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Absorb the benefits of strong,
versatile rotator cuff repair.

 **smith&nephew**
TWINFIX[®] Ultra HA
Suture Anchor

TWINFIX® Ultra HA Suture Anchors

TWINFIX® Ultra HA Suture anchors with ULTRABRAID® Suture combine strength, versatility and biocompatibility for optimal rotator cuff repairs.

Strength:

- Transitional thread design provides secure fixation with distal “cutting” threads for easier insertion and proximal “locking” threads for stronger pullout strength, even in poor bone quality.¹
- The anchor is designed to be supported by the internal driver to optimize force transfer during insertion into bone.
- ULTRABRAID Suture provides stronger knot strength than competitive suture and a low-profile knot stack.²

Versatile:

- Multiple anchor sizes: 4.5 mm, 5.5 mm, 6.5 mm.
- Multiple suture configurations; with double or triple ULTRABRAID Sutures.
- Specific hole preparation instruments address differing humeral bone quality.

Biocompatible:

- Bio-composite material, PLLA-HA is a natural bone mineral shown to promote bone replacement.³
- HA (hydroxyapatite) exists in the body, making it naturally biocompatible.
- HA provides a consistent degradation cycle by neutralizing the acidity of the area, allowing higher strength retention over time.⁴

1 Data on file at Smith & Nephew: ITR-4206, ITR-4039, ITR-4018 and ITR-4091

2 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

3 S.D. Cook, D.A. Funk, T.P. Schmalzried. Orthopedic Biomaterials and Implant Fixation, instructional course lecture, AAOS 63rd meeting.

4 C.M. Agrawal, K.A. Athanasiou; Technique to control PH in vicinity of biodegrading PLS-PGA implants, J. Biomed Materials Research, 39 (2) (1997): 105-114.

TWINFIX Ultra Repair System

Ref#	Description
72202597	TWINFIX Ultra HA 4.5 mm Anchor with two #2 sutures (white, COBRAID-blue) sterile
72202624	TWINFIX Ultra HA 4.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black) sterile
72202602	TWINFIX Ultra HA 5.5 mm Anchor with two #2 sutures (white, COBRAID-blue) sterile
72202626	TWINFIX Ultra HA 5.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black) sterile
72202603	TWINFIX Ultra HA 5.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)
72202608	TWINFIX Ultra HA 6.5 mm Anchor with two #2 sutures (white, COBRAID-blue) sterile
72202631	TWINFIX Ultra HA 6.5 mm Anchor with two #2 sutures (COBRAID-blue, COBRAID-black) sterile
72202610	TWINFIX Ultra HA 6.5 mm Anchor with three #2 sutures (white, COBRAID-blue, COBRAID-black)

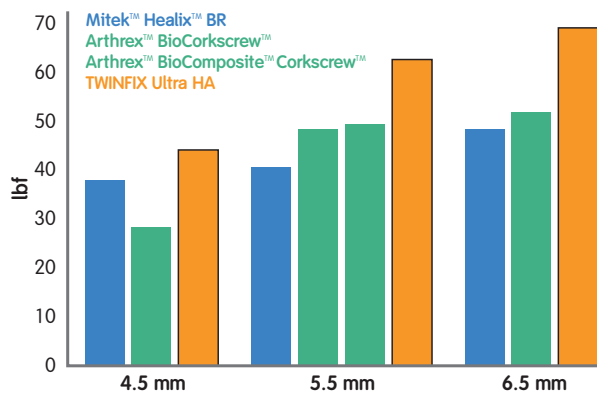
Instruments

72202633	4.5 Awl-Dilator
72202634	5.5/6.5 Awl-Dilator
72202116	3.5 mm Spade Tip Drill for use with 4.5 mm Anchor hole preparation device for hard bone
72201707	4.5 mm Spade Tip Drill for use with 5.5 mm Anchor hole preparation device for hard bone
72201708	5.5 mm Spade Tip Drill for use with 6.5 mm Anchor hole preparation device for hard bone

Distal “cutting” and proximal “locking” threads allow for easy insertion.

Internal anchor eyelet protects sutures while maintaining superior sliding capabilities.

Fixation Strength (25/5 pcf)*†



* Data on file at Smith & Nephew 2010: ITR-4279, ITR-4039

† Competitive information is for distribution in the US only

