



Powered by **solmedix,**

Quratus[®]
Suture Anchor

Material

Quratus® Suture Anchor is composed of bioabsorbable PLGA (Poly D,L-Lactide-Co-Glycolide) and osteoinductive β -TCP (Tricalcium Phosphate), which promotes bone formation.

PLGA + β -TCP

Bioabsorbable

PLGA (Poly D,L-Lactide-Co-Glycolide) is a widely used bioabsorbable polymer in the medical field due to its excellent biocompatibility and controlled degradation rate.

It naturally degrades within the body, eliminating the need for additional removal surgery, thereby reducing patient discomfort and recovery time.

Osteoinductive

β -TCP (Tricalcium Phosphate) is an osteoconductive material that promotes new bone formation and enhances implant stability.

PLGA + β -TCP

Quratus® Suture Anchor is composed of bioabsorbable PLGA (Poly D,L-Lactide-Co-Glycolide) and β -TCP(Tricalcium Phosphate).

Suture

UHMWPE Suture

Ultra-High Molecular Weight Polyethylene (UHMWPE) suture offers excellent visibility and high tensile strength.

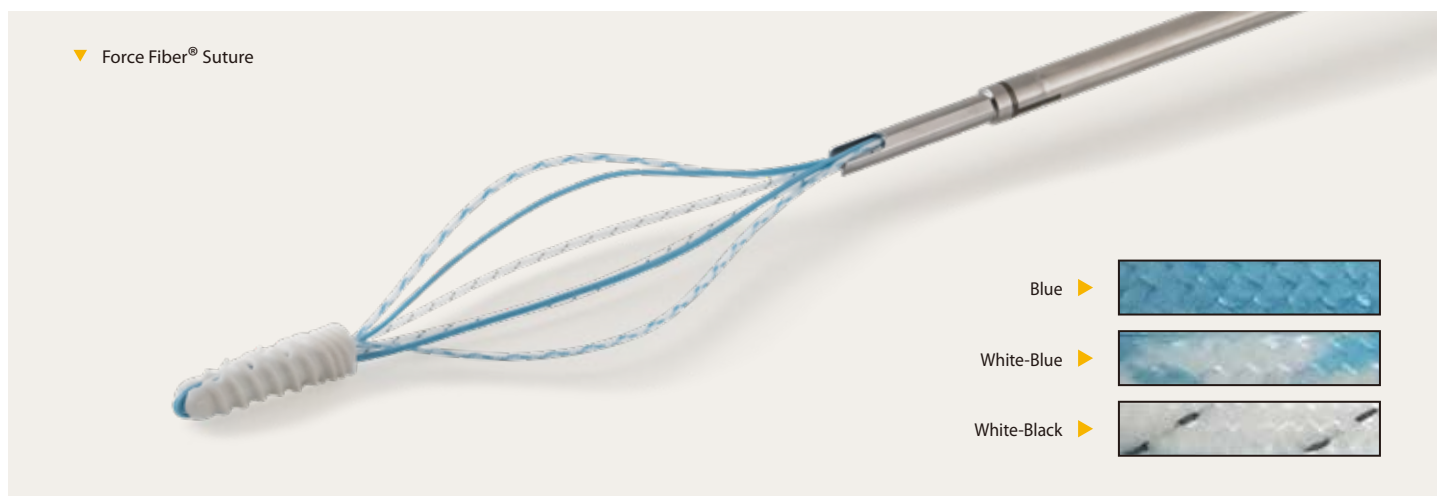
Due to its high molecular weight, it distributes load across its long polymer chains, preventing breakage even under significant stress. Additionally, its strong intermolecular bonding enhances durability and reliability.

Teleflex's Force Fiber®

Equipped with Teleflex's Force Fiber®, providing superior tensile strength and exceptional knot security.

Excellent Visibility

Enhanced identification under arthroscopy with multiple suture color options. (Blue / White-Blue / White-Black)



Rotator cuff repair with Quratus® Suture Anchor

Intraoperative Arthroscopic Image



Postoperative Day 1 MRI Image After Rotator Cuff Repair



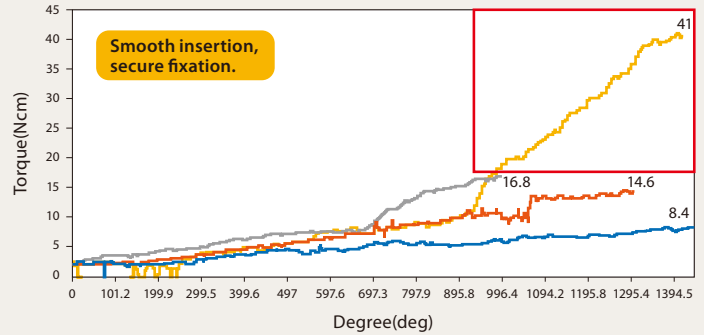
Mechanical Performance Comparison

Quratus® Suture Anchor demonstrates superior mechanical performance compared to competitor products.

Insertion Torque

- Low initial insertion torque.
- Increased torque at final insertion with 4-thread design.
- Enhanced cortical bone fixation with 4-thread screw design smooth insertion completion for optimal handling.
- Smoother insertion and secure fixation compared to competitors.

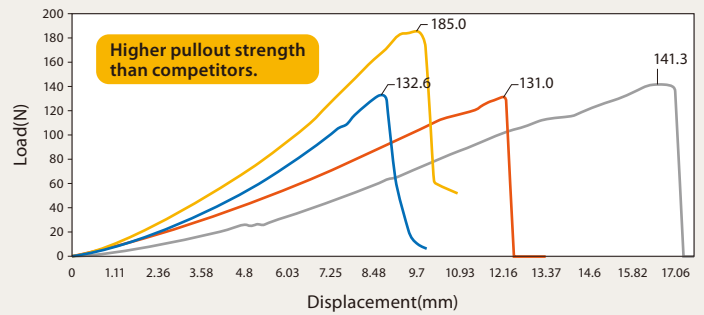
— Quratus® — A — B — C



Pullout Strength

- Higher pullout strength than competitors, ensuring stable fixation post-surgery.

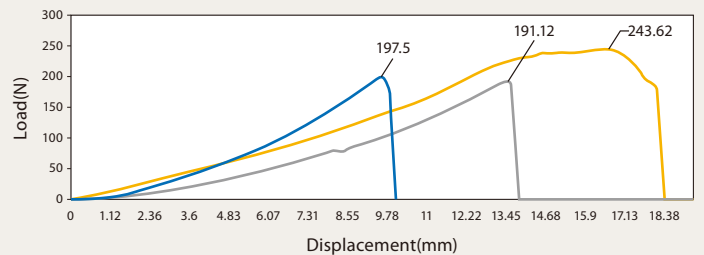
— Quratus® — A — B — C



Component Interconnection Strength

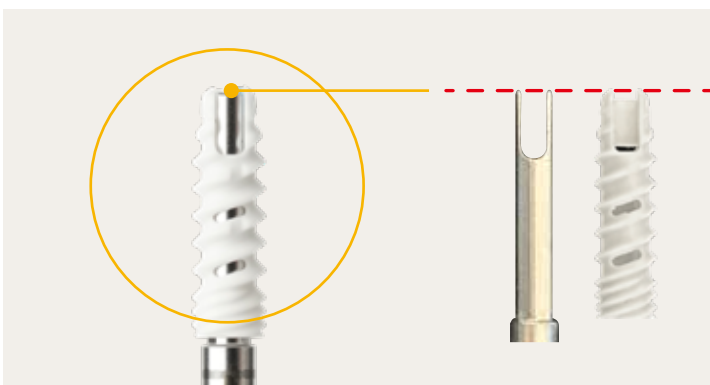
- High anchor-to-suture connection strength enhances surgical stability.

— Quratus® — A — B



*Self-test data

Fracture-Resistant Design



The **Quratus®** Suture Anchor features a driver-supported internal structure that stabilizes the entire anchor from within. This design distributes the insertion load between the anchor and the driver, reducing the risk of distal anchor fractures during insertion.

Quratus[®] Suture Anchor

Solmedix is proud to offer a Suture Anchor System from our Quratus[®].

Bioabsorbable and Osteoinductive material for implantable anchor.

Force Fiber[®] is a non-absorbable suture composed of Ultra-High Molecular Weight Polyethylene (UHMWPE) fiber of Teleflex.



Features

Design of the driver that improves the strength of the anchor

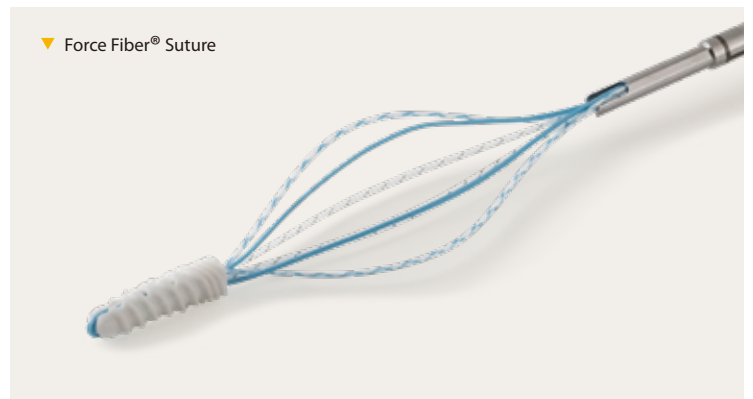
Driver tip design that allows the anchor to be fully inserted.

Prevents anchor breakage from rotational torque when inserting.

Bioabsorbable Anchor

Anchor composed of biodegradable polymer PLGA and β -TCP to promote bone formation.

Open Window design that enhances rapid bone healing by promoting smooth blood flow.



Ultra-High Molecular Weight Polyethylene (UHMWPE) suture with excellent visibility and high strength

Utilizes Teleflex's Force Fiber[®] with high tensile strength and knot strength. Excellent visibility in joint surgeries using various colors.

(Blue / White-Blue / White-Black)



One-touch suture release handle

Different anchor diameters can be easily identified based on the color of the handle button. The one-touch mechanism improves user convenience by easily separating the suture and driver without needing extra steps.

Quratus[®] Knotless Anchor

The distinctive designs of the implants enable adjustment of the suture tension prior to securing it in place with the anchor body. Anchors can be inserted without pre-drilling by utilizing a Self-Punching Tip.



Features

Suture Passer

Attach by passing the suture through the eyelet



Self-punching design that reduces surgical steps

Implemented self-punching feature for insertion without pre-drilling.
**For hard bone, pilot holes must be prepared in advance.*

Open Window design that promotes fast bone healing by facilitating smooth blood flow.

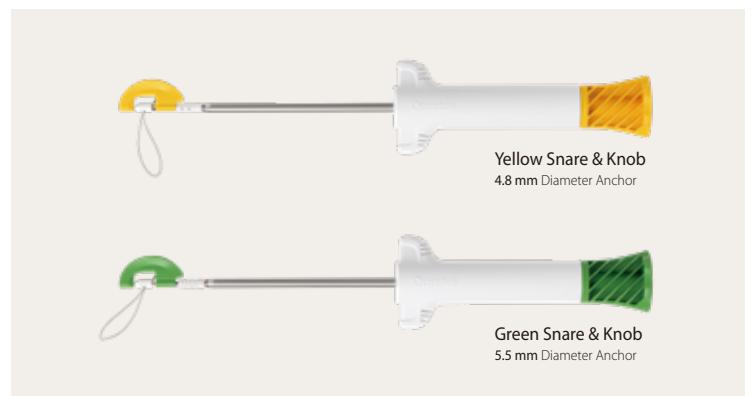
Comprising a biodegradable anchor and eyelet, with no residual materials left within the body.

Bioabsorbable Anchor

Anchor composed of biodegradable polymer PLGA and β -TCP to promote bone formation. Open Window design that enhances rapid bone healing by promoting smooth blood flow.

Driver structure designed to maintain suture tension

Maintains suture tension during anchor insertion.
Preventing excessive tension.



Suture handle designed to enhance user convenience

The design enables the suture to be secured to the handle, thereby improving user convenience. Identification of the anchor through intuitive means utilizing the color of the snare and handle knob.

Quratus[®] Cannula

A device designed to create an access route and facilitate the insertion of an arthroscope or suture anchor.
Consists of a cannula & trocar.

Features

Dual-valve configuration minimizes leakage and ensures effective fluid containment.

Valve design optimized to minimize damage during the use of instruments such as the Suture Hook.



Quratus[®] Instrument

The Quratus[®] Suture Anchor System comprises instruments including an awl and punch/tap.



Punch/Tap

The Quratus[®] Suture Anchor System includes a device that simultaneously creates pilot holes and screw threads for secure anchor fixation in bone.

Awl

The Quratus[®] Suture Anchor System includes a device designed to create pilot holes for secure anchor fixation in bone.



Quratus® Ordering Information

Quratus® Suture Anchor

PRODUCT	MODEL	ANCHOR O.D.	SUTURE	HANDLE COLOR
Quratus® Suture Anchor	QSA-MA-48201	Ø4.8	2 sutures(Blue, White/Black)	Yellow
	QSA-MA-48301	Ø4.8	3 sutures(Blue, White/Blue, White/Black)	
	QSA-MA-55201	Ø5.5	2 sutures(Blue, White/Black)	Green
	QSA-MA-55301	Ø5.5	3 sutures(Blue, White/Blue, White/Black)	
	QSA-MA-65301	Ø6.5	3 sutures(Blue, White/Blue, White/Black)	

Quratus® Knotless Anchor

PRODUCT	MODEL	DESCRIPTION	HANDLE COLOR
Quratus® Knotless Anchor	QSA-LA-48001	Anchor Ø4.8 + 4.8 Eyelet	Yellow
	QSA-LA-55001	Anchor Ø5.5 + 5.5 Eyelet	Green

Quratus® Cannula

PRODUCT	MODEL	DESCRIPTION	COVER HEAD COLOR
Quratus® Cannula	QCA-FT-85800	Full Thread / I.D. Ø8.5 x L 80.0mm	White
	QCA-FT-85450	Full Thread / I.D. Ø8.5 x L 45.0mm	White
	QCA-FT-65800	Full Thread / I.D. Ø6.5 x L 80.0mm	Yellow
	QCA-FT-65450	Full Thread / I.D. Ø6.5 x L 45.0mm	Yellow

Quratus® Instrument

PRODUCT	MODEL	DESCRIPTION	HANDLE COLOR
Quratus® Instrument	QSA-AW-48001	Awl for Ø4.8mm	Silver
	QSA-AW-55001	Awl for Ø5.5mm	Silver
	QSA-PT-48001	Punch / Tap for Ø4.8mm	Silver
	QSA-PT-55001	Punch / Tap for Ø5.5mm	Silver



Quratus®

solmedix,

T +82-2-717-7852
support@solmedix.com

#702/703/706, 330 Seongam-ro, Mapo-gu, Seoul,
03920, Rep. of Korea

www.solmedix.com

Distributed by  **WONIK**

7th FL.Wonik building. 20, Pangyo-ro 255beon-gil,
Bundang-gu, Seongnam-si, Gyeonggi-do,
Korea 13486, Rep. of Korea

www.wonik.co.kr