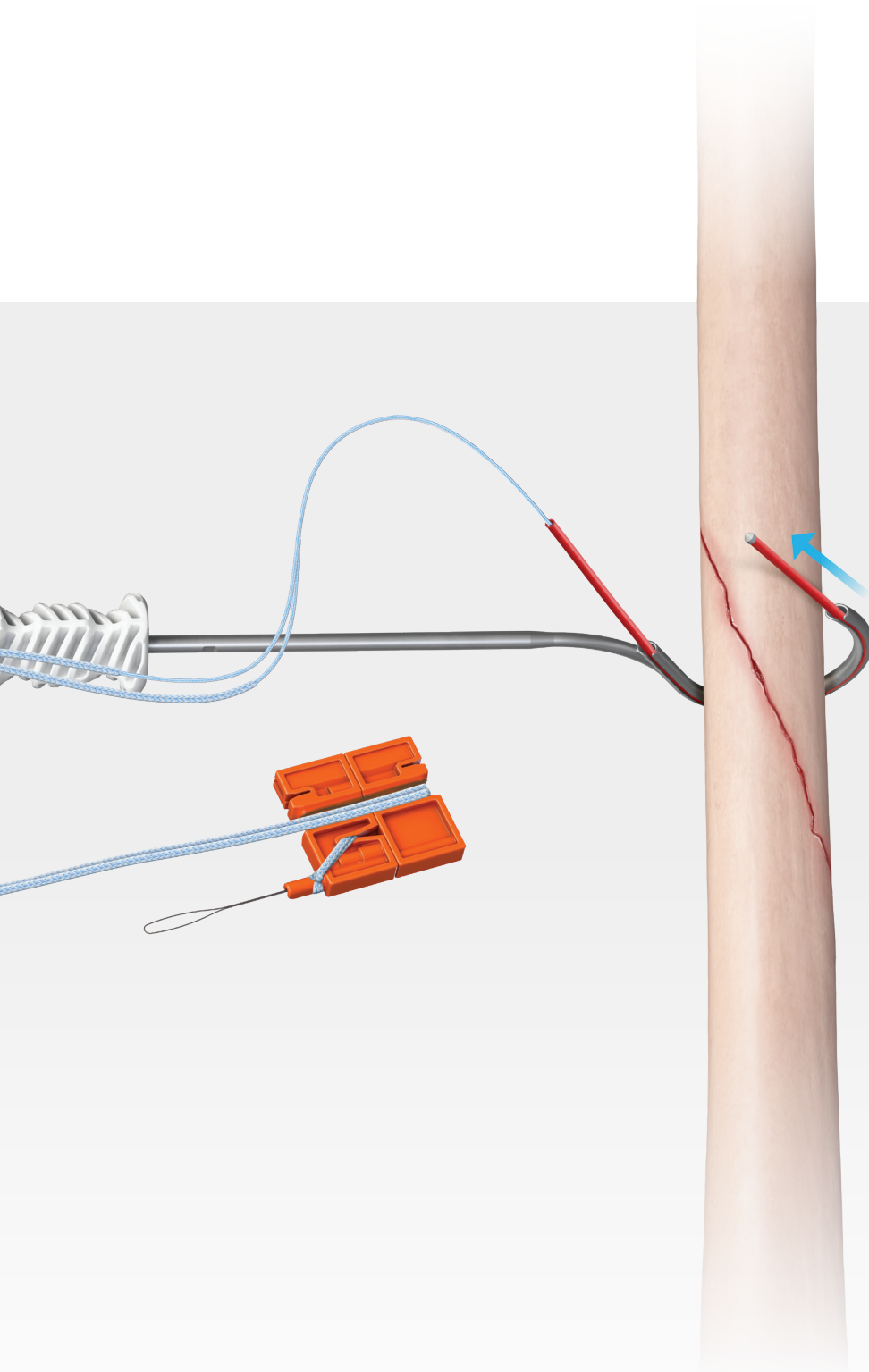


QuickPass™ FiberTape® Cerclage System

Surgical Technique



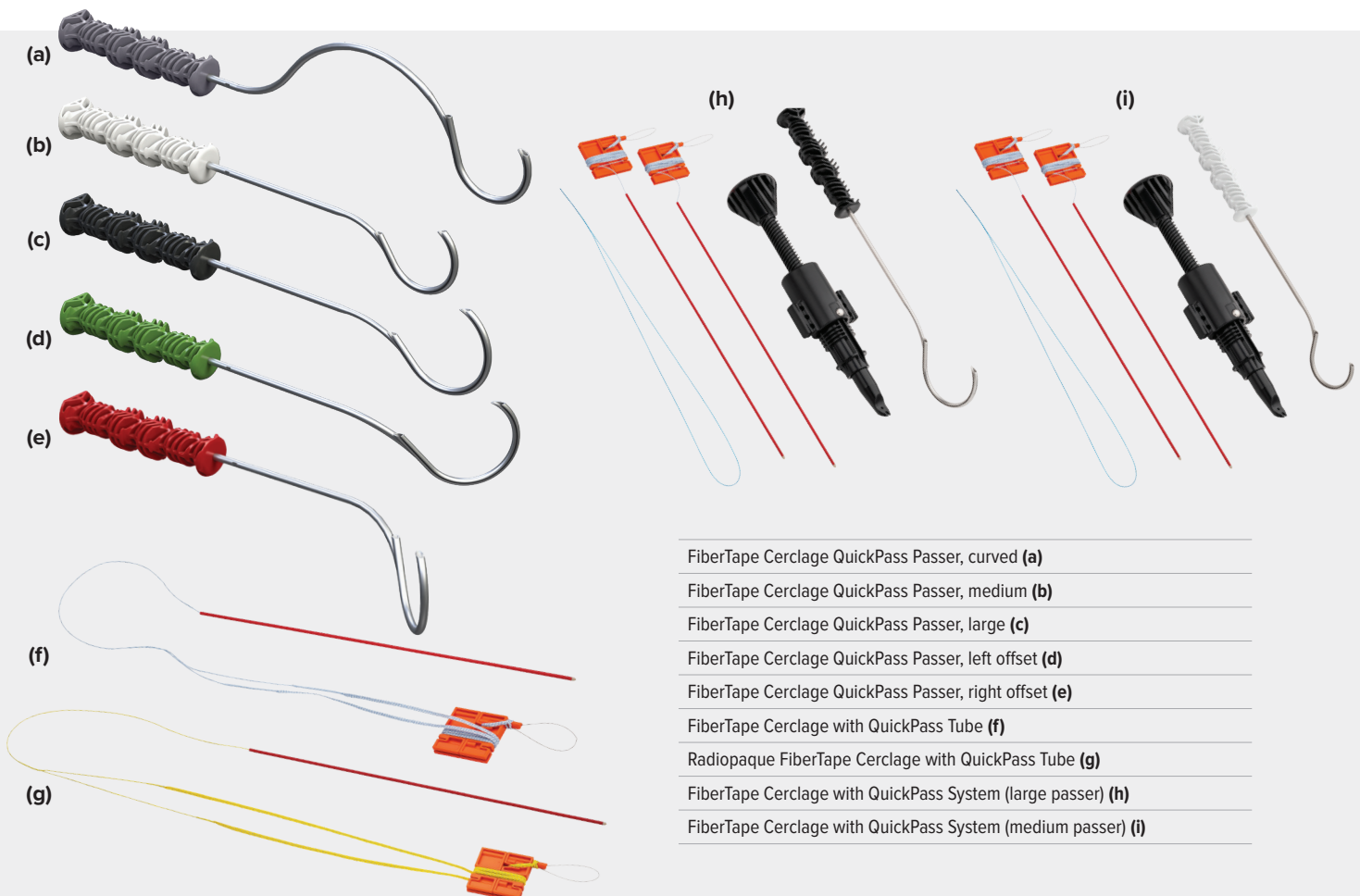
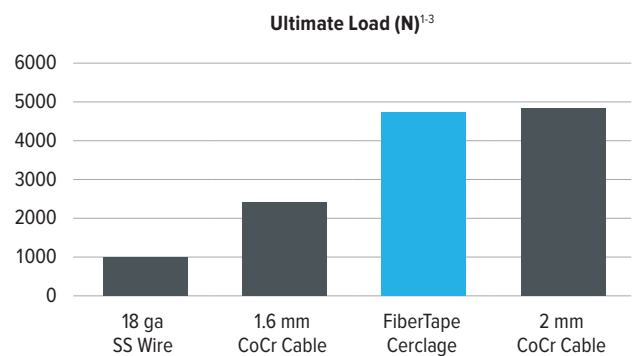
QuickPass™ FiberTape® Cerclage System

FiberTape Cerclage, composed of UHMWPE and polyester braid, is an all-suture alternative to the metal cables and wires traditionally used for circumferential fracture management in the upper and lower extremities.

The QuickPass FiberTape Cerclage system builds on the trusted performance of the original FiberTape Cerclage system by introducing unique instrumentation designed to make suture passage faster and more efficient. Implant options include either FiberTape or Radiopaque FiberTape Cerclage QuickPass tubes and cannulated, slotted FiberTape Cerclage QuickPass suture passers. The QuickPass tube used in conjunction with the cannulated, slotted hooks enables the suture to be passed around the bone twice, without the need for a separate shuttle suture.

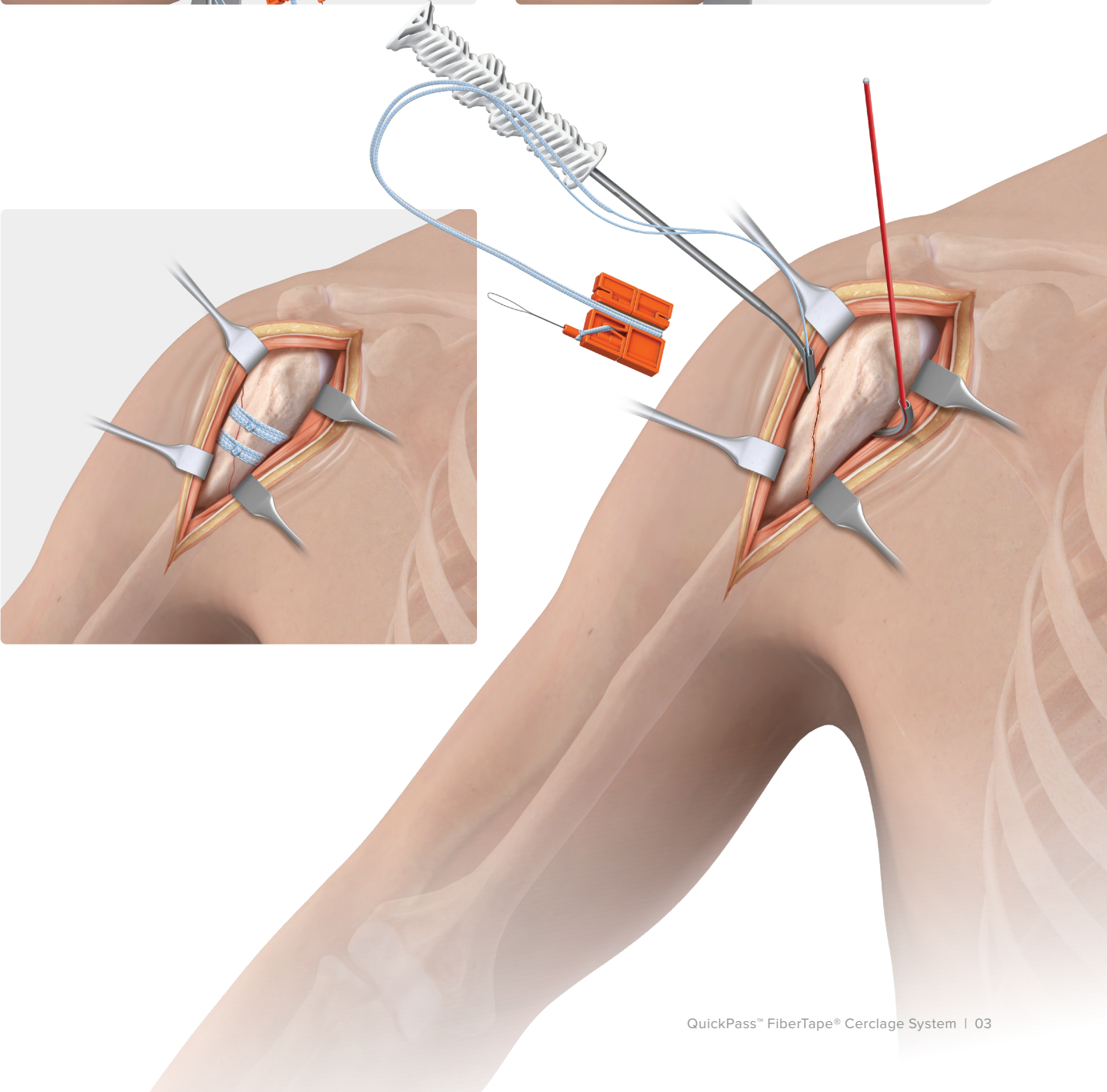
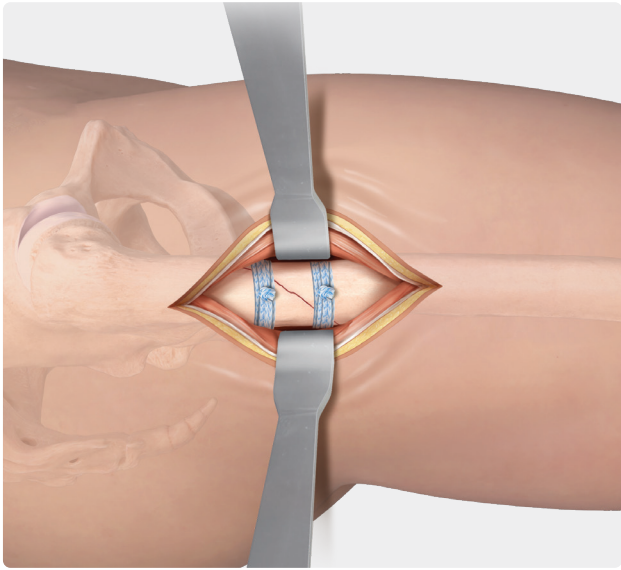
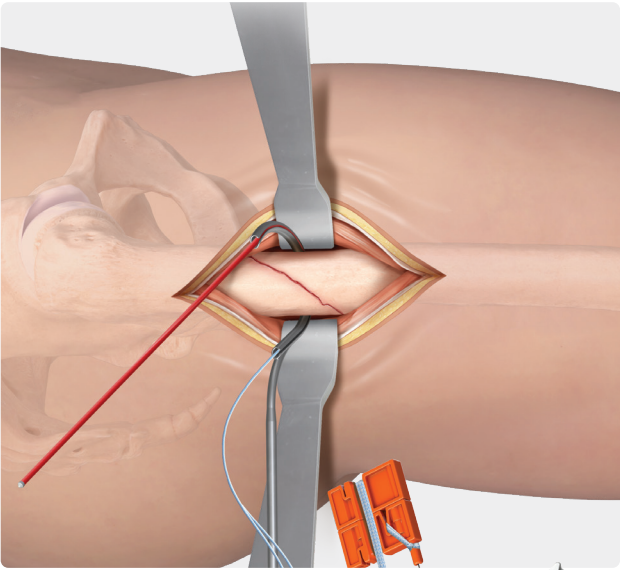
Advantages of Suture-Based Cerclage

- › Broad footprint compression
- › Low-profile construct
- › High ultimate-load strength
- › No sharp ends or broken wires that could potentially harm surgeons or patients
- › No concerns about metal mismatch with adjacent implants
- › No migration of metallic debris or risk of metallosis

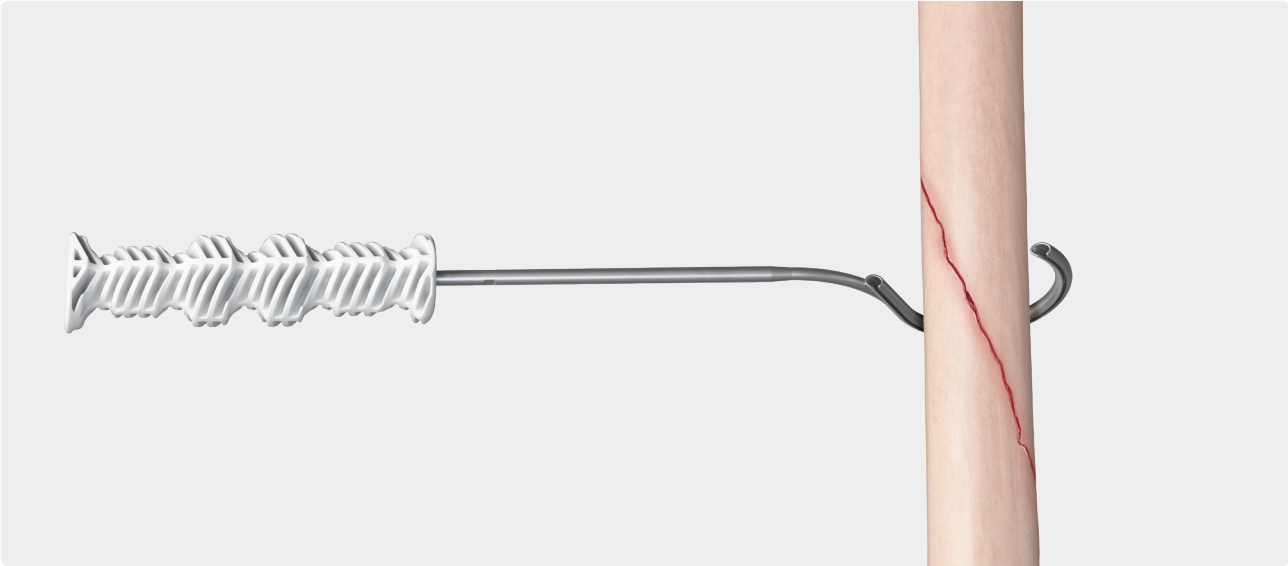


- FiberTape Cerclage QuickPass Passer, curved **(a)**
- FiberTape Cerclage QuickPass Passer, medium **(b)**
- FiberTape Cerclage QuickPass Passer, large **(c)**
- FiberTape Cerclage QuickPass Passer, left offset **(d)**
- FiberTape Cerclage QuickPass Passer, right offset **(e)**
- FiberTape Cerclage with QuickPass Tube **(f)**
- Radiopaque FiberTape Cerclage with QuickPass Tube **(g)**
- FiberTape Cerclage with QuickPass System (large passer) **(h)**
- FiberTape Cerclage with QuickPass System (medium passer) **(i)**

The QuickPass™ FiberTape® Cerclage system provides a simplified and quick technique for achieving all-suture cerclage fixation for long-bone fracture applications, including proximal humerus and femur fractures.

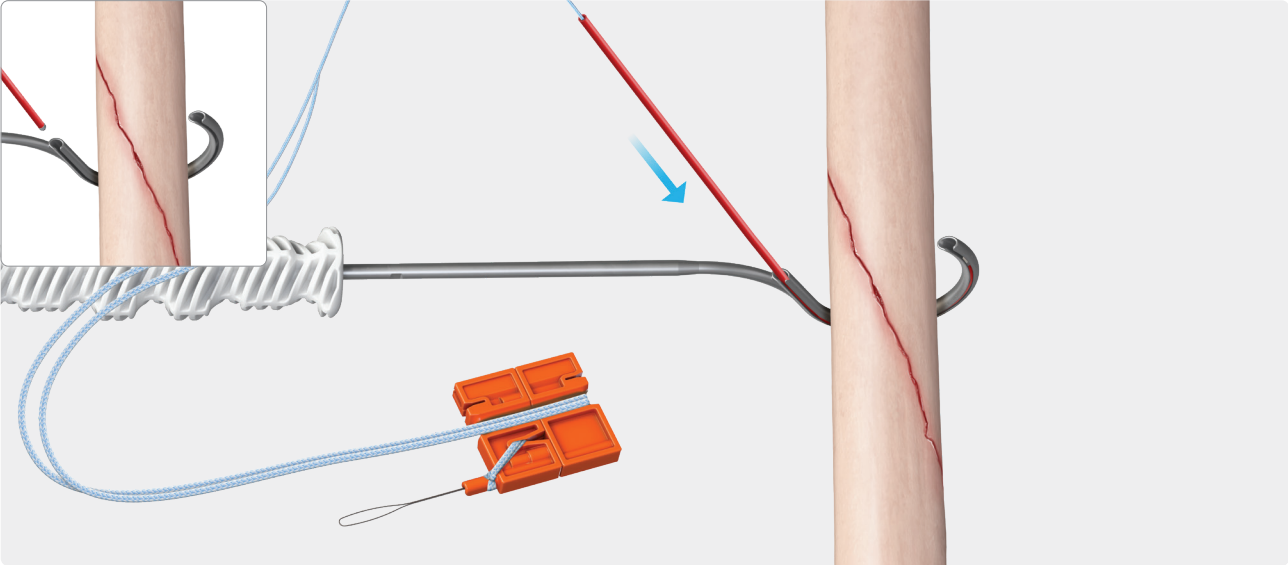


QuickPass™ FiberTape® Cerclage Surgical Technique



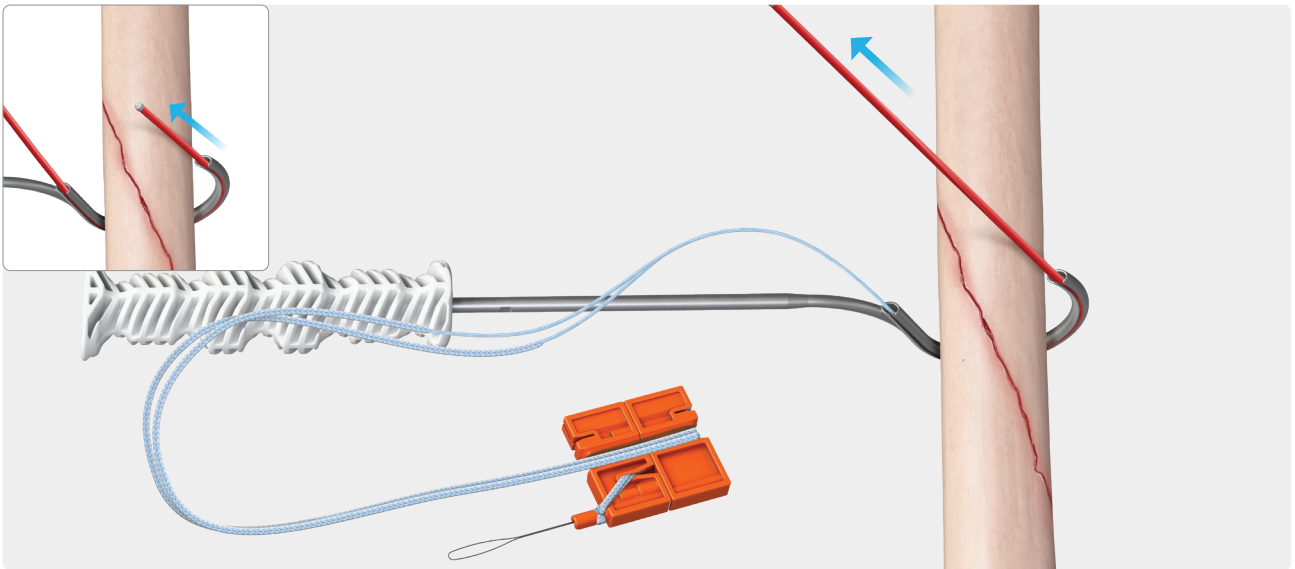
1

Choose the passing hook with the appropriate size and geometry and position it around the fracture site.



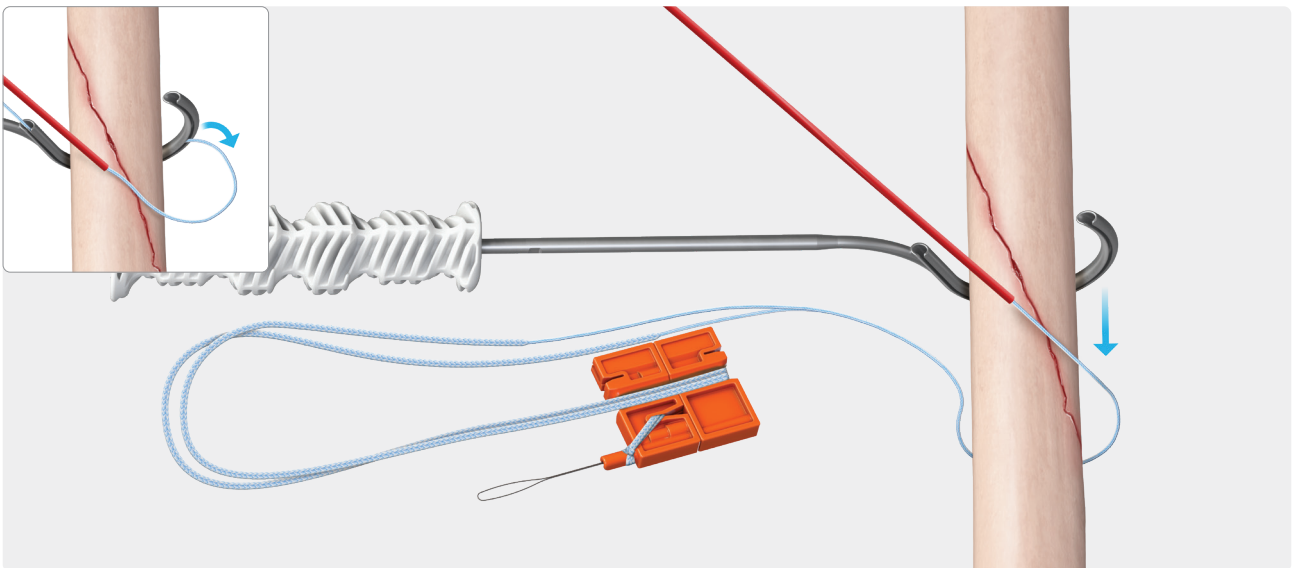
2

Insert the QuickPass tube through the cannulation and advance it through the hook.



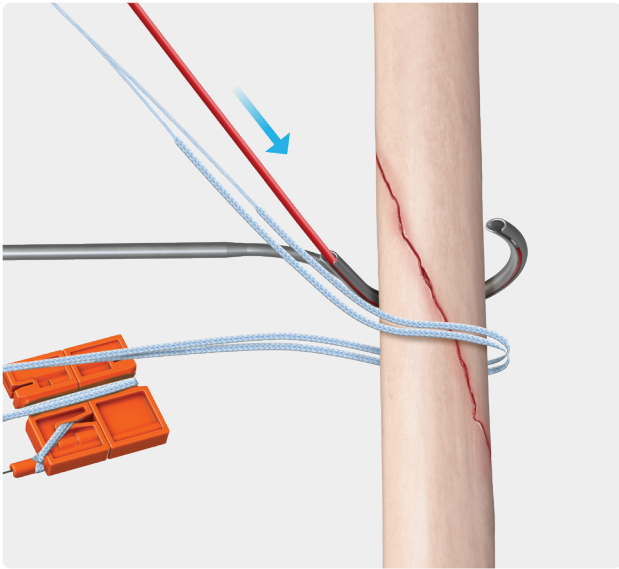
3

Fully remove the QuickPass™ tube from the distal end of the hook to complete the first pass of the FiberTape® Cerclage.

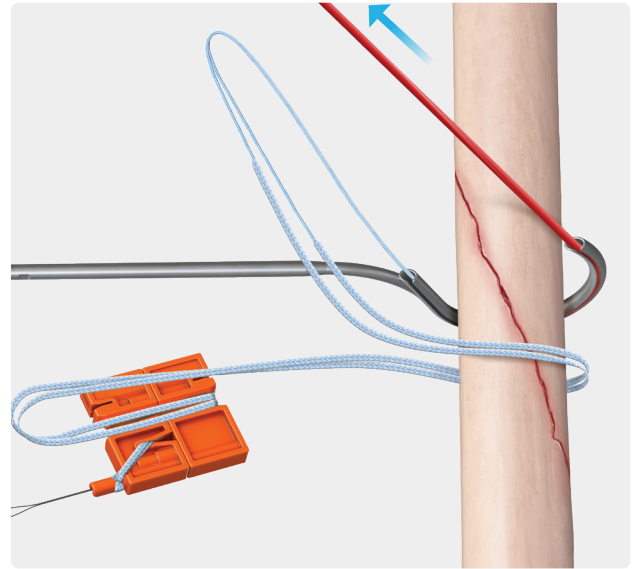


4

Remove the single strand portion of the FiberTape Cerclage suture from the slot of the passing hook. The FiberTape Cerclage is now ready for a second pass.

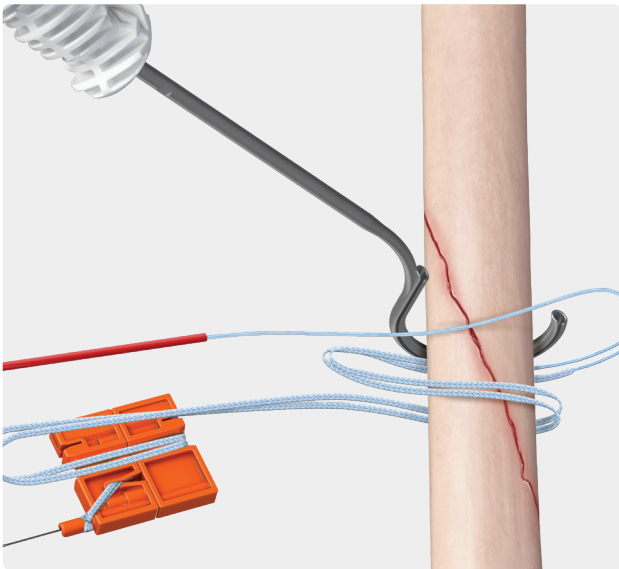


5a

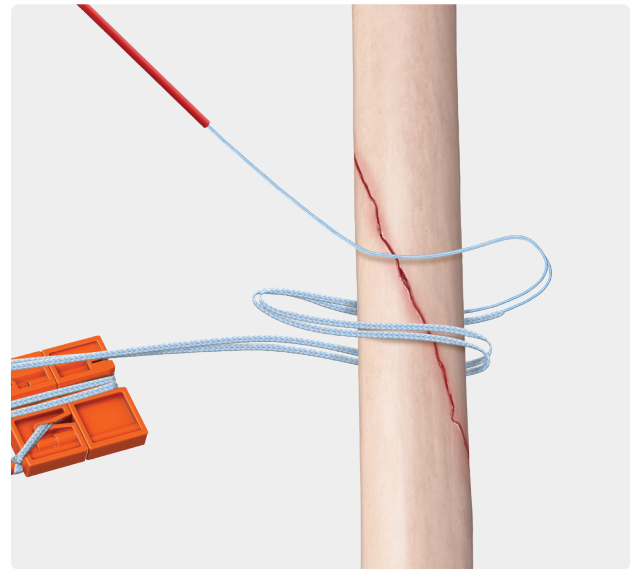


5b

For a second pass of the FiberTape® Cerclage suture, insert the QuickPass™ tube through the cannulated hook.

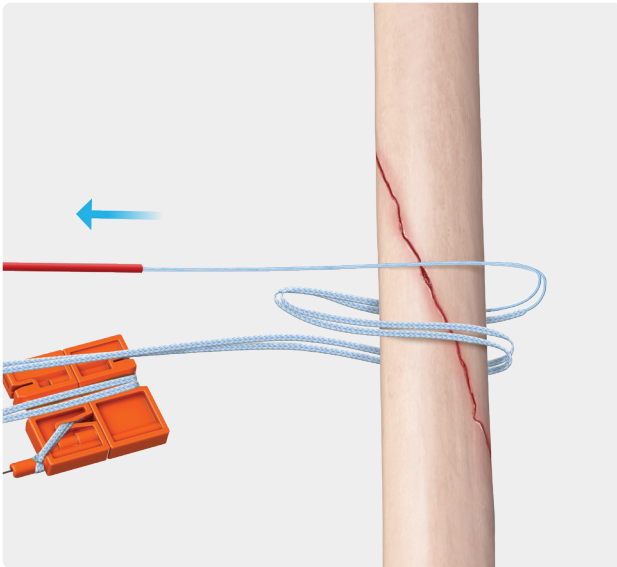


6a

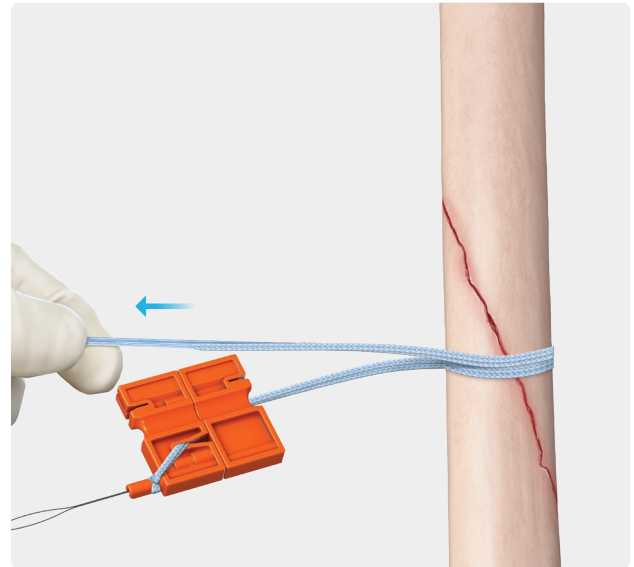


6b

Remove the FiberTape Cerclage, by the single-strand portion of the suture, from the slot of the hook and remove the hook from the bone.

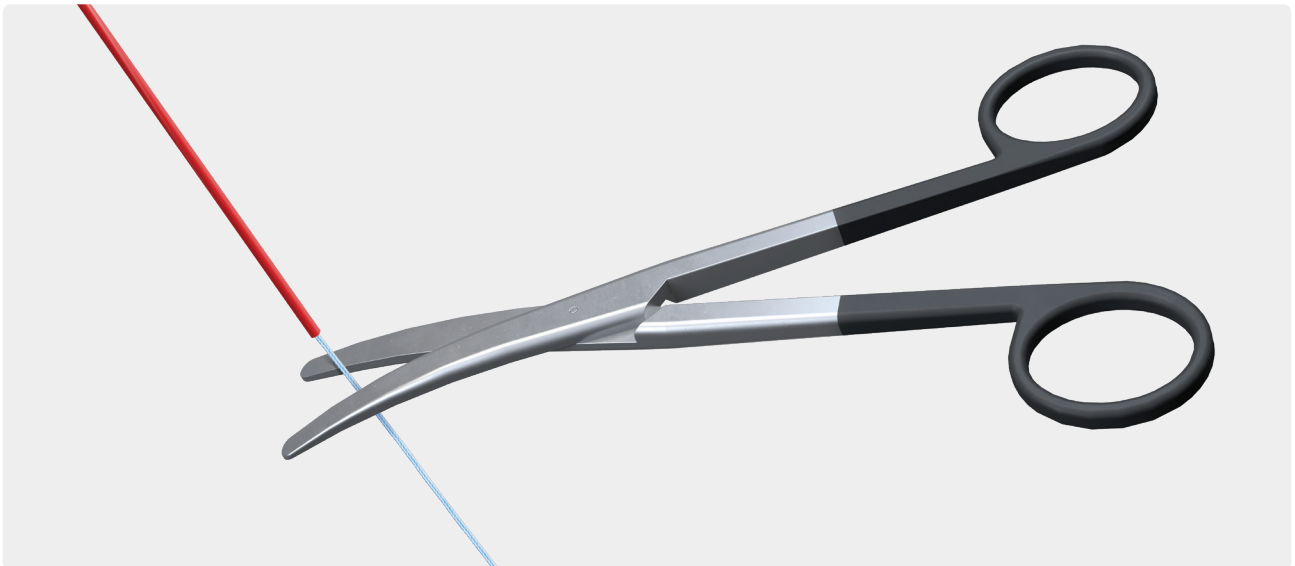


7a



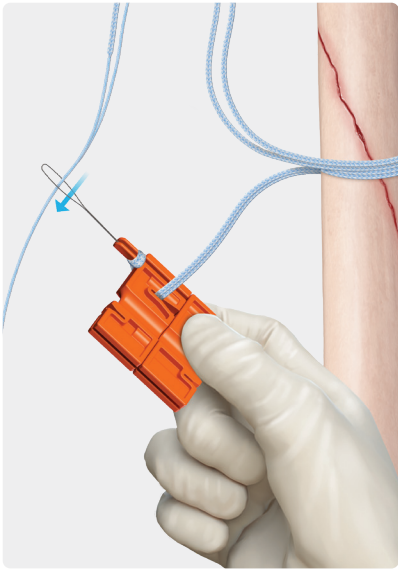
7b

Pull on the tail of the FiberTape® Cerclage suture to remove slack from around the bone and advance the loading device closer to the bone.

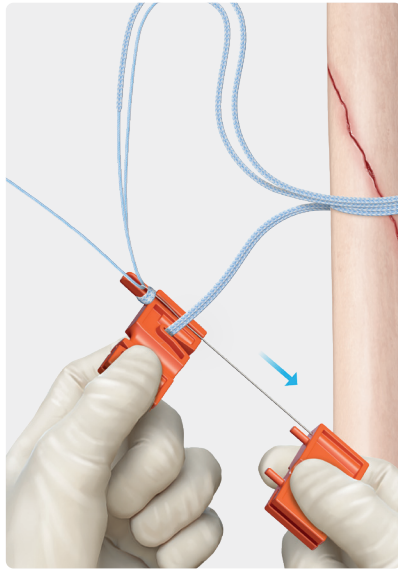


8

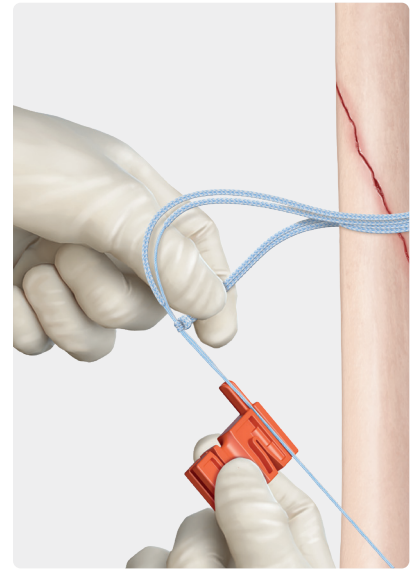
Cut the QuickPass™ tube from the FiberTape Cerclage suture.



9a

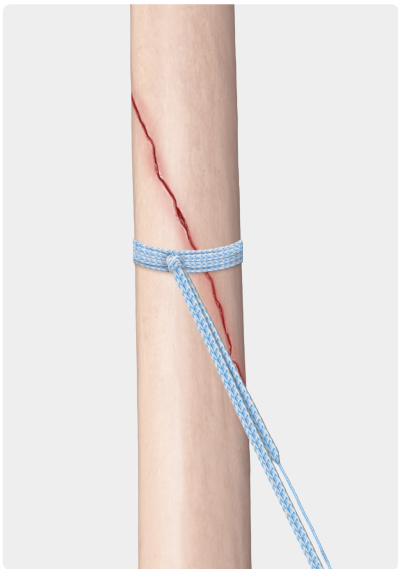


9b



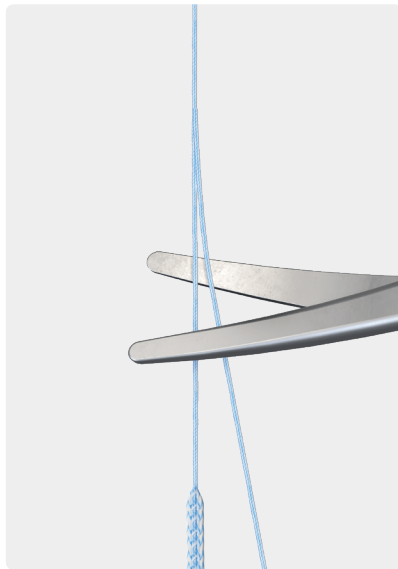
9c

Place approximately 2-3 inches of the tapered FiberTape® suture tail into the nitinol loop of the loading device. Separate the two tabs of the loading device, pulling the nitinol loop and the FiberTape suture tail through the preconverted knot. Uncleat the remaining suture and remove the knot from the loader.



10

Slide the knot down to the bone and tighten by hand to remove the gross slack from the cerclage loops. Position the knot so that it does not interfere with the placement of other implants (eg, plates and/or strut grafts) that may be used.



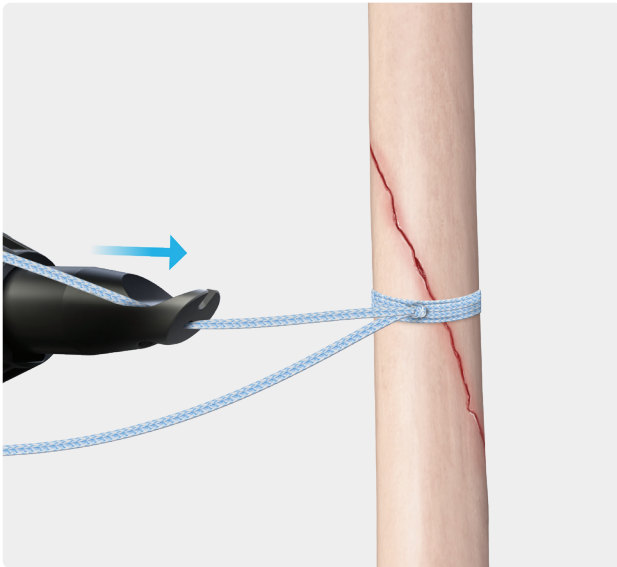
11

Cut the FiberTape Cerclage near the swaged part of the suture to separate the two limbs.

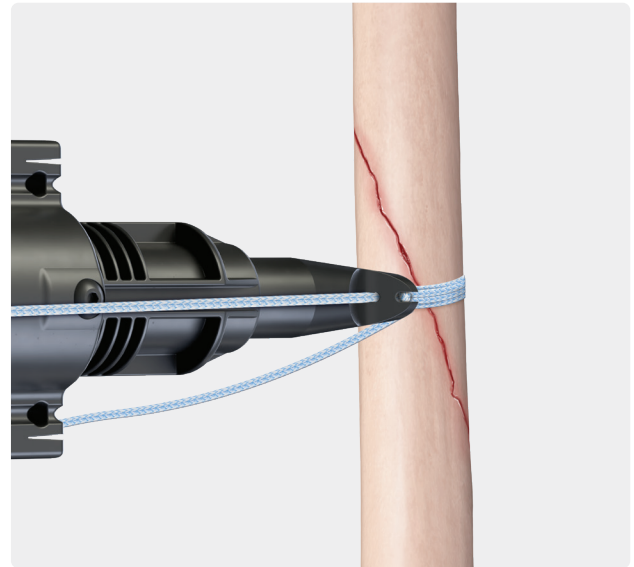


12

Insert one cerclage suture limb through the bottom hole at the distal end of the tensioner.

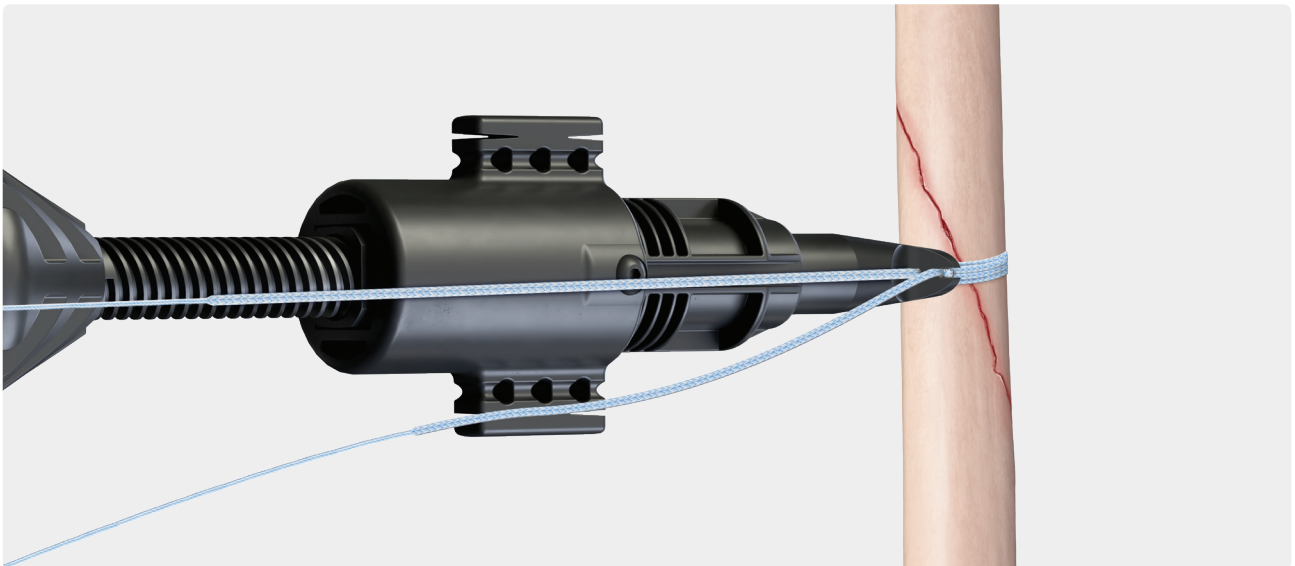


13a



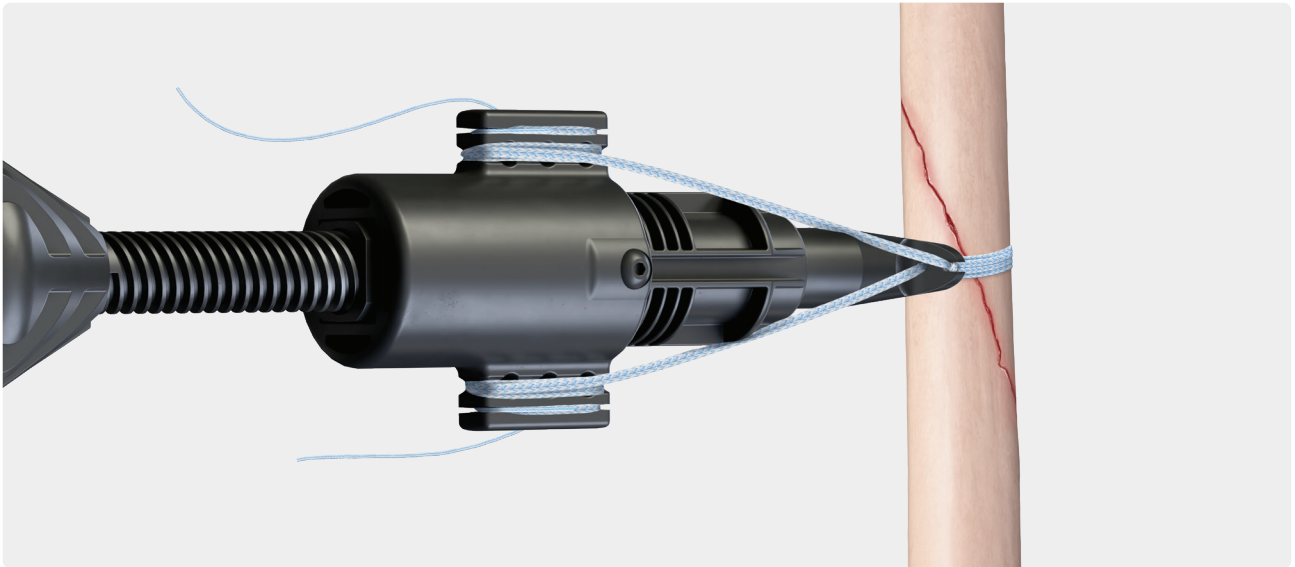
13b

Slide the tensioner down to the knot of the FiberTape® suture.



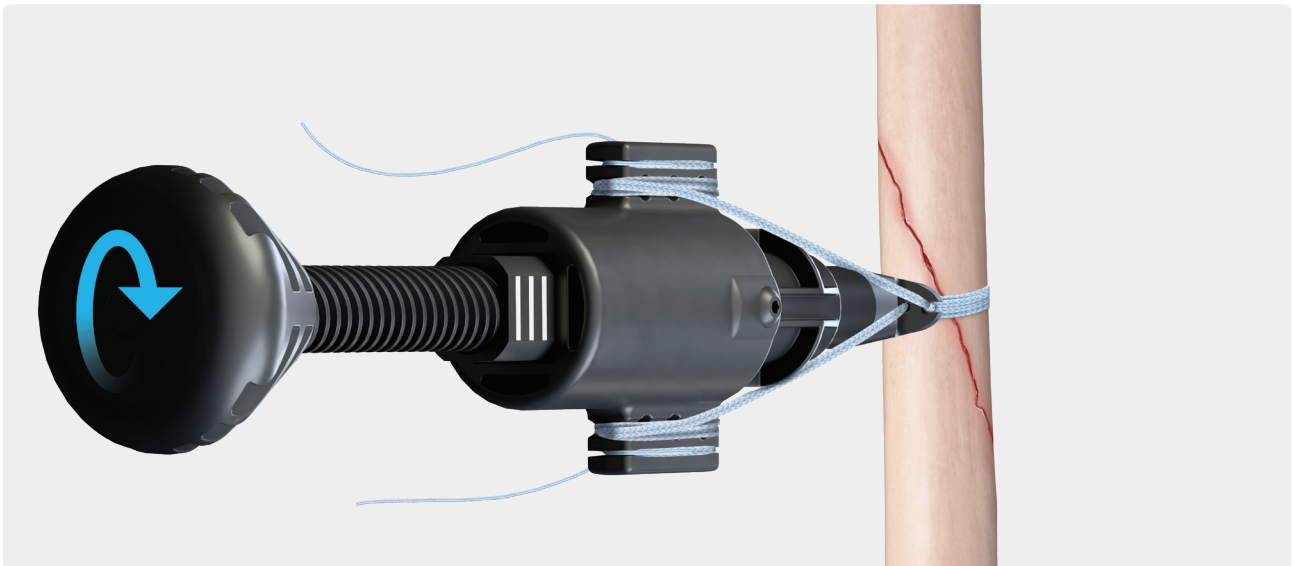
14

With the tensioner secure against the knot, place the other suture limb into the top slot at the distal end of the tensioner.



15

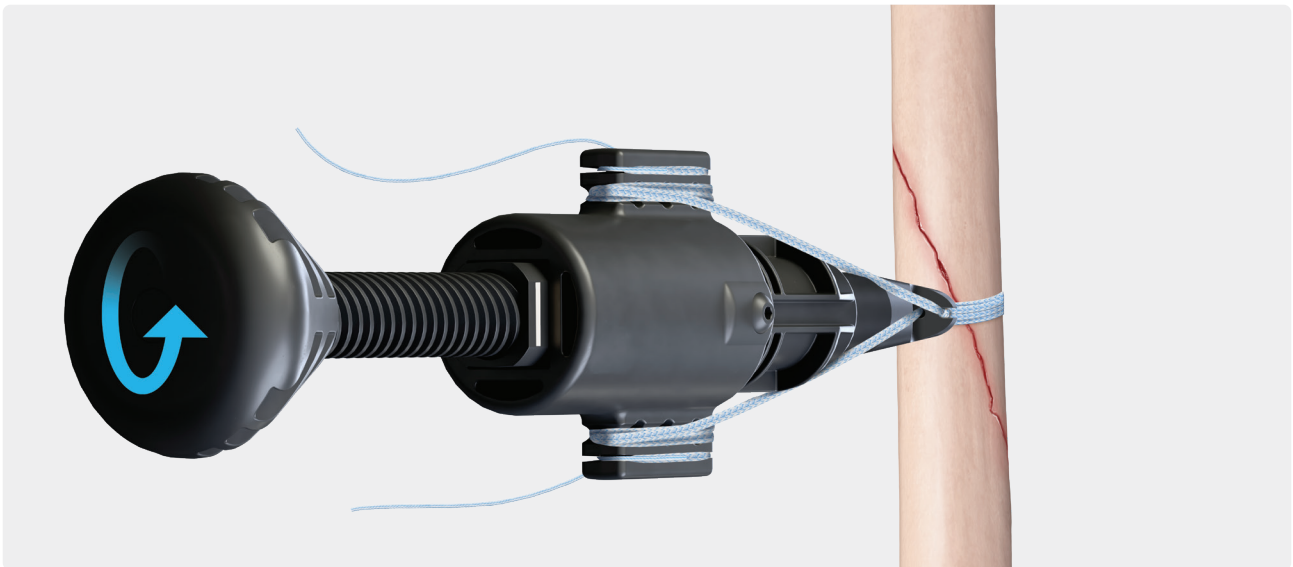
Pulling tight on one of the suture limbs, wrap it around the main body of the suture wing on either side of the tensioner (making at least one full pass around the suture wing). Then wrap the suture limb around the cleated portion of the suture wing to lock it in place. Repeat this step with the other suture limb on the opposite side of the tensioner.



16

While holding the tensioner body with one hand, turn the handle clockwise to tension the FiberTape® suture. Tension until slack is removed from the suture loops and the desired amount of compression is achieved.

Note: Gauge lines exist to provide a reference and aid in applying a consistent amount of tension when multiple cerclages are used. Caution should be taken to avoid overtensioning and going beyond the fourth gauge line. When the fourth gauge line is reached, the tensioner's spring is nearing its maximum compression.



17

Turn the handle counterclockwise and unwrap the suture limbs to remove the tensioner. Tie one half-hitch knot to secure the cerclage construct. Place additional cerclage constructs if necessary by following the previous steps.



18

After initial tensioning and tying the first half-hitch knot, each cerclage can be retensioned, if necessary, until the desired amount of compression is achieved. Tie two alternating half-hitch knots to complete each cerclage construct and cut the remaining suture limbs.

Ordering Information

FiberTape® Cerclage with QuickPass™ Tube	AR-7269
Radiopaque FiberTape Cerclage with QuickPass Tube	AR-7269R
FiberTape Cerclage with QuickPass System (medium passer)	AR-7820HF
FiberTape Cerclage with QuickPass System (large passer)	AR-7820FF
FiberTape Cerclage QuickPass Passer, medium	AR-7841
FiberTape Cerclage QuickPass Passer, large	AR-7842
FiberTape Cerclage QuickPass Passer, curved	AR-7843
FiberTape Cerclage QuickPass Passer, right offset	AR-7844R
FiberTape Cerclage QuickPass Passer, left offset	AR-7844L
FiberTape Cerclage Disposable Tensioner	AR-7820
FiberTape Cerclage Reusable Tensioner	AR-7800
FiberTape Cerclage Reusable Tensioner Handle	AR-7801

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.

References

1. Arthrex, Inc. Data on file (APT 3197). Naples, FL; 2017.
2. Arthrex, Inc. Data on file (APT 04426). Naples, FL; 2019.
3. Arthrex, Inc. Data on file (APT 4577). Naples FL; 2020.

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 eFUs)



US patent information