



Part of the **INSTABILITY EXCELLENCE** Portfolio

# **+** Redefining peak performance

**Consistent deployment<sup>1-3</sup>, fixation strength<sup>4,5</sup>**  
An integral part of Instability Excellence

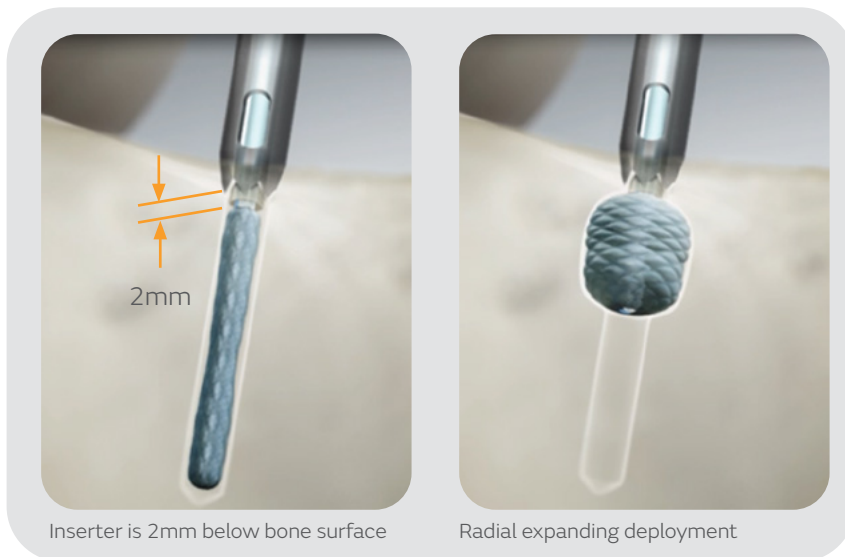
**Smith+Nephew**

**Q-FIX<sup>◇</sup>**  
All-Suture Anchor

# Q-FIX<sup>◇</sup> All-Suture Anchor

## Consistent deployment<sup>1-3</sup>

- Designed to provide consistent deployment due to the radially expanding implant design and delivery system
- The active deployment against the inserter shaft and the tensioning of the sutures to at least 140N contributes to the low displacement during cyclic loading<sup>†4-8</sup>



## Multiple Configurations

- MINITAPE<sup>◇</sup> suture configurations offer a low profile<sup>13</sup>, coreless design which has been shown to offer a lower and more evenly distributed level of pressure<sup>\*14</sup>
- MINITAPE is conveniently tapered into #2 sutures for use with existing Smith+Nephew suture manipulation devices<sup>15</sup>



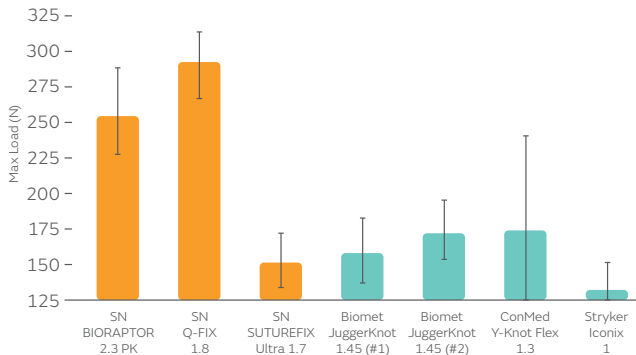
†As demonstrated in benchtop testing

\*compared to a traditional #2 suture

## Fixation strength<sup>4,5</sup>

- Shown to provide greater fixation strength when compared to other commercially available all-suture anchors<sup>†\*4,5</sup>
- Provides the benefits of a small, soft anchor with the fixation characteristics similar to or greater than traditional solid body anchors<sup>†5,9,10</sup>

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



\*Q-FIX Suture Anchor 1.8 compared to BIORAPTOR<sup>®</sup> 2.3 PK Suture Anchor, Zimmer Biomet JuggerKnot<sup>™</sup> 1.45 (#1 and #2), Conmed Y-Knot<sup>™</sup> Flex 1.3 and Stryker Iconix 1



## Improved access<sup>11</sup>

- Can improve access to challenging shoulder anatomy with the Q-FIX Curved Drill Guide, complete with intuitive visual and tactile cues<sup>11</sup>
- Greater accuracy than leading competitor curved drill guides\*\*, producing less than 1 degree of deviation<sup>12</sup>

\*\*Measured as drill deviation vs. drill guide angle; Compared to Cayenne SureLock<sup>™</sup> Curved, Stryker Iconix Curved, Arthrex FibreTak<sup>™</sup> Curved, Zimmer Biomet JuggerKnot<sup>™</sup> Long Curved (without centering sleeve)

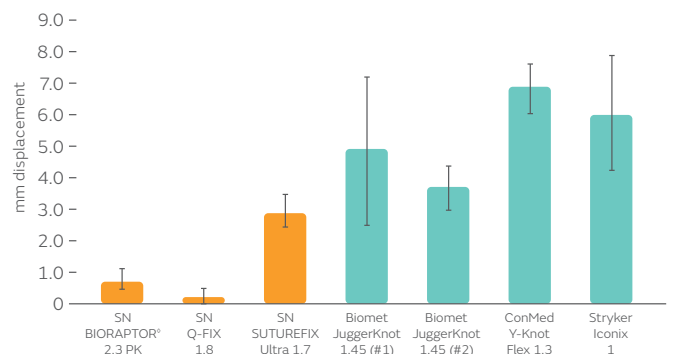
## Low displacement

- Ultra-low displacement during cyclic loading<sup>†4-8</sup>
- Q-FIX 1.8mm anchor shown to provide leading performance, with the lowest displacement during cyclic loading among competitor all-suture anchors<sup>†\*\*\*4,5,8</sup>

† As demonstrated in benchtop testing

\*\*\* Q-FIX Suture Anchor 1.8 compared to Stryker Iconix 1, 2, 2.5 and 3, Parcus Medical Draw Tight<sup>™</sup> 1.8 and 3.2, Zimmer Biomet Juggerknot<sup>™</sup> 1.4, 1.45 (#1 and #2), 1.5 and 2.9 and Conmed Y-Knot<sup>™</sup> Flex 1.3, 1.8 and 2.8

### Displacement at 400 cycles (in 30 pcf)<sup>5</sup>



# Ordering information

## Q-FIX° All-Suture Anchors Pre-loaded with MINITAPE° Suture\*

Reference #	Description
72205858	Q-FIX All-Suture Anchor, 1.8mm, with one MINITAPE Suture, cobraid-white
72205859	Q-FIX All-Suture Anchor, 1.8mm, with one MINITAPE Suture, blue
72205860	Q-FIX All-Suture Anchor, 2.8mm, with two MINITAPE Sutures, blue, cobraid-white

## Q-FIX All-Suture Anchors Pre-loaded with MAGNUMWIRE Suture

72290123	Q-FIX MINI All-Suture Anchor, 1.8mm, with one MAGNUMWIRE Suture, cobraid-wire
25-1800	Q-FIX All-Suture Anchor, 1.8mm, with one MAGNUMWIRE Suture, cobraid-blue
25-2800	Q-FIX All-Suture Anchor, 2.8mm, with two MAGNUMWIRE Sutures: cobraid-blue, cobraid-black

## Q-FIX Disposable kits

72290125	Q-FIX MINI All-Suture Anchor Disposable Kit, 1.8mm, includes drill, fish mouth tip drill guide and sharp obturator
72290126	Q-FIX MINI All-Suture Anchor Disposable Kit XL, 1.8mm, includes drill, crown drill guide and sharp obturator
25-1810	Q-FIX All-Suture Anchor Disposable Kit, 1.8mm, includes drill, fish mouth tip drill guide and sharp obturator
25-1811	Q-FIX All-Suture Anchor Disposable Kit XL, 1.8mm, includes drill, crown tip drill guide and sharp obturator

## Q-FIX Reusable Accessories

72290032	Q-FIX All-Suture Anchor Drill Guide, fish mouth tip, 1.8mm, nonsterile, reusable
72290034	Q-FIX All-Suture Anchor Drill Guide XL, crown tip, 1.8mm, nonsterile, reusable
72290120	Q-FIX All-Suture Anchor Curved Drill Guide, crown tip, 1.8mm, nonsterile, reusable
72290119	Q-FIX All-Suture Anchor Curved Drill Guide XL, crown tip, 1.8mm, nonsterile, reusable
72290033	Q-FIX All-Suture Anchor Obturator, 1.8mm, nonsterile, reusable
72290035	Q-FIX All-Suture Anchor Drill Guide, crown tip, 2.8mm, nonsterile, reusable
72290036	Q-FIX All-Suture Anchor Obturator 2.8mm, nonsterile, reusable
25-2820	Q-FIX All-Suture Anchor Bone Punch, 2.8mm, reusable

## Q-FIX Disposable Accessories

72290124	Q-FIX MINI All-Suture Anchor Twist Drill, 1.8mm, sterile, disposable
72290030	Q-FIX All-Suture Anchor Twist Drill, 1.8mm, sterile, disposable
72290118	Q-FIX All-Suture Anchor Flexible Drill, 1.8mm, sterile, disposable
72290031	Q-FIX All-Suture Anchor Twist Drill, 2.8mm, sterile, disposable

\* Legal manufacturer is Smith & Nephew, Inc. 150 Minuteman Road Andover, MA 01810 USA

Smith & Nephew Pty Ltd  
Australia  
T +61 2 9857 3999  
F +61 2 9857 3900  
[smith-nephew.com/en-au](http://smith-nephew.com/en-au)

Smith & Nephew Ltd  
New Zealand  
T +64 9 820 2840  
F +64 9 820 2841  
[smith-nephew.com/en-nz](http://smith-nephew.com/en-nz)

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## References

1. ArthroCare Corporation 2016. Report: Design Verification, 1.8mm & 2.8 mm Q-Fix Suture Anchor P/N 49190-01 Rev.B.
2. ArthroCare Corporation 2017. Report: Design Verification, 1.8mm Q-FIX MINI Soft Suture Anchor P/N 49190-03 Rev. B.
3. Smith+Nephew 2020. Safety and Performance of Q-Fix All-Suture Anchor System 17-5010-11.
4. Barber FA, Herbert MA. All-Suture Anchors: Biomechanical Analysis of Pullout Strength, Displacement, and Failure Mode. *Arthroscopy*. 2017;33(6):1113-1121.
5. 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;33(5):977-985 e975.
6. ArthroCare 2019. Comparative Testing of Bone Anchor Devices, 1.8mm Q-FIX Mini Soft Suture Anchor P/N 49193-02 Rev.B.
7. Nagra NS, Zargar N, Smith RD, Carr AJ. Mechanical properties of all-suture anchors for rotator cuff repair. *Bone Joint Res*. 2017;6(2):82-89.
8. Ruder JA, Dickinson EY, Peindl RD, Habet NA, Trofa DP, Fleischli JE. Cyclic and Load-to-Failure Properties of All-Suture Anchors in Human Cadaveric Shoulder Glenoid Bone. *Arthroscopy*. 2019;35(7):1954-1959 e1954.
9. Bernardoni E, Frank RM, Veera SS, et al. Biomechanical Analysis of All-Suture Anchor Fixation for Rotator Cuff Repair. *Orthop J Sports Med*. 2018;6(7 suppl4).
10. Saper MG, Meijer K, Winnier S, Popovich J, Jr., Andrews JR, Roth C. Biomechanical Evaluation of Classic Solid and All-Soft Suture Anchors for Medial Patellofemoral Ligament Reconstruction. *Am J Sports Med*. 2017;45(7):1622-1626.
11. ArthroCare Corporation 2017. Report: Design Validation, Q-FIX Reusable Curved Drill Guides and Disposable Flex Drill, Irvine CA P/N 92017-01 Rev. A.
12. Smith+Nephew 2017. Q-FIX Family Drill Deviation 15007031 A.
13. Smith + Nephew 2016. Feasibility, MINITAPE Knot Stack Evaluation and Knot Security. 15005268. Rev A.
14. Smith + Nephew 2013. ULTRATAPE Pressure Film Testing. 15001847. Rev A.
15. Smith + Nephew 2017. Verification, MINITAPE Suture Manipulation Instrument Compatibility. 15005671. Rev A.