



The Peritrochanteric Space The Next Frontier in Hip Repair

Explore the next frontier with technology-leading solutions

Advance your techniques in arthroscopic hip repair with Smith & Nephew tools which address the emerging treatments for the peritrochanteric space – including arthroscopic abductor repair, bursectomy, and iliotibial band (ITB) release.

Arthroscopic Abductor Repair

Shown to successfully treat pain and restore strength to the gluteus medius muscle¹, arthroscopic abductor repair is the new frontier in arthroscopic hip joint repair. HEALICOIL[®], TWINFIX[®] Ultra² and FOOTPRINT[®] Ultra Suture Anchors provide a range of anchor constructs, materials, sizes and suture configurations for double- or single-row fixation techniques.

Abductor Repair, Single-row Technique

HEALICOIL PK Suture Anchor

As Smith & Nephew's newest and innovative anchor for gluteus medius/minimus repairs, the HEALICOIL PK Suture Anchor differs from conventional solid-core implants by eliminating the inner diameter material while still providing excellent fixation security.³ As demonstrated in an ovine study, the unique open architecture of the HEALICOIL PK Suture Anchor allows for new bone to fill the fenestrations between threads and into the central anchor channel. The HEALICOIL contained 63% of the bone volume of control bone by 12 weeks post-implantation in sheep.^{4,5}

High torsional strength during insertion

The HEALICOIL inserter engages 100% the anchor's length, minimizing stress and providing predictable insertion into bone by distributing torque along the entire length of the anchor – essential when placing anchors into hard bone.³

Strong fixation with less material

Compared to conventional, solid-core anchors, the unique open-architecture design of the HEALICOIL Suture Anchor reduces the amount of material left behind while providing excellent fixation strength.³

Proven biocompatibility

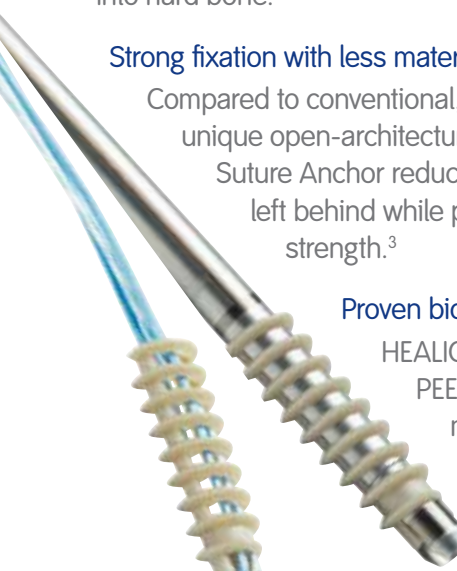
HEALICOIL is made from Invibio[®] PEEK-OPTIMA[®] Polymer material for proven biocompatibility, strength, and radiolucency.

TWINFIX Ultra² Suture Anchors

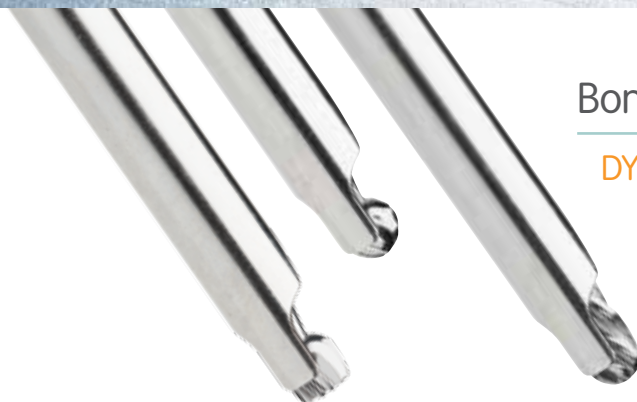
The TWINFIX Ultra family of suture anchors provides the fixation strength and security you've come to know and trust, along with versatile materials and hole-preparation options.

Security and strength

- Transitional thread design provides secure fixation for greater pull-out strength, even in poor bone quality.⁶
- ULTRABRAID[®] high-strength suture allows for superior knot strength and a low-profile knot stack.⁷
- Internal driver supports anchor to optimize force transfer during insertion into all qualities of bone
- Different hole-preparation choices are available for a variety of bone qualities.



1. James E. Voos, MD, Michael K. Shindle, MD, Arianna Pruettt, Peter D. Asnis, MD, and Bryan T. Kelly, MD, "Endoscopic Repair of Gluteus Medius Tendon Tears of the Hip," Am J Sports Med, April 2009 vol. 37 no. 4 743-747.
2. The TWINFIX Ultra HA Suture Anchors have not been approved in Europe for use in abductor tendon and associated gluteus medius repair.
3. ITR-4700: HEALICOIL Suture Anchor competitive testing. Data on file September 2011.
4. Data on file at Smith & Nephew in Validation 15001193.
5. Note: Animal data is not necessarily indicative of human clinical outcomes. These results have not been demonstrated in humans having a variety of bone quality based on specific disease states such as osteoporosis. The effect of formation of new bone on pullout strength was not shown.
6. Data on file at Smith & Nephew, ITR-4091, ITR-4039, ITR-3952, 2009.
7. Lo, Burkhart, Chan and Kyriacos Athanasiou, "Arthroscopic Knots: Determining the Optimal Balance of Loop Security and Knot Security," Arthroscopy 20, no.5 (May-June 2004): 489-502.



Bony Bed Preparation

DYONICS® Hip High Visibility Burrs

- Outer sheath with narrow neck improves visualization of anatomical landmarks.
- Rounded sheath edges help minimize damage to surrounding tissues.

Abductor Repair, Double-row Technique

FOOTPRINT Ultra Suture Anchor

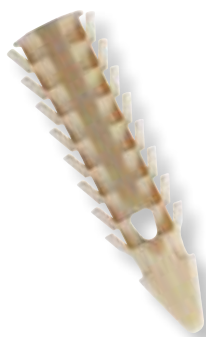
Coupled with TWINFIX Ultra² and/or HEALICOIL PK Suture Anchors in the proximal row, the FOOTPRINT Ultra Suture Anchor provides security and precise tensioning after implantation at the distal row site for double row suture bridging techniques.⁸

Independent Suture Tensioning

- Knotless fixation construct gives surgeons the ability to tension suture after anchor implantation. With a torque limiting handle, the FOOTPRINT provides a positive “stop” to drive the inner plug a specific distance, confirming suture is secured within the anchor body.

Easy to use and reliable

- Anchor insertion is made easy by the exclusive tap-in anchor design.⁸
- Exclusive tap-in anchor with barbed geometry provides optimal pullout strength and easy insertion⁸



Hip Bursectomy

DYONICS Hip Power Shaver Blades

- Full line of extended-length curved and straight shaver blades are designed for optimal access to the hip joint for effective resection of bone and tissue.



DYONICS RF WHIRLWIND 90° Probe

- Offers rapid and precise tissue removal and coagulation of bleeding vessels.
- Powerful high-flow suction quickly removes resected tissue, bubbles and free-floating debris, for an unobstructed image.
- 90° shaft angle; 3.75 mm shaft diameter; 5.5 mm minimum cannula.⁹

⁹. Minimum cannula size tested in engineering study ES00085. Data on file, 2010.

Note: The FOOTPRINT Ultra Suture Anchor is indicated for distal-row abductor tendon repair only.

⁸. Data on file at Smith & Nephew, ITR-4271, 2010.



www.arthrohiprepair.com

Visit www.arthrohiprepair.com or contact your local sales rep to learn more about Smith and Nephew solutions.

ITB Release

BEAVER® Blade

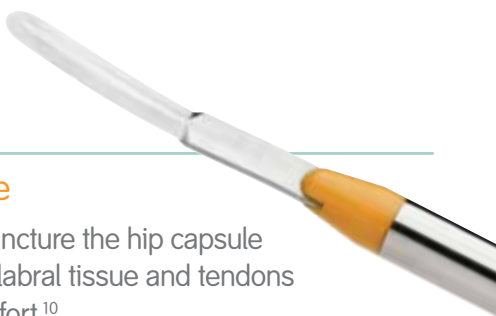
- Designed to puncture the hip capsule and swiftly cut labral tissue and tendons with minimal effort.¹⁰
- Outperforms two of the three main competitive blades, requiring less force to cut and puncture tissue.⁹
- Banana blade shape conforms to the hip's anatomy.
- Sharp, disposable blade for each procedure.

10. Data on file at Smith & Nephew, ITR 15001327, 2011.

DYONICS RF Hook 30° Probe

- Single, fully-exposed electrode helps achieve an aggressive, yet controllable cut.
- Simultaneously coagulates bleeding vessels.
- 30° shaft angle; 3.0 mm shaft diameter; 8.5 mm minimum cannula.⁹

9. Minimum cannula size tested in engineering study ES00085. Data on file, 2010.





Images courtesy of J.W. Thomas Byrd, MD

HEALICOIL[◇] PK Suture Anchor

Open architecture allows for

- Bony ingrowth as shown in ovine study^{2,3}
- Less material than solid-core anchors⁴
- High torsional strength⁴
- Proven biocompatibility

2. Data on file at Smith & Nephew in Validation 15001193

3. Note: Animal data is not necessarily indicative of human clinical outcomes. These results have not been demonstrated in humans having a variety of bone quality based on specific disease states such as osteoporosis. The effect of formation of new bone on pullout strength was not shown.

4. ITR-4700: HEALICOIL Suture Anchor competitive testing. Data on file September 2011.

Ordering Information

Reference #	Description
Repair anchors, Primary Row	
HEALICOIL® Suture Anchors	
72203378	HEALICOIL PK 4.5 mm Suture Anchor with two ULTRABRAID® (#2) Sutures (blue, blue-Cobraid)
72203379	HEALICOIL PK 5.5 mm Suture Anchor with two ULTRABRAID (#2) Sutures (blue, blue-Cobraid)
72203380	HEALICOIL PK 5.5 mm Suture Anchor with three ULTRABRAID (#2) Sutures (blue, blue-Cobraid, Cobraid-black)

TWINFIX® Ultra PK Suture Anchor	
72202595	TWINFIX Ultra PK 4.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202623	TWINFIX Ultra PK 4.5 mm Anchor with two #2 sutures (COBRAID blue, COBRAID-black)
72202599	TWINFIX Ultra PK 5.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202625	TWINFIX Ultra PK 5.5 mm Anchor with two #2 sutures (COBRAIDblue, COBRAID-black)
72202600	TWINFIX Ultra PK 5.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)
72202605	TWINFIX Ultra PK 6.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202630	TWINFIX Ultra PK 6.5 mm Anchor with two #2 sutures (COBRAIDblue, COBRAID-black)
72202606	TWINFIX Ultra PK 6.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)

TWINFIX Ultra HA Suture Anchor	
72202597	TWINFIX Ultra HA 4.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202624	TWINFIX Ultra HA 4.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black)
72202602	TWINFIX Ultra HA 5.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202626	TWINFIX Ultra HA 5.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black)
72202603	TWINFIX Ultra HA 5.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)

Drills and Instruments for Hip Anchor (sold separately)

		HEALICOIL 4.5 PK	TWINFIX 5.5 PK	TWINFIX 5.5 Ti	FOOTPRINT 4.5 PK	Recommended for
72202621	3.8 Tapered Awl, Disposable	●	●	●	●	Normal bone density
72201915	3.8 Tapered Awl Reusable	●	●	●	●	Normal bone density
72203335	4.5 HEALICOIL Awl Dilator, reusable	●				
72203482	3.5 HEALICOIL Spade Tip Drill	●				
72202634	5.5/6.5 Awl Dilator		●			Hard bone density
72202116	3.5 mm Spade Tip Drill				●	Hard bone density
72201707	4.5 mm Spade Tip Drill		●	●		Hard bone density
72201450	3.8 mm Straight Awl – Reusable				●	
72202986	3.8 mm Straight Awl – Disposable				●	

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Reference #	Description
72202608	TWINFIX Ultra HA 6.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202631	TWINFIX Ultra HA 6.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black)
72202610	TWINFIX Ultra HA 6.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)

TWINFIX Ultra Ti Suture Anchor	
72202893	TWINFIX Ultra Ti 4.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202894	TWINFIX Ultra Ti 4.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black)
72202895	TWINFIX Ultra Ti 5.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202896	TWINFIX Ultra Ti 5.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black)
72202897	TWINFIX Ultra Ti 5.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)
72202898	TWINFIX Ultra Ti 6.5 mm Anchor with two #2 sutures (white, COBRAID-blue)
72202899	TWINFIX Ultra Ti 6.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black)
72202900	TWINFIX Ultra Ti 6.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)

Repair Anchors, Secondary Row	
72202901	FOOTPRINT® Ultra 4.5 mm Suture Anchor
72202902	FOOTPRINT Ultra 5.5 mm Suture Anchor

Suture Management Instruments	
72200440	CLEARTRAC® COMPLETE Hip Cannula 7.0 mm x 90 mm (box of 6)
72200437	CLEARTRAC COMPLETE Hip Cannula 8.5 mm x 90 mm (box of 6)
72202588	Suture Cutter XL
72203052	Suture Cutter Flush XL
72202587	Knot Pusher XL
7210423	ACCU-PASS® 45°, Left, sterile
7210424	ACCU-PASS 45°, Right, sterile
7210425	ACCU-PASS 45°, Upbend, sterile
7210426	ACCU-PASS Straight, sterile
72200419	ACCU-PASS 70°, Upbend, sterile
72201361	ACCU-PASS Monofilament, Size #1, Package of 10, sterile

Resection Instruments	
72203307	Beaver® Blade, Box of 6
72203308	Beaver Handle and Wrench
72203127	High Visibility Sheath 5.5 mm Abrader Burr
72203128	High Visibility Sheath 4.0 mm Abrader burr
7205341	4.5 mm Long Full Radius, Package of 3
7205343	4.5 mm Long Incisor, Package of 3
6900678	5.5 mm Long Full Radius, Package of 3
72200681	DYONICS® EFLEX TAC-S Probe with integrated cable
72202139	DYONICS RF-S WHIRLWIND 90° Probe
72202145	DYONICS RF Hook 30° Probe

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