

Improved access,  
ultra-low displacement<sup>1</sup>  
and the highest  
fixation strength<sup>1</sup>

 **smith&nephew**  
**Q-FIX<sup>®</sup>**  
All-Suture Anchor



Supporting healthcare professionals

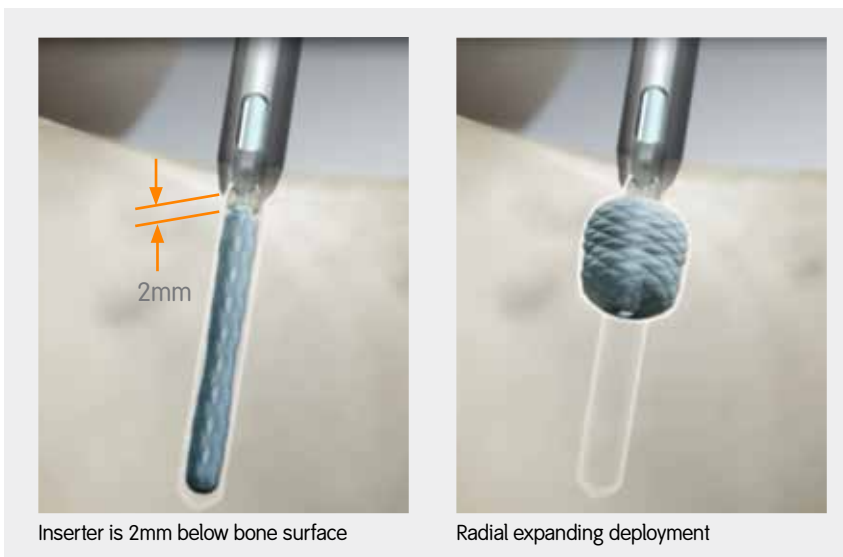
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# Q-FIX<sup>◇</sup>

## All-Suture Anchors

The Q-FIX All-Suture Anchor is the next generation of all-suture anchor technology, providing the benefits of a small, soft anchor with the characteristics of traditional anchor designs. This uniquely designed, radially expanding anchor offers compact size, high fixation strength,<sup>2,3,4</sup> low displacement,<sup>4,5</sup> consistent deployment,<sup>2,3</sup> and is now available with a curved guide system.

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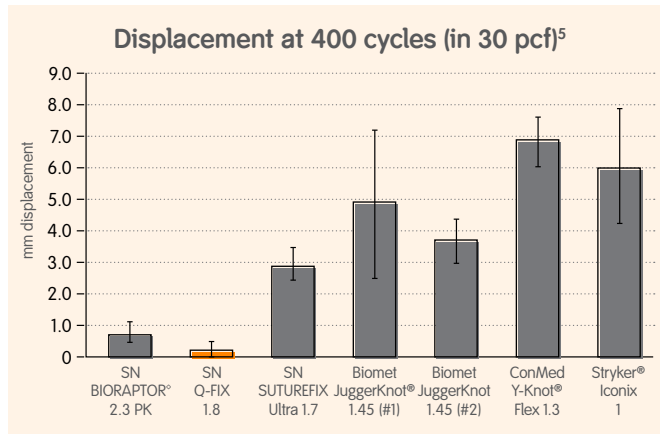
### Consistent deployment<sup>1,2</sup>

The Q-FIX All-Suture Anchor is designed to provide consistent deployment due to the radially expanding implant design and unique delivery system. During anchor deployment, the distal tip of the inserter functions as a knot pusher against the anchor body, independent of the cortical layer. The sutures are then pretensioned to approximately 140 newtons<sup>5</sup> to complete anchor deployment and remove any suture laxity.



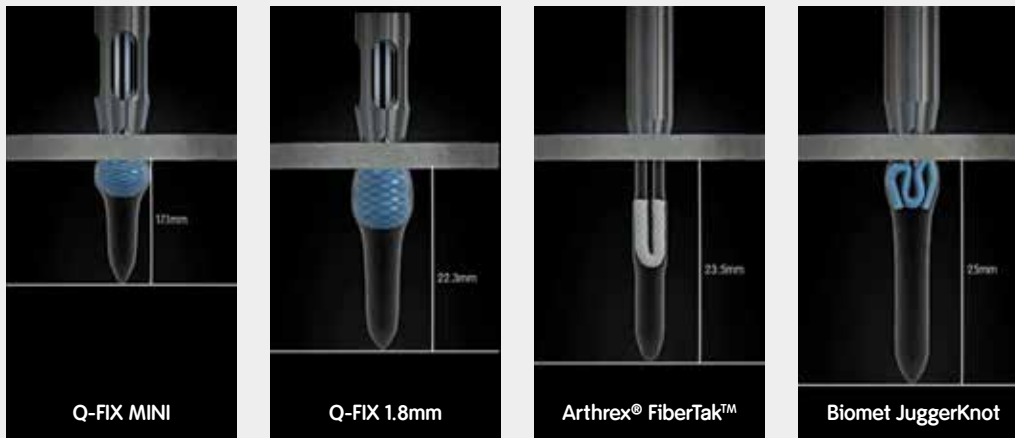
## Low Displacement

The unique design and deployment mechanism of the Q-FIX® All-Suture Anchor provides best-in-class performance, with regard to displacement during cyclic loading. The deployment of the anchor against the inserter shaft and the tensioning of the sutures to approximately 140 newtons ensures the least displacement of any all-suture anchor.<sup>1</sup>



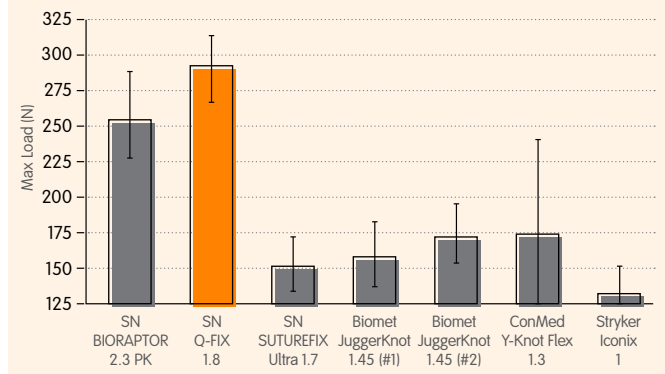
## Compact Size

The Q-FIX platform offers compact 1.8mm (single-loaded) or 2.8mm (double-loaded) anchor sizes. The new Q-FIX MINI All-Suture Anchor anchor minimizes bone removal by shortening the drill tunnel depth by 5mm. This new drill depth of 17.1mm is approximately 23% shorter than the existing Q-FIX 1.8mm anchor.



Pilot hole depth of the Q-FIX 1.8mm MINI and Q-FIX 1.8mm All-Suture Anchors compared to the Arthrex FiberTak 1.6mm Soft Anchor and Zimmer Biomet JuggerKnot 1.5mm Soft Anchor.

## Max Load of Labral Repair Anchors Tested (in 30 pcf)<sup>5</sup>



## Superior Fixation

The Q-FIX All-Suture Anchor provides superior fixation properties when compared to the BIORAPTOR 2.3 PK Suture Anchor as well as other commercially available all-suture anchors.<sup>1</sup>

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# Q-FIX<sup>◇</sup> CURVED Guide System

The Q-FIX CURVED Guide System improves access to challenging shoulder and hip pathology. The Curved Drill Guide improves access and trajectory when drilling bone tunnels. This may reduce the risk of articular surface perforation, bicortical perforation, and converging tunnels. The distal design of the curve places it where it will be most effective: in the working space within the joint.

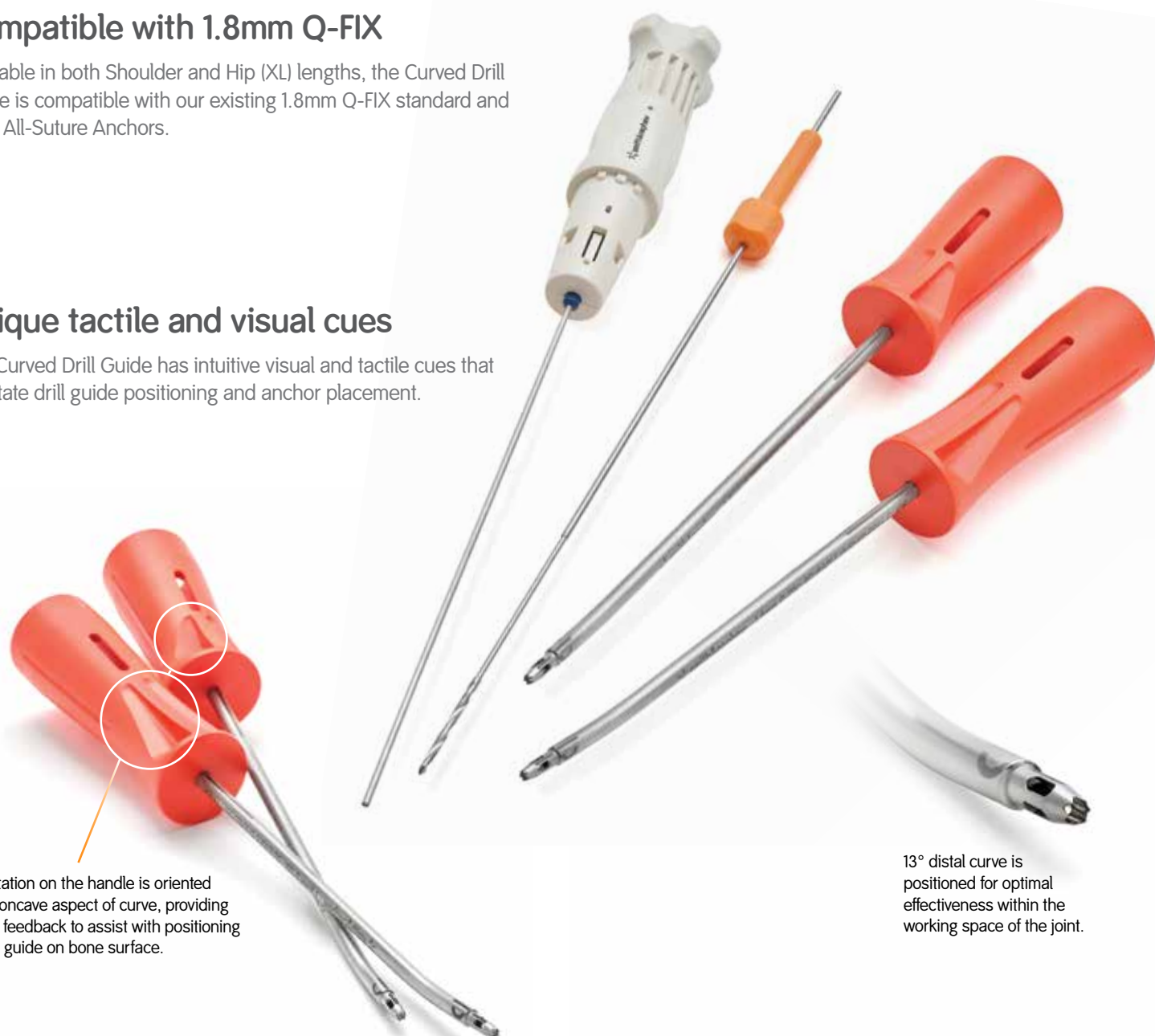
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## Compatible with 1.8mm Q-FIX

Available in both Shoulder and Hip (XL) lengths, the Curved Drill Guide is compatible with our existing 1.8mm Q-FIX standard and MINI All-Suture Anchors.

## Unique tactile and visual cues

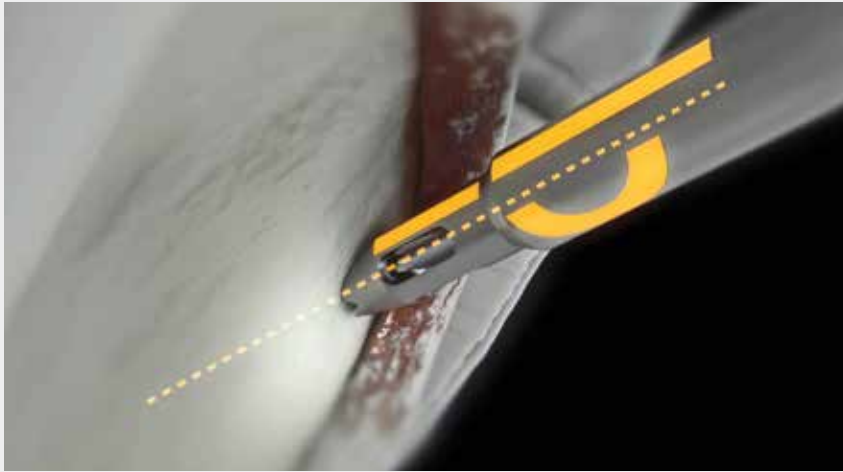
The Curved Drill Guide has intuitive visual and tactile cues that facilitate drill guide positioning and anchor placement.



Indentation on the handle is oriented with concave aspect of curve, providing tactile feedback to assist with positioning of drill guide on bone surface.

13° distal curve is positioned for optimal effectiveness within the working space of the joint.

## Laser marks assist with positioning the drill guide



The crescent-shaped laser mark indicates the orientation of the curvature.

The vertical laser mark indicates the trajectory of the drill bit.

## TRUJECTORY<sup>◇</sup> Technology directs the drill bit where you expect it to go

The Q-FIX<sup>◇</sup> Curved Drill Guide is the most accurate drill guide available\*, producing less than 1 degree of deviation.

	Smith & Nephew Q-FIX	Biomet Juggerknot <sup>®</sup>	Arthrex FiberTak <sup>™</sup>	Stryker <sup>®</sup> ICONIX <sup>™</sup>	Cayenne Medical SureLock <sup>™</sup>
Length of Curve	1.92"	1.25"	2.01"	3.50"	4.31"
Angle	13°	15°	11°	12° and 25°	20°
	Tighter distal curve			Mid-shaft curve	

\*Measured as drill deviation vs. drill guide angle.

# Shoulder Repair

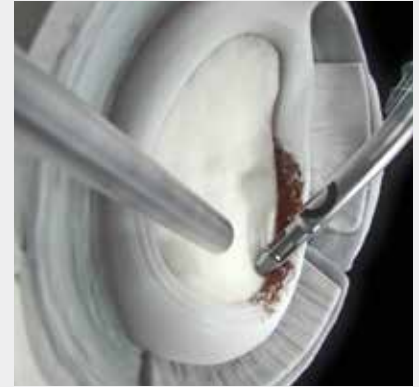
The Q-FIX<sup>®</sup> All-Suture Anchor is designed for procedures like rotator cuff repair and labral repair in which anatomic space is limited.



The 1.8mm Q-FIX Suture Anchor is a great option for SLAP and Bankart repairs with implant performance superior to commonly used all-suture anchors.<sup>1,4</sup>



The 2.8mm Q-FIX anchor's fixation performance<sup>2</sup> and small footprint makes it a great option for rotator cuff repair, ideal for medial row fixation where performance is needed and space may be limited. It can be inserted with a standard drill and drill guide, or a tapered punch, streamlining insertion steps and potentially saving operating time.



The Curved Drill Guide allows anchors to be placed confidently in the inferior aspect of the glenoid. The curvature of the guide and trajectory of the drill bit may reduce the risk of converging tunnels or bicortical perforation.

Indications for Use | Q-FIX<sup>®</sup> All-Suture Anchors are intended to be used for soft tissue to bone fixation for:



**Shoulder:** Bankart lesion repair; SLAP lesion repair; acromio-clavicular repair; capsular shift/capsulolabral reconstruction; deltoid repair; rotator cuff repair; biceps tenodesis.



**Hip:** Acetabular labral repair.



**Knee:** Extra-capsular repair: medial collateral ligament (MCL), lateral collateral ligament (LCL) and posterior oblique ligament; Iliotibial band tenodesis (IBT); patellar tendon repair; vastus medialis obliquus advancement (VMO); joint capsule closure.

# Hip Repair

Designed for acetabular labral repair and reconstruction, the Q-FIX<sup>®</sup> All-Suture Anchor delivers performance characteristics that meet or exceed those of other all-suture anchors.<sup>1,4</sup>



The 1.8mm Q-FIX All-Suture Anchor is ideal for hip labral repairs. With its unique deployment mechanism, this radially expanding implant is designed to deliver high fixation strength, and demonstrated the least amount of displacement of any all-suture anchor.<sup>1,4</sup>



The 1.8mm Q-FIX Mini Anchor requires minimal bone removal for anchor insertion which makes it an optimal solution for treating pathology all around the acetabular rim.



The Curved Drill Guide is designed to provide improved access to the acetabular rim compared to traditional straight delivery systems. And it allows for the anchor to be positioned closer to the articular side of the acetabular rim, with less risk of penetrating the acetabular articular cartilage.



**Foot & Ankle:** Medial/Lateral repair and reconstruction; midfoot and forefoot repair; Hallux valgus reconstruction; Metatarsal ligament/tendon repair or reconstruction; Achilles tendon repair



**Elbow:** Ulnar or radial collateral ligament reconstruction; lateral epicondylitis repair; biceps tendon reattachment.



**Hand & Wrist:** Collateral ligament repair; Scapholunate ligament reconstruction; Tendon transfers in phalanx; Volar plate reconstruction.

# Ordering information

## Q-FIX® All-Suture Anchors

### 1.8mm Q-FIX and 1.8mm Q-FIX MINI All-Suture Anchors

Reference #	Description
Anchors:	
72290123	1.8mm Q-FIX MINI All-Suture Anchor
25-1800	1.8mm Q-FIX All-Suture Anchor
Disposable Kits:	
72290125	1.8mm Q-FIX MINI Kit, disposable
72290126	1.8mm Q-FIX MINI Kit XL, disposable
25-1810	1.8mm Q-FIX Kit, disposable
25-1811	1.8mm Q-FIX Kit XL, disposable
Reusable Instruments:	
72290032	1.8mm Q-FIX Drill Guide, reusable
72290034	1.8mm Q-FIX Drill Guide XL, reusable
72290120	1.8mm Q-FIX Curved Drill Guide, reusable
72290119	1.8mm Q-FIX Curved Drill Guide XL, reusable
72290033	1.8mm Q-FIX Obturator, reusable
25-1812	1.8mm Q-FIX PATHFINDER Obturator, reusable
Disposable Accessories:	
72290024	1.8mm Q-FIX MINI Straight Drill, disposable
72290030	1.8mm Q-FIX Straight Drill, disposable
72290118	1.8mm Q-FIX Flexible Drill, disposable

### 2.8mm Q-FIX All-Suture Anchor

Reference #	Description
Anchors:	
25-2800	2.8mm Q-FIX All-Suture Anchor
Disposable Kits:	
25-2810	2.8mm Q-FIX Kit, disposable
Reusable Instruments:	
72290035	2.8mm Q-FIX Drill Guide, reusable
72290036	2.8mm Q-FIX Obturator, reusable
25-2812	2.8mm Q-FIX PATHFINDER Obturator, reusable
25-2820	2.8mm Q-FIX Bone Punch, reusable
Disposable Accessories:	
72290031	2.8mm Q-FIX Straight Drill, disposable

## Instrumentation

The Q-FIX anchor platform offers a variety of instrumentation in order to meet your surgical preferences and facility needs. For the ultimate in convenience, we offer disposable, sterile instrumentation. We also offer reusable instrumentation if required/ desired.



Example of reusable items for 1.8mm Q-FIX



Example of disposable kit for 1.8mm Q-FIX



Curved guides and flexible drill.

All photos and diagrams are for illustrative purposes only. Products not to scale.

For more information on the application of any products discussed in the presentation, as well as indications for use, contraindications, and product safety information, please consult the Instructions for Use (IFU) for such product.

**Manufactured by:**  
ArthroCare Corporation  
7000 West William Cannon Drive  
Austin, TX 78735 USA

**Distributed by:**  
Smith & Nephew, Inc.  
150 Minuteman Road  
Andover, MA 01810 USA

**www.smith-nephew.com**  
T +1 978 749 1000  
US Customer Service:  
+1 800 343 5717

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## References

1. Douglass NP, Behn AW, Safran MR. Cyclic and Load to Failure Properties of All-Suture Anchors in Synthetic Acetabular and Glenoid Cancellous Bone. *Arthroscopy*. 2017 May;33(5):977-985.e5. doi: 10.1016/j.arthro.2016.11.022. Epub 2017 Jan 26. 2. Report P/N 49193-02 Rev. A 3. Report P/N 51963-01 Rev. B 4. Barber AB, Herbert MA. All-Suture Anchors: Biomechanical Analysis of Pullout Strength, Displacement, and Failure Mode. *Arthroscopy*. 2017 Jun;33(6):1113-1121. doi: 10.1016/j.arthro.2016.09.031. Epub 2016 Dec 22 5. Report P/N 49190-01 Rev. B