

TwinLoop FLEX®

Surgical Technique Guide



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The TwinLoop FLEX Instrumentation System is designed to provide easy access along the glenoid rim during arthroscopic instability repair. Paired with Stryker's TwinLoop anchors, the flexible instrumentation is an excellent solution for surgeons who desire simplification of instability repair.

The TwinLoop FLEX Instrumentation System boasts five different drill guides, which allows for a customized solution to approaching instability repair. All five drill guides follow the same stepwise process for use.

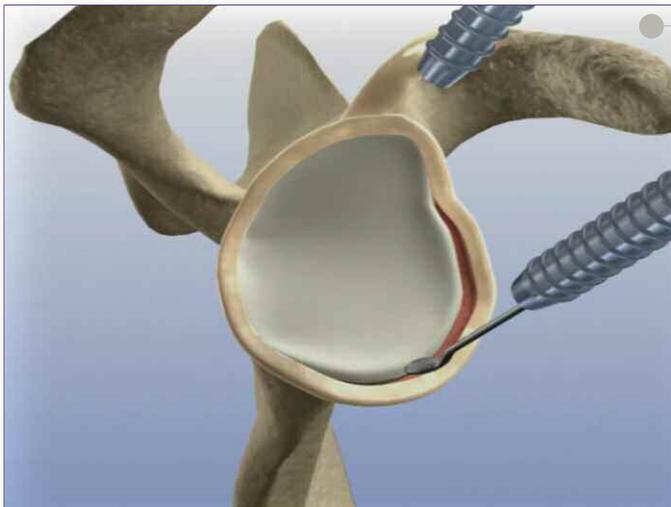


Figure 1

1. Arthroscopic visualization and documentation of the labrum is preferred. In the case of a soft ALPSA or anterior Bankart lesion, the tissue to be repaired is identified. Prepare the glenoid rim in the standard fashion.



Figure 2

2. The 12° guide is selected. The 12° guide is passed through a minimum of an 8mm cannula, in conjunction with the Bullet Tip Obturator. If so desired, the surgeon may place the 12° or 25° guide percutaneously with the Trocar Tip Obturator. After entering the joint space, remove the obturator from the guide.

Position the tip of the TwinLoop FLEX guide on the bone such that the fish mouth firmly engages the bone surface.

Procedure Pearls: Firmly engage the fish mouth prior to proceeding, and pay careful attention to preventing guide handle movement.

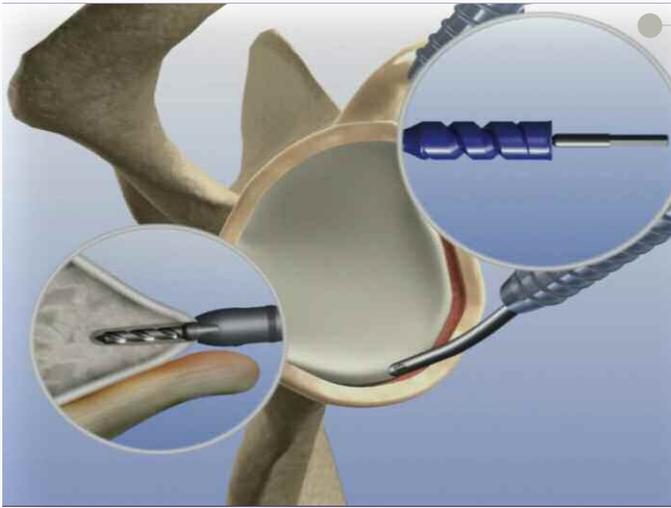


Figure 3

3. Place the flexible drill down the guide to the cortical surface of the bone. Careful attention must be paid to stabilizing the guide while advancing the TwinLoop FLEX Drill. Run the drill in the forward direction until the proximal step is flush with the drill guide handle.

Procedure Pearls: Transfer the TwinLoop FLEX inserter assembly into the surgical field using sterile technique prior to drilling the pilot hole.

Procedure Pearls: Make sure to minimize changes to the angle of the guide shaft in any plane. It may be beneficial to have a surgical assistant operate the drill while the surgeon stabilizes the guide or vice versa.

Once the pilot hole is created, do not allow the fish mouth to move with respect to the bone surface, or the angle of the guide shaft to be changed.

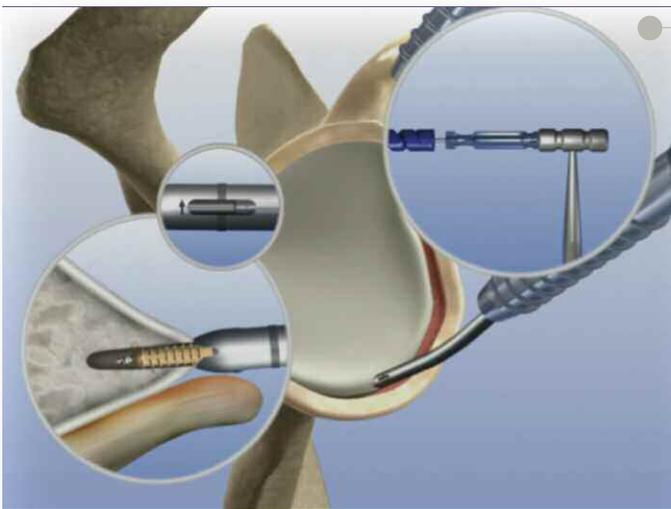


Figure 4a

4. Place the inserter down the guide and align it with the prepared pilot hole. The vertical line on the inserter shaft indicates suture orientation. Manually seat the anchor in the pilot hole prior to using a metal mallet to fully insert the anchor. When the laser mark on the distal end of the TwinLoop FLEX inserter shaft aligns with the window of the guide, or the proximal shaft laser mark aligns with the back end of the guide handle, a 3mm countersink depth has been achieved.

Procedure Pearls: Be sure to firmly insert the anchor into the pilot hole by applying force to the inserter handle with your hand prior to using a mallet to fully insert the anchor.

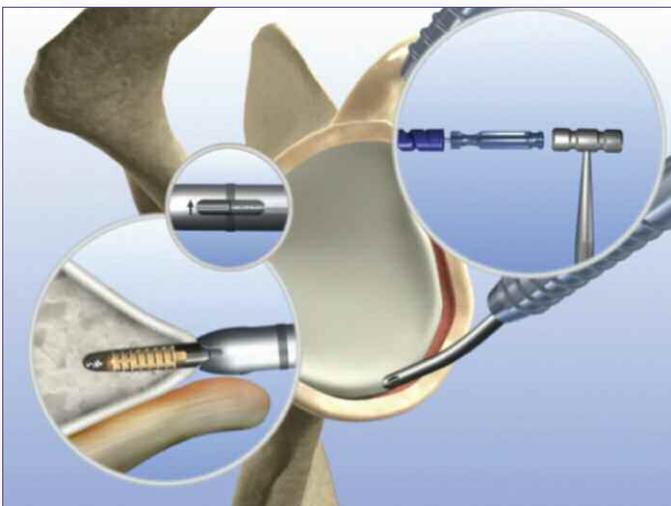


Figure 4b

Take heed of the importance of the warning on the IFU for this step: Guide instability may result in anchor insertion failure. Firmly grip the guide when using the metal mallet to insert the anchor.

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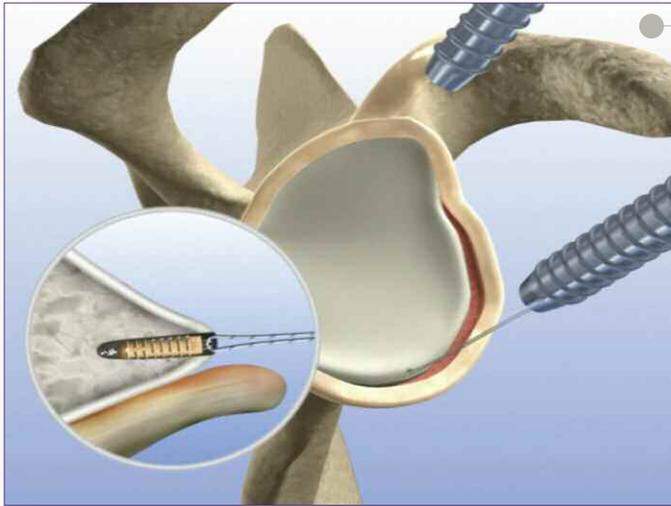


Figure 5

5. Unwind and disengage the suture strands from the TwinLoop FLEX inserter. Remove the inserter by pulling it straight out along the TwinLoop FLEX guide handle. Avoid twisting the inserter during removal. The sutures will pass through the inserter. Discard the inserter, and remove the guide.

Procedure Pearls: While unwrapping the suture, maintain the stability of the guide and inserter. Make sure that the sutures do not remain engaged in the inserter handle cleat during inserter removal. This will help ensure that the sutures remain threaded in the anchor and do not inadvertently pull out with the inserter.

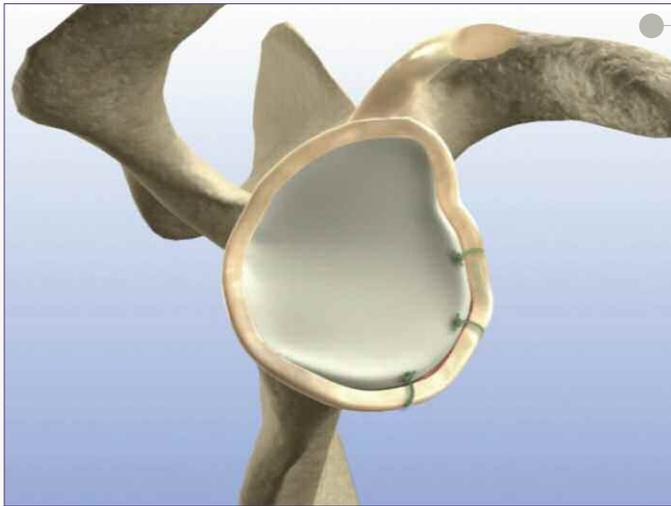


Figure 6

6. The security of the anchor in bone may now be confirmed. The TwinLoop anchor allows for suture sliding and static knot tying to secure the tissue to its bone bed. Additional TwinLoop FLEX anchors, using the flexible drill system, are implanted as necessary to complete the repair.

Ordering Information

TwinLoop FLEX Instrumentation System

Description	Product Number
TwinLoop FLEX Drill*	3910-400-100
TwinLoop FLEX Bullet Tip Obturator	3910-400-101
TwinLoop FLEX Trocar Tip Obturator	3910-400-102
TwinLoop FLEX 12° Guide	3910-400-103
TwinLoop FLEX 12° RM Guide	3910-400-104
TwinLoop FLEX 25° Guide	3910-400-105
TwinLoop FLEX 25° RM Guide	3910-400-106
TwinLoop FLEX 0° Guide	3910-400-107
3.5mm PEEK TwinLoop FLEX Single Strand*	3910-405-638
3.5mm PEEK TwinLoop FLEX SE One Strand 2 Force Fiber*	3910-405-738
3.5mm PEEK TwinLoop FLEX SE Two Strands 2 Force Fiber*	3910-405-838

* packaged in boxes of 5

Suture Sliders (packaged in boxes of 5)

Description	Product Number
Suture Slider 30°	3910-000-100
Suture Slider 60°	3910-000-101
Suture Slider Crescent	3910-000-102
Suture Slider 45° Right	3910-000-103
Suture Slider 45° Left	3910-000-104

Ordering Information

Champion Shoulder Instrumentation

Description	Product Number
2.7mm Straight Suture Retriever	300-027-375
2.7mm 15° Suture Retriever	300-027-376
3.4mm Straight Grasper	300-034-950
3.4mm Straight Grasper w/ Ratchet	300-034-951
StabiliHook Left	3910-500-722
StabiliHook Right	3910-500-723
Cuff Hook Left	3910-500-724
Cuff Hook Right	3910-500-725
Suture Manipulator	3910-500-727
Tissue Grasper with Ratchet	3910-500-728
Crochet Hook	3910-500-729
Knot Manipulator Full Loop	3910-500-730
Rasp Up Bend 20°	3910-500-731
Rasp Down Bend 20°	3910-500-732
Tissue Liberator Blade Up	3910-500-733
Tissue Liberator Blade Down	3910-500-734
Penetrating Grasper Right	3910-500-735
Penetrating Grasper Left	3910-500-736
Penetrating Grasper Straight	3910-500-737
Penetrating Grasper 30°	3910-500-738
Penetrating Grasper 45°	3910-500-739
Suture Grasper with Ratchet	3910-500-740
Suture Grasper	3910-500-741
Suture Cutter 2mm	3910-500-742
Champion Shoulder Instrument Sterilization Tray	3910-500-743
3mm Probe	3910-500-800
5mm Probe	3910-500-850

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