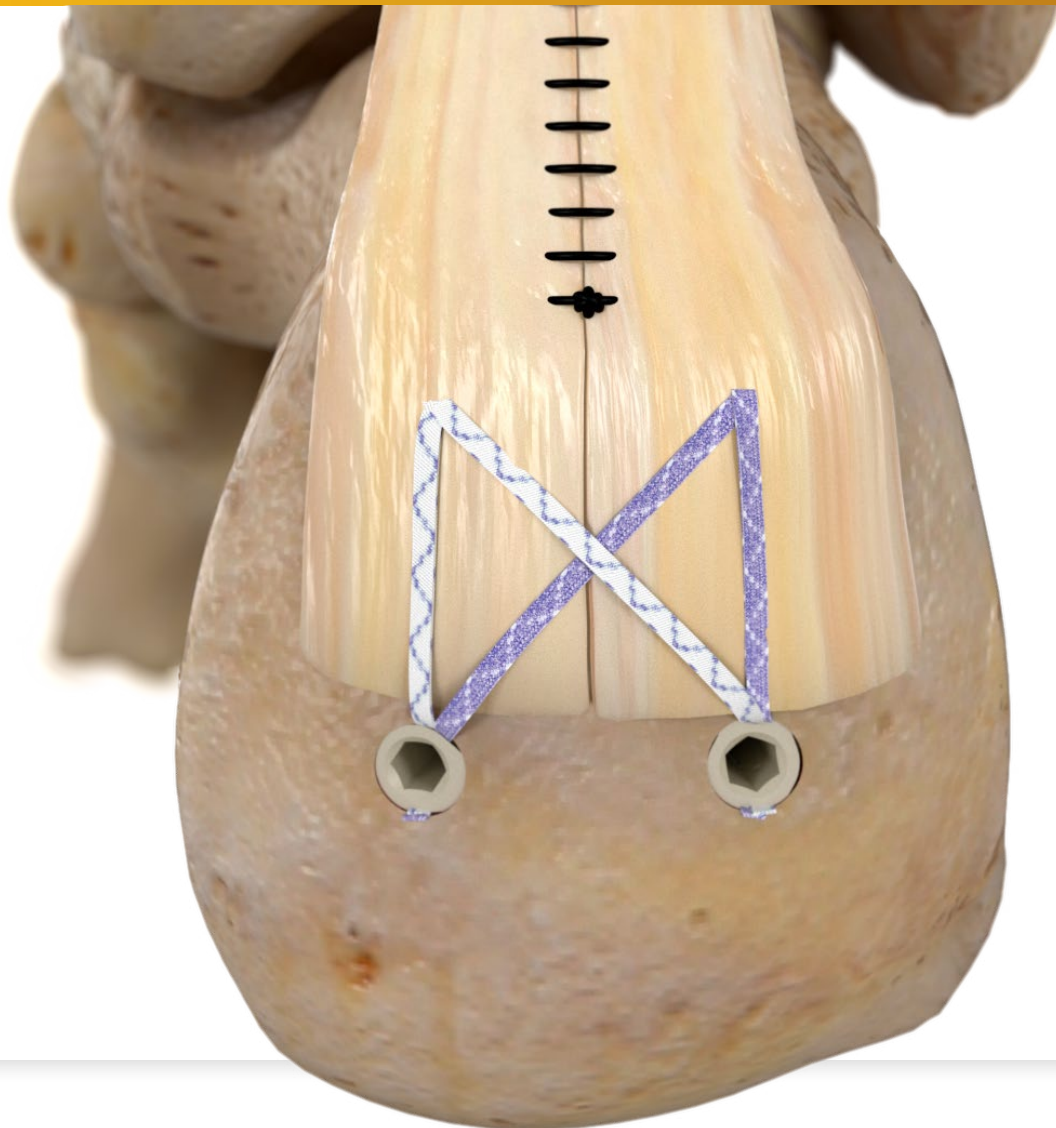


stryker

Surgical procedure

Double-row Achilles tendon repair



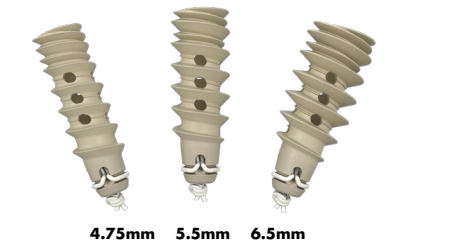
Achilles tendon repair
product offerings

Stryker’s comprehensive Achilles tendon repair platform focuses on robust fixation and options to meet your patient’s needs. Our platform provides simple, efficient, and innovative technologies inclusive of tape and suture configurations with knotless options that allow for adjustable intraoperative tensioning.



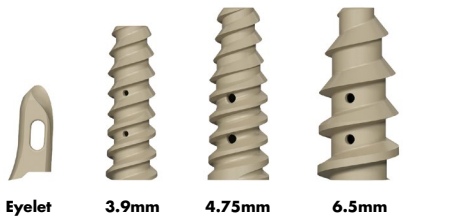
Iconix all-suture anchor platform

The Iconix all-suture anchor platform is offered in both 1.4mm and 2.3mm options with 10 total suture and tape configuration including with and without needles. When deployed, the Iconix Intellibraid technology creates a bunching effect using targeting compression zones within the implant sheath providing optimal fixation.



AlphaVent hard-body, screw-in anchor platform

The AlphaVent hard-body, screw-in anchor platform offers 22 different implant configurations between three sizes of 4.75mm, 5.5mm and 6.5mm. The Alphavent anchor is fully vented with a complete cannulation and offers dual-thread technology to optimize engagement in cortical and cancellous bone.



Omega knotless anchor system

The Omega all-PEEK self-punching knotless anchor is offered in 3.9mm, 4.75mm and 6.5mm options. With a de-coupled eyelet-screw construct, the platform is designed to allow for adjustable, intraoperative tensioning with complete unobstructed cannulation and ease of sizing up in poor bone. Drills, taps and awls are available to aid in creation of the pilot hole.

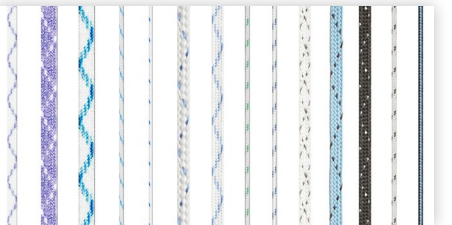
AlphaVent + Omega shared instrumentation

Multiple pilot hole creation options are available with the Alphavent and Omega platform including drills, taps, awls and punch-taps. The reusable instruments come conveniently packaged sterile, ready-to-use with options that fit your needs.



ReelX STT knotless anchor system

The ReelX STT knotless anchor system features an incremental tensioning mechanism which allows for patient specific tissue tensioning during knotless repair. The PEEK body of the anchor expands up to one additional millimeter in diameter while simultaneously locking in tension. ReelX is offered in both a 4.5mm and 5.5mm configuration.

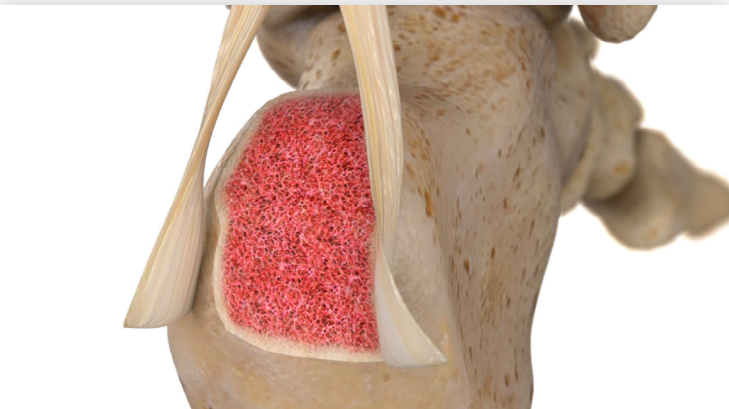


XBraid S, XBraid TT and Force Fiber

XBraid S, XBraid TT and Force Fiber provide a comprehensive suture and tape portfolio across a variety of configurations, including specialty options. Available in 14 color patterns, various width options, multiple lengths and offered both with and without needles.

Achilles tendon repair
surgical procedure

This surgical procedure demonstrates a double-row insertional Achilles tendon repair using the 2.3 Iconix all-suture anchor with 2.0mm XBraid Tiabale Tape with needles and the 3.9mm Omega knotless anchor following debridement and removal of the retrocalcaneal exostosis.

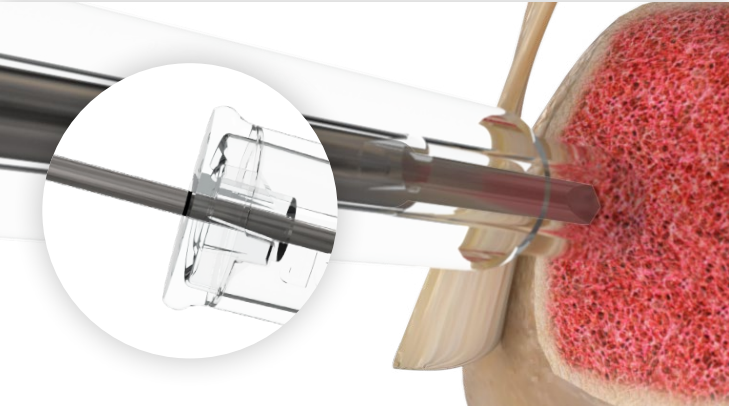


Prepare the superior anchor insertion site for the 2.3mm Iconix all-suture anchor by drilling with the 2.3mm Iconix drill through the disposable drill guide.

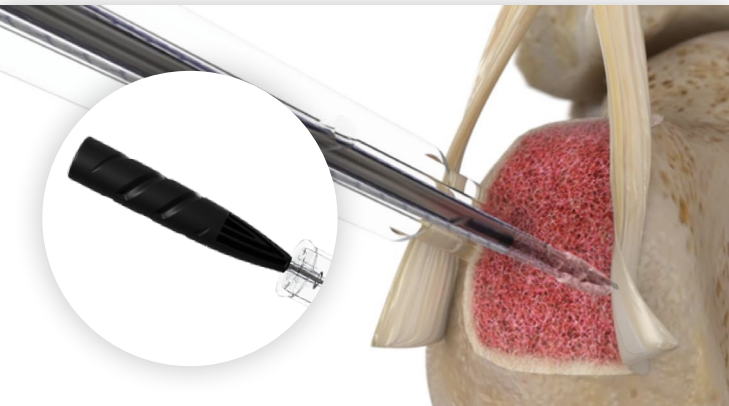


Advance the drill until the black laser marking on the proximal side of the drill matches up with the proximal end of the Iconix drill guide.

Surgical pearl: Ensure the drill guide is flush against the surface of the bone.



While holding the drill guide in place, remove the Iconix drill and insert the 2.3mm Iconix anchor. Firmly press the anchor into the prepared hole and impact until the Iconix anchor is bottomed out against the guide handle hard stop.

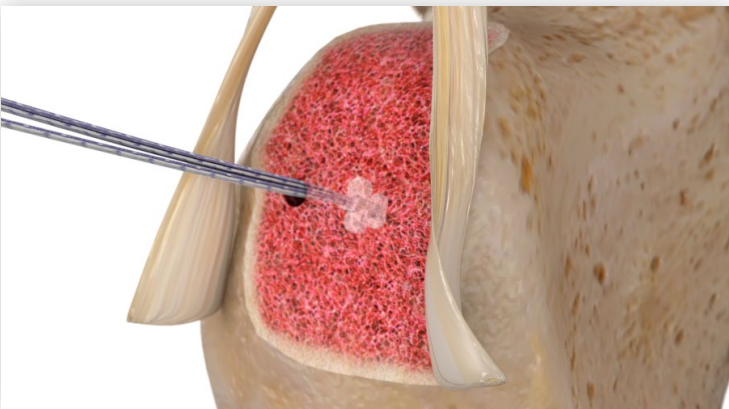


Achilles tendon repair
surgical procedure

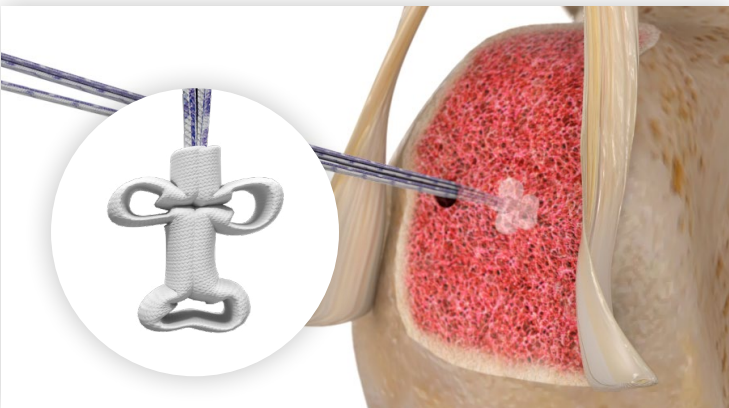
Release the suture tails with needles from the Iconix inserter housing. The suture tails can be moved away from the drill guide using the vertical slit on the side of the Iconix disposable drill guide.



To remove the Iconix inserter from the implant, pull straight back on the shaft. After removing the drill guide, pull slowly and uniformly on the suture tails of the Iconix implant to deploy and set the anchor within the bone.



The Iconix all-suture anchor system features proprietary Intellibraid technology. Upon deployment, the implant creates a bunching effect using targeted compression zones within the implant sheath for optimal fixation.



Repeat the anchor insertion process for a 2nd superior Iconix anchor.

Pearl: The Iconix all-suture anchor shown comes loaded with 2 strands of 2.0mm XBraid tiabale tape. The second strand of tape may either be cut or used as additional tendon fixation.

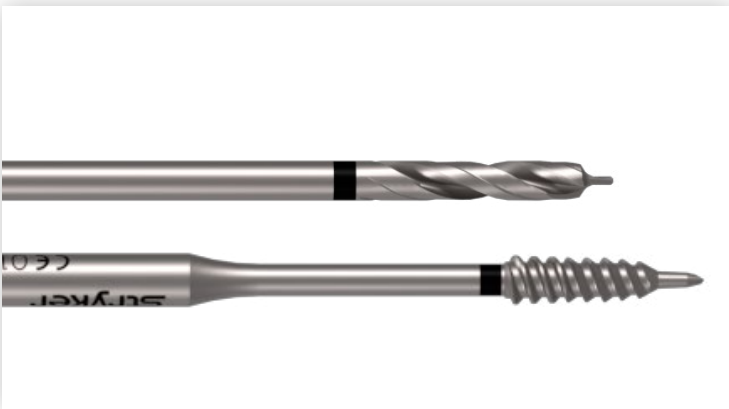


Achilles tendon repair
surgical procedure

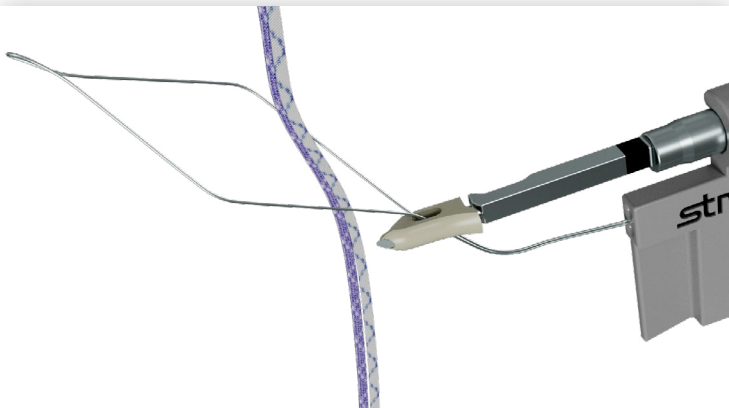
Pass each tail of the 2.0mm XBraid tiabale tape from the Iconix anchor through the Achilles tendon.



Prepare the inferior anchor sites for the Omega knotless anchors by drilling with the 3.9mm Omega drill down to the black laser marking on the drill. If desired, an Omega tap, and drill guide are available to aid in pilot hole creation.

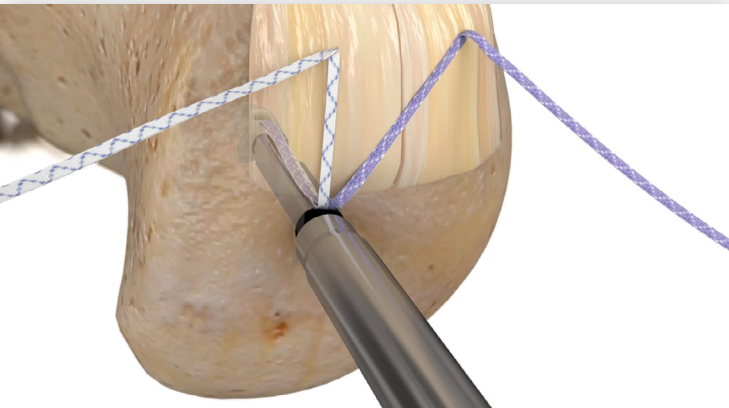


After removing the needles from the XBraid tiabale tape, retrieve one tail from each of the two Iconix all-suture anchors and load them into the eyelet of the first Omega anchor using the pull tab.



Using a mallet, impact the proximal end of the eyelet inserter until the distal end of the black laser line is flush with the bone. Pull straight back to remove the eyelet inserter handle.

Pearl: Setting the suture tension is not necessary at this step, but may be performed if desired.



Achilles tendon repair
surgical procedure

Place the tapered tip of the 3.9mm Omega screw over the pilot hole which can easily be located by following your suture path to the aperture of the hole.

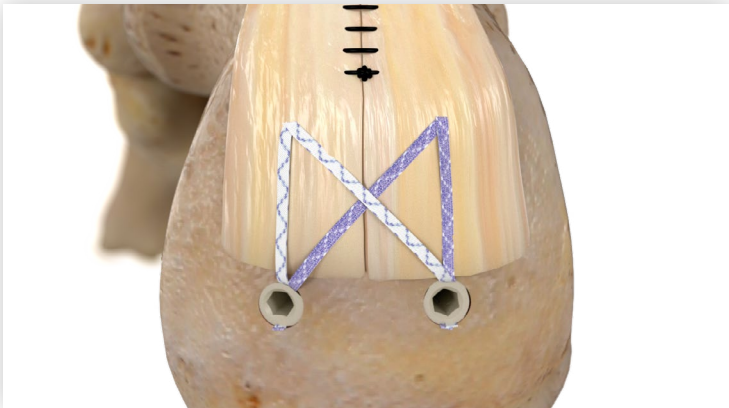
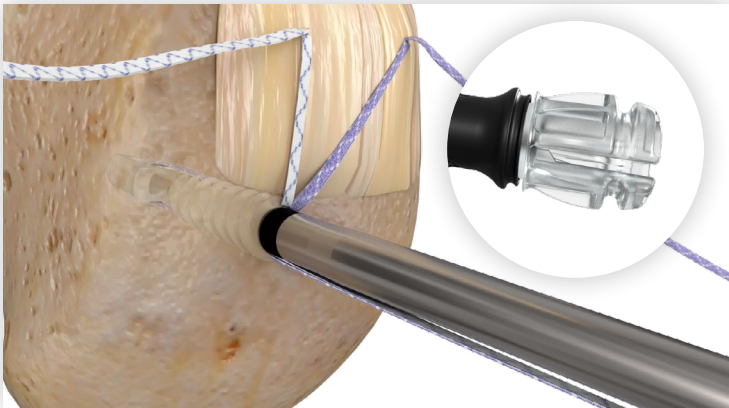
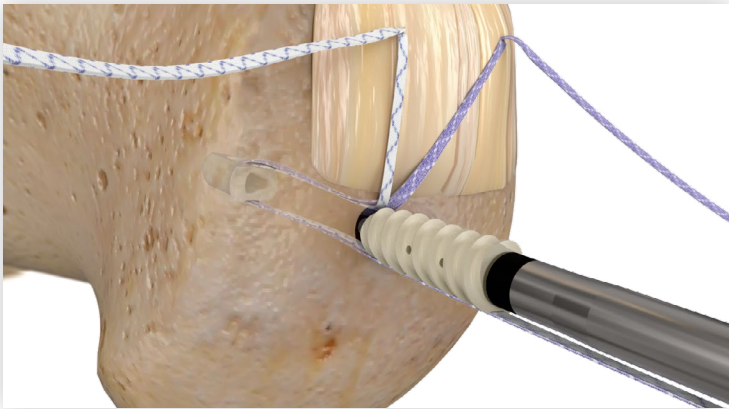
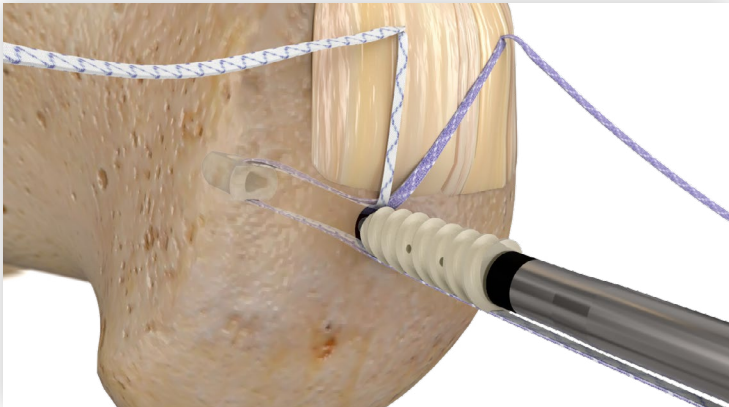
While maintaining slight downward pressure on the screwdriver handle, pull tension on the suture limbs one at a time and place in the cleats if desired

Pearl: The proprietary eyelet is designed to engage and find secure positioning in the bone during tensioning. Depending on the density or quality of the bone, you may feel the eyelet reposition.

Once the desired tension has been achieved, insert the screw by holding the black handle of the screwdriver and simultaneously turning the proximal clear knob clockwise until the implant is flush with the bone.

Pearl: The laser line on the Omega screwdriver is 2.0mm thick to provide a reference point for insertion depth.

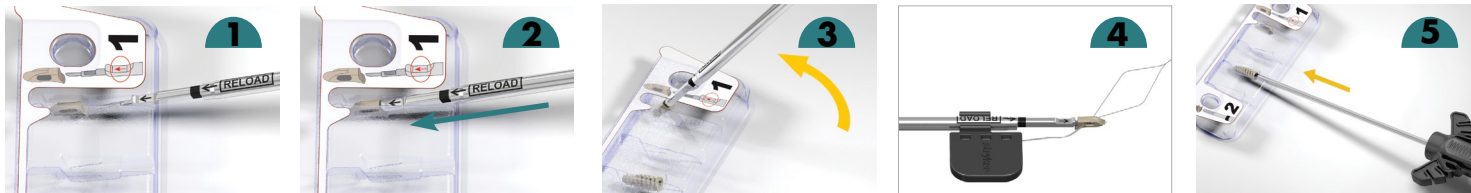
Repeat the process with a second Omega anchor. Cut the remaining suture tails flush to complete the construct.



Achilles tendon repair
surgical procedure

Omega double-double guide for reloading implant blister pack

It is best practice to load the implants with the reload blister pack flat on a table or mayo stand.



Orient the eyelet inserter handle so that **RELOAD** is facing up and the arrow is pointed toward the eyelet. The inserter will be slightly angled, as pictured, for ease of insertion.


Insert the tip of the eyelet inserter into the eyelet and press to engage the eyelet with moderate pressure. A slight click may be felt at this time.

For reference, the proximal edge of the laser line will be flush with the edge of the reload blister pack.


Pivot the inserter handle upwards to disengage and remove the eyelet and handle from the reload blister pack.

Reinsert the pull tab kite through the center of the eyelet and attach to the shaft.

Insert the screwdriver into the screw until flush with the laser line and remove from the reload blister pack by pivoting the handle up similar to the eyelet.



Note: The eyelet, if properly loaded, should be seated on the inserter with the sharp tip of the inserter extending out of the tip of the eyelet and a small gap between the proximal edge of the eyelet and the inserter shaft.



Note: The screw, if properly loaded, should sit flush with the laser line.

Note: Orientation of the screwdriver is not relevant for reloading. Once loaded, ensure the screw is fully seated on the screwdriver.

Iconix all-suture anchor platform



Implants

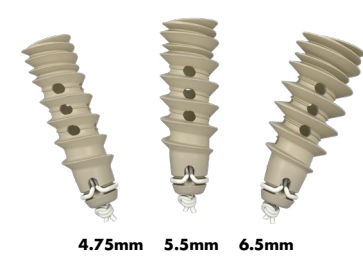
Product number	Description
Iconix	
3910500512	Iconix 1, 1.4mm anchor with 1 strand #2 Force Fiber
3910500522	Iconix 2, 2.3mm anchor with 2 strands #2 Force Fiber
3910500525	Iconix 25, 2.3mm anchor with 2 strands #5 Force Fiber
3910500532	Iconix 3, 2.3mm anchor with 3 strands #2 Force Fiber
Iconix TT	
3910500312	Iconix 1 TT, 1.4mm anchor with 1 strand 1.2mm XBraid TT
3910500322	Iconix 2 TT, 2.3mm anchor with 2 strands 2.0mm XBraid TT
Iconix needles	
3910500212	Iconix 1 needles, 1.4mm anchor with 1 strand 1.2mm XBraid TT
3910500412	Iconix 1 needles, 1.4mm anchor with 1 strand #2 Force Fiber
3910500222	Iconix 2 needles, 2.3mm anchor with 2 strands 2.0mm XBraid TT
3910500422	Iconix 2 needles, 2.3mm anchor with 2 strands #2 Force Fiber



Instrumentation

Product number	Description
3910500212	Iconix 1.4mm disposable drill (20mm depth)
3910500571	Iconix 1.4mm reusable drill (20mm depth)
3910500553	Iconix 12-degree guide for 1.4mm anchor
3910500556	Iconix 12-degree guide for 2.3mm anchor
3910500569	Iconix 2.3mm disposable drill (20mm depth)
3910500574	Iconix 2.3mm reusable awl (for use with short guide)
3910500573	Iconix 2.3mm reusable drill (20mm depth)
3910500554	Iconix 25-degree guide for 1.4mm anchor
3910500557	Iconix 25-degree guide for 2.3mm anchor
3910500562	Iconix pencil tip obturator for 1.4mm anchor (for use with short guide)
3910500563	Iconix pencil tip obturator for 2.3mm anchor (for use with short guide)
3910500558	Iconix slant 12-degree guide for 1.4mm anchor
3910500560	Iconix slant 12-degree guide for 2.3mm anchor
3910500559	Iconix slant 25-degree guide for 1.4mm anchor
3910500561	Iconix slant 25-degree guide for 2.3mm anchor
3910500552	Iconix straight guide for 1.4mm anchor
3910500555	Iconix straight guide for 2.3mm anchor
3910500550	Iconix straight guide short for 1.4mm anchor
3910500551	Iconix straight guide short for 2.3mm anchor
3910500564	Iconix trocar tip obturator for 1.4mm anchor (for use with long guide)
3910500565	Iconix trocar tip obturator for 2.3mm anchor (for use with long guide)

AlphaVent hard-body, screw-in anchor platform



Implants

Product number	Description
4.5mm suture anchors	
3910947022	4.75mm suture anchor, PEEK, 2 strands of #2 Force Fiber
3910947032	4.75mm suture anchor, PEEK, 3 strands of #2 Force Fiber
3910947132	4.75mm suture anchor, PEEK, 3 strands of #2 Force Fiber with needles
3910947021	4.75mm suture anchor, PEEK, 2 strands of 1.4mm XBraid TT
3910947031	4.75mm suture anchor, PEEK, 3 strands of 1.4mm XBraid TT
3910947131	4.75mm suture anchor, PEEK, 3 strands of 1.4mm XBraid TT with needles
3910947020	4.75mm suture anchor, PEEK, 2 strands of 1.8mm XBraid TT
3910947120	4.75mm suture anchor, PEEK, 2 strands of 1.8mm XBraid TT with needles
3910947221	4.75mm suture anchor, PEEK, 1 strand of 1.8mm XBraid TT and 1 strand of 1.4mm XBraid TT
3910947222	4.75mm suture anchor, PEEK, 1 strand of 1.8mm XBraid TT and 1 strand of #2 Force Fiber

Product number	Description
5.5mm suture anchors	
3910955022	5.5mm suture anchor, PEEK, 2 strands of #2 Force Fiber
3910955032	5.5mm suture anchor, PEEK, 3 strands of #2 Force Fiber
3910955132	5.5mm suture anchor, PEEK, 3 strands of #2 Force Fiber with needles
3910955021	5.5mm suture anchor, PEEK, 2 strands of 1.4mm XBraid TT
3910955031	5.5mm suture anchor, PEEK, 3 strands of 1.4mm XBraid TT
3910955020	5.5mm suture anchor, PEEK, 2 strands of 1.8mm XBraid TT
3910955221	5.5mm suture anchor, PEEK, 1 strand of 1.8mm XBraid TT and 1 strand of 1.4mm XBraid TT
3910955222	5.5mm suture anchor, PEEK, 1 strand of 1.8mm XBraid TT and 1 strand of #2 Force Fiber
6.5mm suture anchors	
3910965032	6.5mm suture anchor, PEEK, 3 strands of #2 Force Fiber
3910965031	6.5mm suture anchor, PEEK, 3 strands of 1.4mm XBraid TT
3910965221	6.5mm suture anchor, PEEK, 1 strand of 1.8mm XBraid TT and 1 strand of 1.4mm XBraid TT
3910965222	6.5mm suture anchor, PEEK, 1 strand of 1.8mm XBraid TT and 1 strand of #2 Force Fiber



AlphaVent instrumentation

Product number	Description
3910947207	4.75mm AlphaVent tap
3910947208	4.75mm AlphaVent punch-tap
3910947209	5.5mm AlphaVent tap

Omega knotless anchor system



Implants

Product number	Description
3910500391	Omega, 3.9mm PEEK knotless anchor system, single
3910500392	Omega, 3.9mm PEEK knotless anchor system, double-double
3910500471	Omega, 4.75mm PEEK knotless anchor system, single
3910500472	Omega, 4.75mm PEEK knotless anchor system, double-double
3910500652	Omega, 6.5mm PEEK knotless anchor + eyelet
3910500653	Omega 6.5mm PEEK knotless anchor system, single



Omega instrumentation

Product number	Description
3910947204	3.9mm Omega drill
3910947205	3.9mm Omega tap
3910947206	4.75mm Omega tap
3910500393	Omega 3.9mm drill
3910500394	Omega 3.9mm tap
3910500395	Omega 3.9mm awl
3910500473	Omega 4.75mm drill
3910500474	Omega 4.75mm tap
3910500475	Omega 4.75mm awl

AlphaVent + Omega shared instrumentation



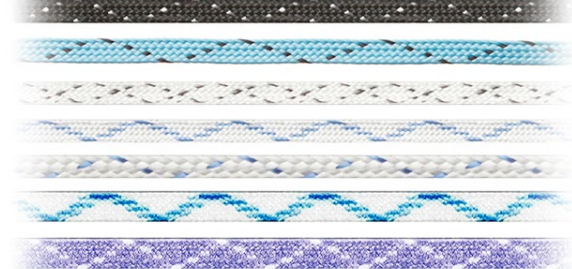
Product number	Description
3910947200	3.9mm Omega and 4.75mm AlphaVent awl
3910947201	4.75mm AlphaVent and Omega awl
3910947202	4.75mm AlphaVent and Omega drill
3910947203	5.5mm AlphaVent and 4.75mm hard bone Omega drill
3910947209	5.5mm AlphaVent tap
3910947212	Drill guide

ReelX STT knotless anchor



Product number	Description
3910600060	5.5mm ReelX STT knotless anchor
3910600062	4.5mm ReelX STT knotless anchor

XBraid S, XBraid TT and Force Fiber



Product number	Description
3910900010	1.0mm XBraid TT, blue/black, suture tape, CT-3 (taper, 1/2c, 22mm), 28" suture
3910900017	1.2mm XBraid TT, violet co-braid, 100% UHMWPE
3910900004	1.4mm XBraid TT, white/blue, suture tape, non-needed, 46" suture
3910900013	1.4mm XBraid TT, black/white, suture tape, non-needed, 40" suture
3910900012	1.4mm XBraid TT, white/blue, suture tape, MO-6 (taper, 1/2c, 26mm), 40" suture
3910900011	1.4mm XBraid TT, blue/black, suture tape, CT (taper, 1/2c, 40mm), 40" suture
3910900002	1.4mm, white/blue, suture tape, non-needed, 40" Overall Length, 9" tape working length
3910900003	1.4mm, white/black, suture tape, non-needed, 40" Overall Length, 9" tape working length
3910900006	1.4mm XBraid TT, blue/black, suture tape, MO-6 (taper, 1/2c, 26mm), 40" suture
3910900005	1.4mm XBraid TT, white/blue, suture tape, CT (taper, 1/2c, 40mm), 40" suture
3910900009	1.4mm XBraid TT, white/blue, suture tape, ST-1 (Straight taper needle, 60mm), on both ends, 40" suture
3910900018	2.0mm XBraid TT, violet co-braid, 100% UHMWPE
3910900019	2.0mm XBraid TT, violet, 100% UHMWPE
3910900015	2.2mm XBraid TT, white/blue, suture tape, MO-6 (taper, 1/2c, 26mm), 40" suture
3910900016	2.2mm XBraid TT, white/black, suture tape, CTX (taper, 1/2c, 48mm), 40" suture
3910900007	2.2mm XBraid TT, white/blue, suture tape, CTX (taper, 1/2c, 48mm), 40" suture
3910900008	2.2mm XBraid TT, white/black, suture tape, MO-6 (taper, 1/2c, 26mm), 40" suture

Sports Medicine

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