



Rotator Cuff Repair

*Twist SST PEEK Screw-In Suture Anchors and
Twist Knotless Screw-In Suture Anchors*

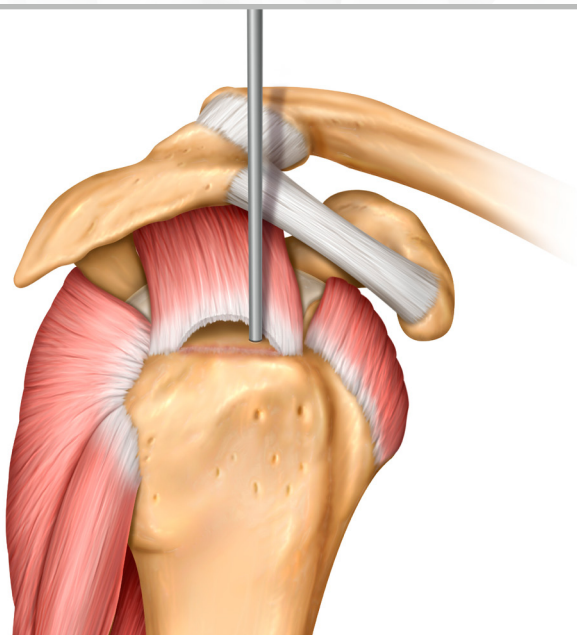
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Surgical Technique Guide

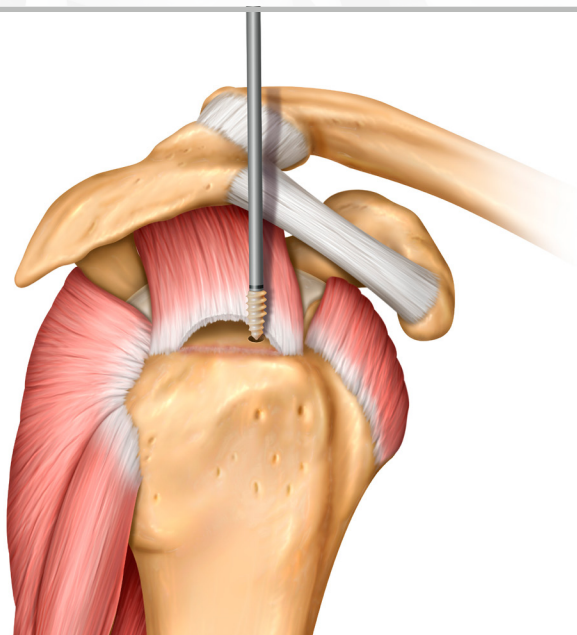
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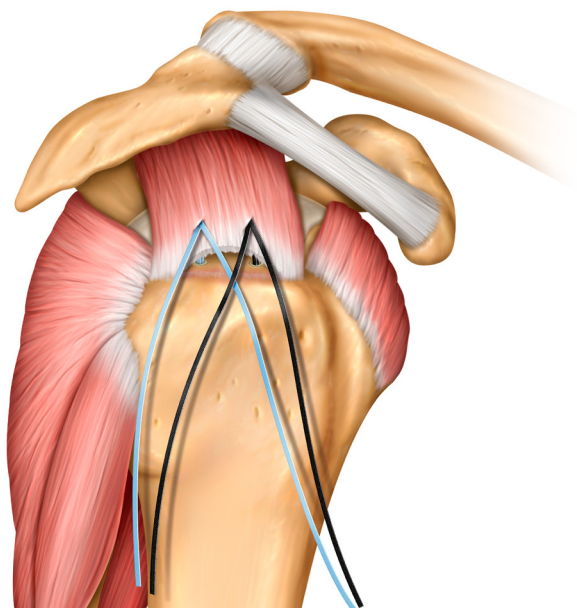
step
1

The rotator cuff footprint is prepared, and pilot holes are created near the articular margin.



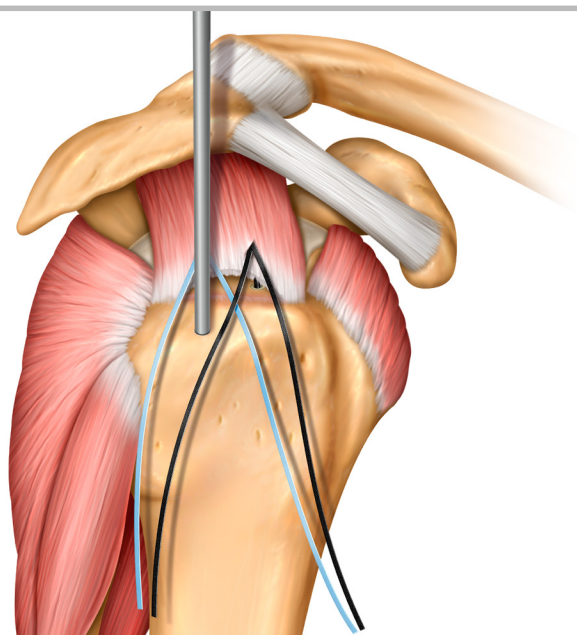
step
2

Insert the Twist SST PEEK, which is pre-loaded with one 2mm suture tape. Repeat steps 1-2 as necessary.



step
3

The suture tapes are passed through the rotator cuff in a mattress configuration using preferred suture passing technique.

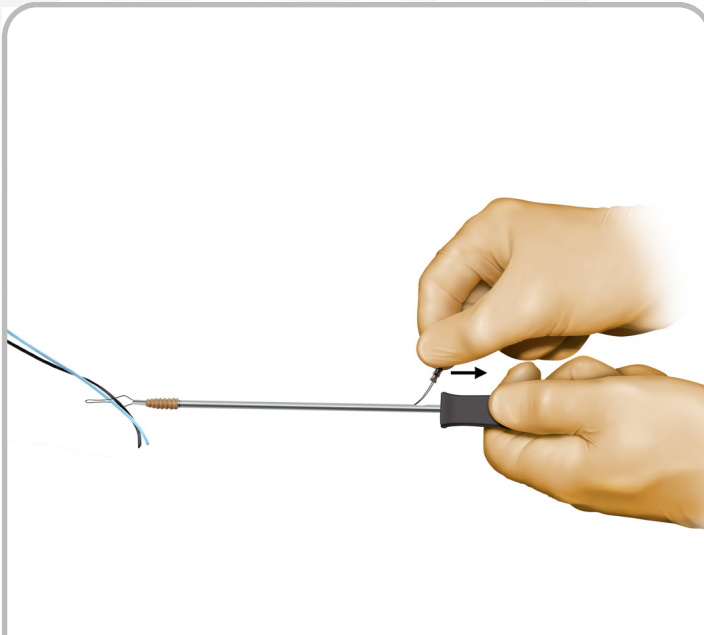


step
4

The lateral row anchor site is identified and a pilot hole is created using the 4.1mm Axl.

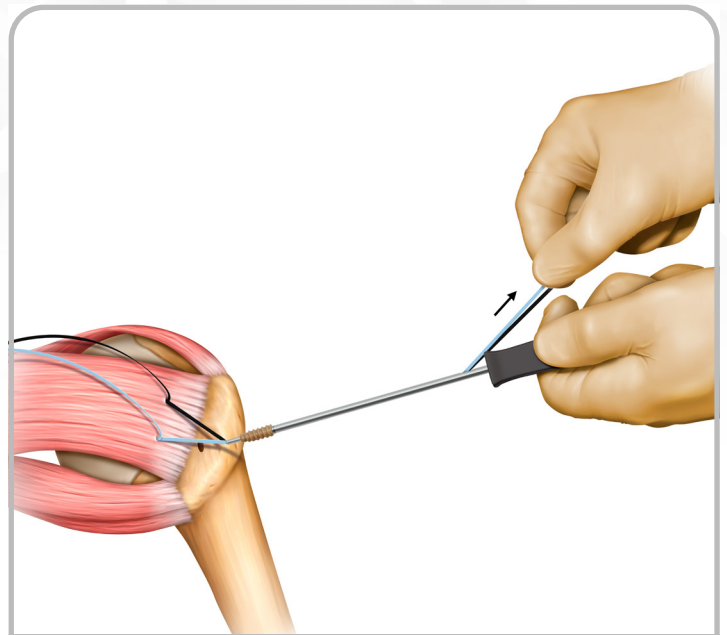
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step
5

Suture tails (up to 2) can be loaded into the Twist Knotless suture threader. The threader tab is pulled to shuttle the loaded sutures through the Twist Knotless and inserter.

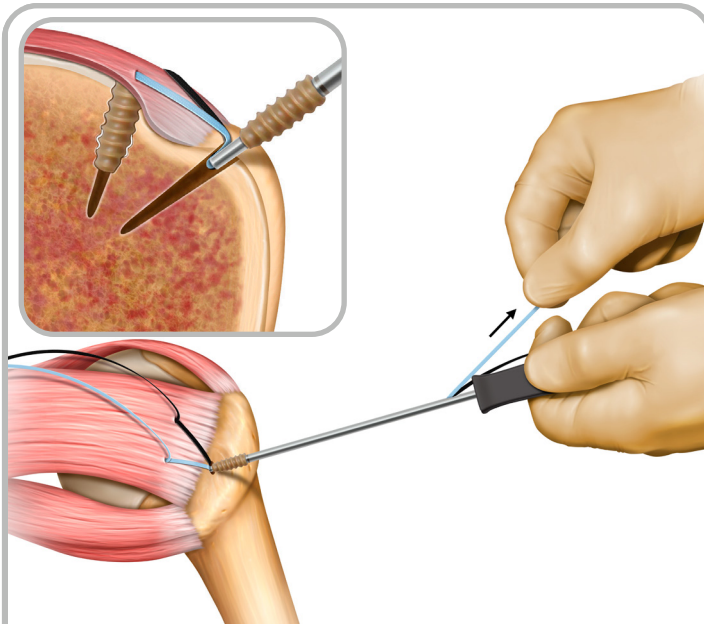


step
6

While applying light tension on the suture tails, advance the Twist Knotless anchor into the subacromial space through the cannula.

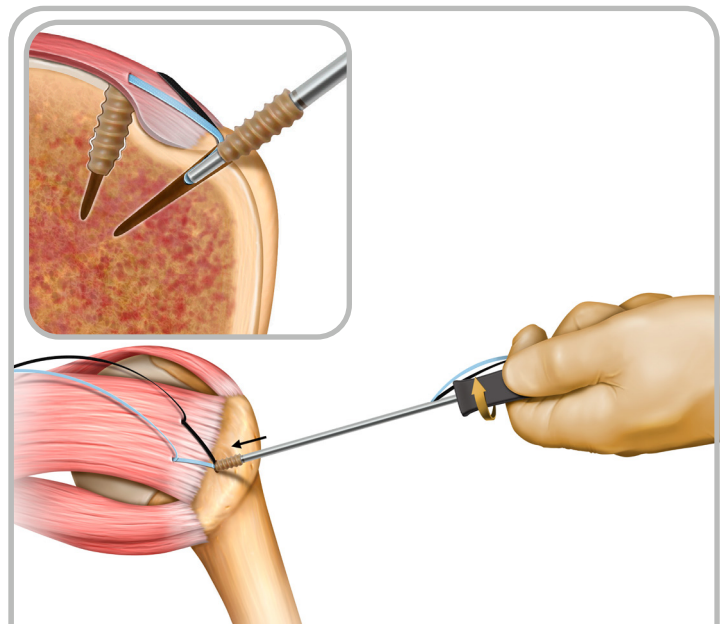
Technical Note: Cadaveric testing has demonstrated that the biomechanical performance of knotless fixation with suture tape is equivalent or better than a knotted repair and that knotless fixation has less variability in biomechanical properties.

Reference: Denard, Patrick J et al. "Knotless Fixation Is Stronger and Less Variable Than Knotted Constructs in Securing a Suture Loop." Orthopaedic journal of sports medicine vol. 6,5 2325967118774000. 21 May. 2018. doi:10.1177/2325967118774000



step
7

Introduce the insertion nose into the pilot hole. While maintaining position of Twist Knotless insertion handle, pull suture tails individually to set tension.

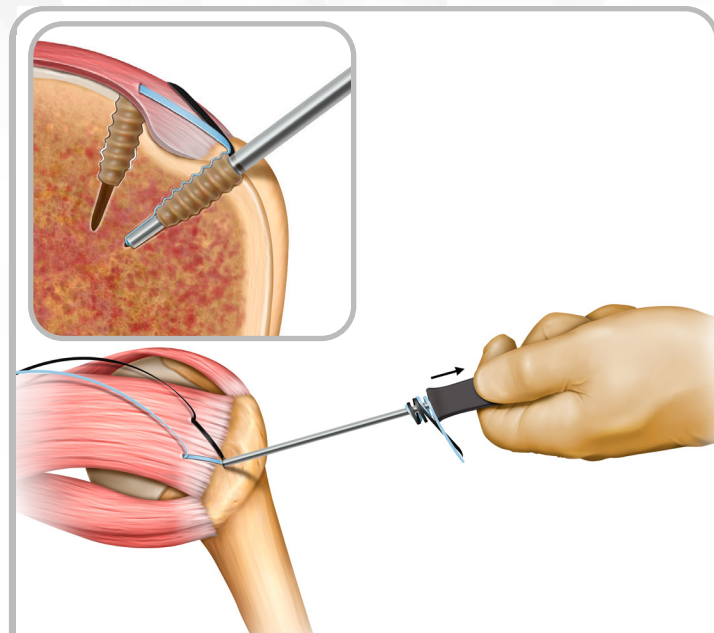


step
8

Once desired tension is achieved, release suture tails. With downward (proximal to distal) pressure, rotate clockwise to insert the Twist Knotless.

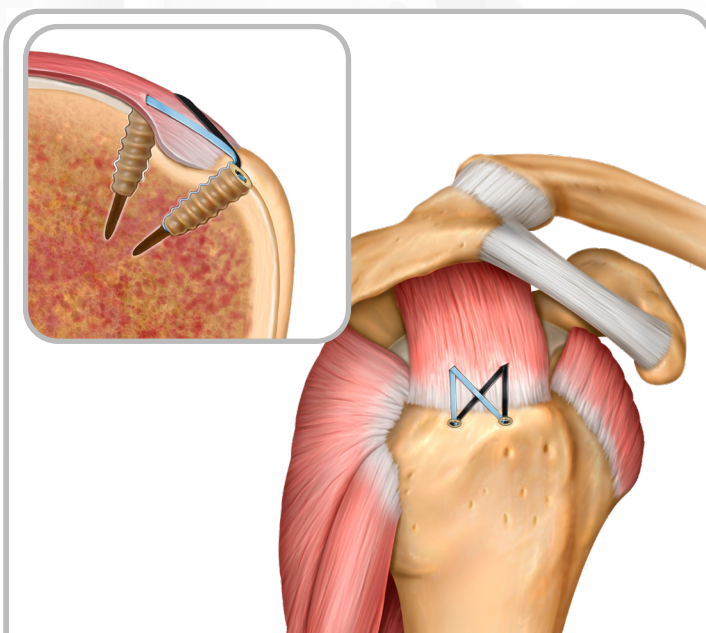
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step
9

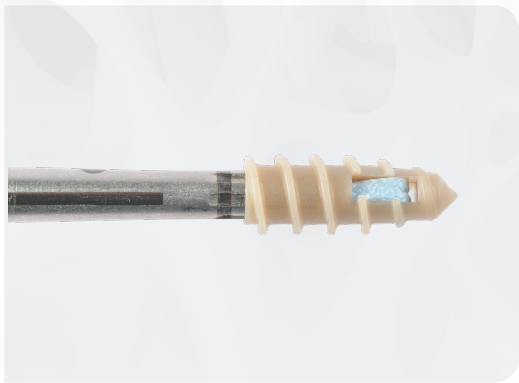
Rotate Twist Knotless to proper insertion depth marked by the horizontal laser line. Disengage the driver by pulling back. The sutures wrapped around the driver shaft will unwind as driver is disengaged.



step
10

Repeat steps 5-10 as necessary to complete the repair.

Twist SST *PEEK Screw-In Suture Anchor*



Twist PEEK Screw-In Suture Anchors are recommended for use in both large and small-joint repairs.

Features & Benefits

Fully-threaded design

- Optimal cortical fixation
- Reduces the risk of “pull-back”

Made of PEEK-OPTIMA Natural

- Non-absorbable
- Bio-inert*
- Radiolucent
- MR safe

Twist SST PEEK Screw-In Suture Anchors w/One Suture Tape

| Part # | Diameter (mm) | Length (mm) | Description | Material |
|--------|---------------|-------------|--|----------|
| 11349 | 4.5 | 12.6 | Twist SST, screw-in, suture anchor, w/1 static 2mm suture tape (blu) | PEEK |
| 11350 | 4.5 | 12.6 | Twist SST, screw-in, suture anchor, w/1 static 2mm suture tape (blk) | PEEK |
| 11351 | 5.5 | 12.6 | Twist SST, screw-in, suture anchor, w/1 static 2mm suture tape (blu) | PEEK |
| 11352 | 5.5 | 12.6 | Twist SST, screw-in, suture anchor, w/1 static 2mm suture tape (blk) | PEEK |

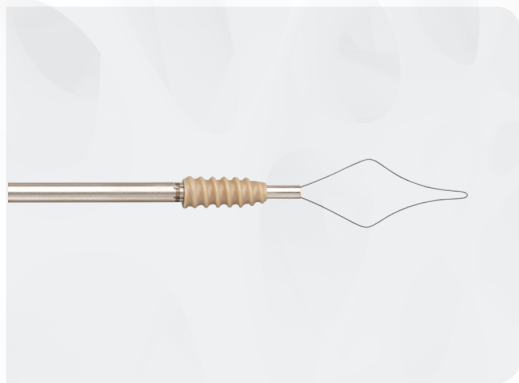
Twist SST PEEK Screw-In Suture Anchors Instrumentation

| Part # | Description | Sterility | Single-use/ Reusable |
|--------|--|-------------|----------------------|
| 10365 | 3.2mm Awl (for use with 4.5mm Twist SST Anchor) | Non-Sterile | Reusable |
| 10338 | 4.1mm Awl (for use with 4.5mm and 5.5mm Twist SST Anchors) | Non-Sterile | Reusable |
| 10609 | Punch/tap for 4.5mm Twist SST Anchor | Non-Sterile | Reusable |
| 10277 | Punch/tap for 5.5mm Twist SST Anchors | Non-Sterile | Reusable |
| 10222 | Punch/tap for 5.5mm Twist SST Anchors, hudson | Non-Sterile | Reusable |
| 10540U | 3.2mm x 300mm Drill w/positive stop | Non-Sterile | Reusable |
| 10541U | 4.0mm x 300mm Drill | Non-Sterile | Reusable |



* “Bio-inert to reduce the possible risk of patient reaction.” <https://invivio.com/ortho/shoulder-arthroscopy>

Twist Knotless *Screw-In Suture Anchors*



Twist Knotless was designed to be extremely reliable and strong. The fully threaded screw-in knotless anchor is ideally suited for rotator cuff repair.

Features & Benefits

Knotless

- Provides a step-saving alternative to conventional “knotted” suture anchors
- Eliminates “knot stacks” associated with soft tissue irritation

Fully threaded design

- Provides cortical fixation
- Reduces the risk of “pull-back”

Made of PEEK-OPTIMA Natural

- Non-absorbable
- Bio-inert
- Radiolucent
- MR safe

Twist Knotless

| Part # | Diameter (mm) | Length (mm) | Description | Material |
|--------|---------------|-------------|--|----------|
| 11165 | 4.75 | 15 | Twist Knotless, screw-in, suture anchor, w/suture passer | PEEK |
| 11166 | 5.5 | 15 | Twist Knotless, screw-in, suture anchor, w/suture passer | PEEK |
| 11167 | 6.25 | 15 | Twist Knotless, screw-in, suture anchor, w/suture passer | PEEK |

Twist Knotless Instrumentation

| Part # | Description | Sterility | Single-use/ Reusable |
|--------|----------------------------|-------------|-------------------------|
| 11172 | 3.6mm to 4.1mm Tapered Awl | Non-Sterile | Reusable |



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