

*HEALIX TRANSTEND™
Implant System:*

*A percutaneous solution for
partial tears of the rotator cuff.*

Partial tear. Complete solution.

never stop moving®

HEALIX TRANSTEND Implant System

The all-new HEALIX TRANSTEND Implant System represents a revolutionary advancement in the treatment of partial thickness rotator cuff tears. This comprehensive percutaneous solution, featuring HEALIX TRANSTEND Anchors and the innovative PERCANNULA™ System, enables the reattachment of a partially torn rotator cuff while minimizing tendon trauma and maximizing procedural visualization.

Engineered for the repair of both small and large partial thickness rotator cuff tears, this novel solution not only aids in the prevention of tear propagation, but it also allows for the retention of the connected tendon, ultimately preserving the patient's natural anatomy.

HEALIX TRANSTEND Implant System	1
The Comprehensive Procedural Solution	2
Product Features and Benefits	
HEALIX TRANSTEND Anchors	3
PERCANNULA System	4
Surgical Techniques*	
– Anchor insertion technique	5-6
– Two-anchor repair	7
– One-anchor repair	8
Ordering Information	9-10

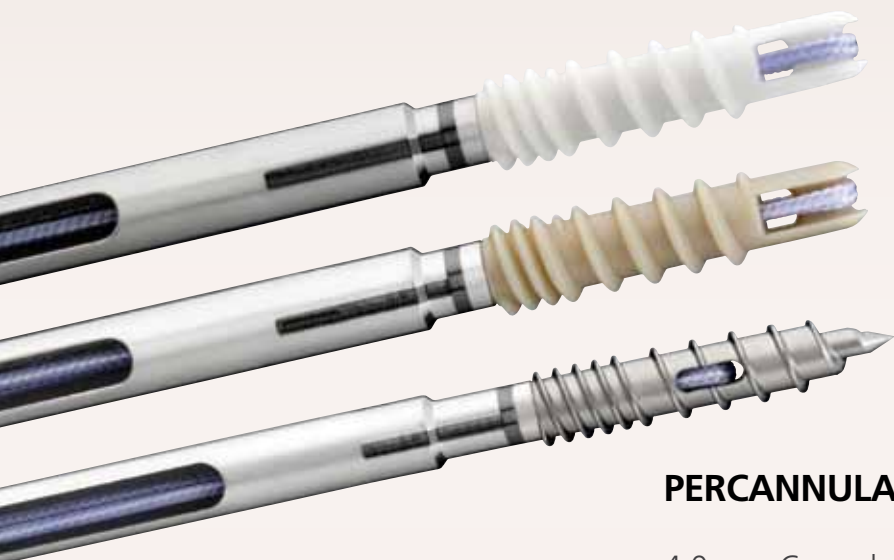


*Surgical technique contributions provided by Amir R. Moinfar, M.D., Baltimore, MD.

The Comprehensive Procedural Solution

The HEALIX TRANSTEND Implant System is available in 1- or 2-anchor sets. Each set includes:

- 1 or 2 BIOCRYL® RAPIDE™ (BR), PEEK, or Titanium (Ti) HEALIX TRANSTEND anchor(s)
- PERCANNULA System (Cannula, Obturator and Guidewire)



HEALIX TRANSTEND Anchors

- 3.4 mm BR anchor
- 3.4 mm PEEK anchor
- 2.9 mm Ti anchor

PERCANNULA System

- 4.0 mm Cannula
- Cannulated Obturator
- 1.1 mm Guidewire



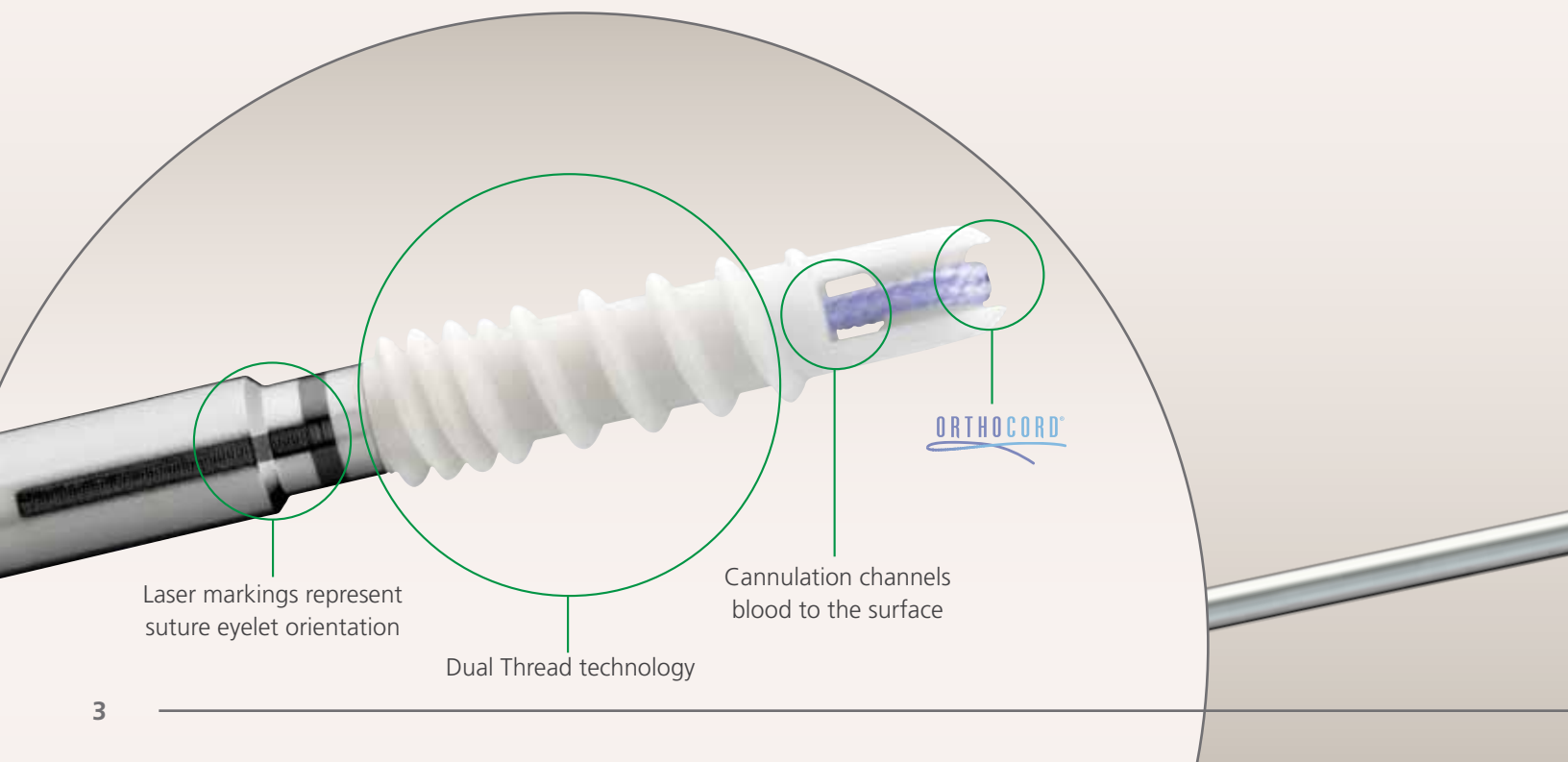
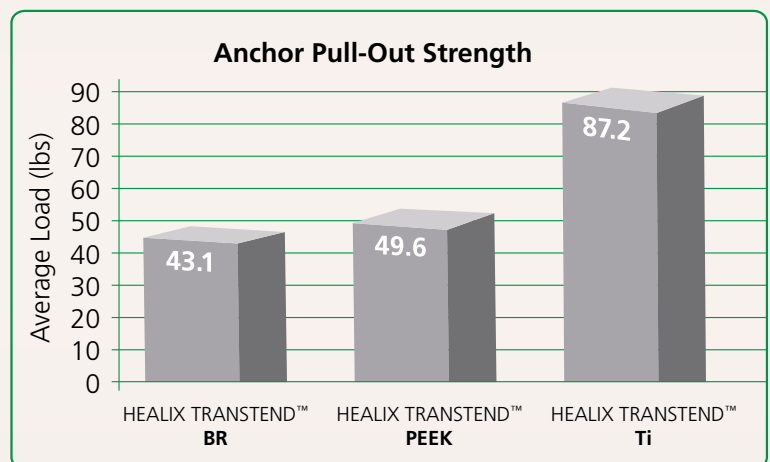
Features and Benefits: HEALIX TRANSTEND Anchors

The HEALIX TRANSTEND Anchor features:

- Material choice: BIOCRYL RAPIDE (BR), PEEK, TITANIUM (Ti)
- Small diameter anchors to provide optimal strength while allowing for more tissue to bone contact
- Cannulation to channel blood to the surface
- Dual thread pattern to maximize pull-out strength by independently engaging both cortical and cancellous bone
- Preloaded with ORTHOCORD® high strength suture
 - 55 lbs of tensile strength*
 - 45% less stiff than Fiberwire†

* Data on file at DePuy Mitek.

† Fiberwire is a registered trademark of Arthrex, Inc.

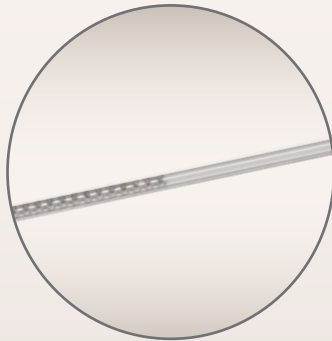


Features and Benefits: PERCANNULA System

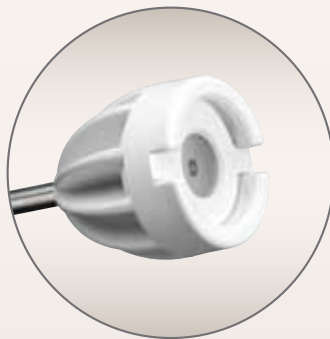
The new and innovative PERCANNULA System is designed to enhance procedural efficiency and features:

- **4.0 mm Cannula**
 - Small diameter cannula minimizes tendon trauma
 - Double dam aids in the prevention of fluid leakage
 - Innovative distal rib allows for the retraction of the rotator cuff, ultimately enhancing visualization during the procedure
- **Cannulated Obturator**
 - Trocar-tipped obturator fits easily over the Guidewire and aids in cannula insertion through the rotator cuff
- **1.1 mm Guidewire**
 - Sharp-tipped Guidewire easily penetrates tissue
 - Roughened surface allows for easier gripping in the wet surgical environment
 - 3 mm laser markings available for reference

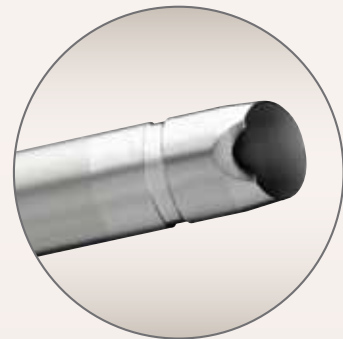
PERCANNULA™
SYSTEM



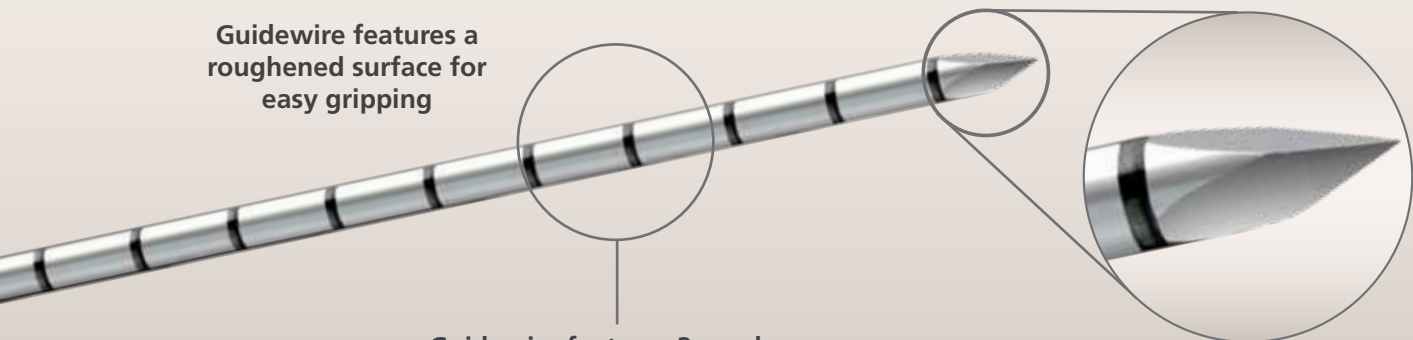
Guidewire features a roughened surface for easy gripping



Cannula features a double dam to prevent fluid leakage



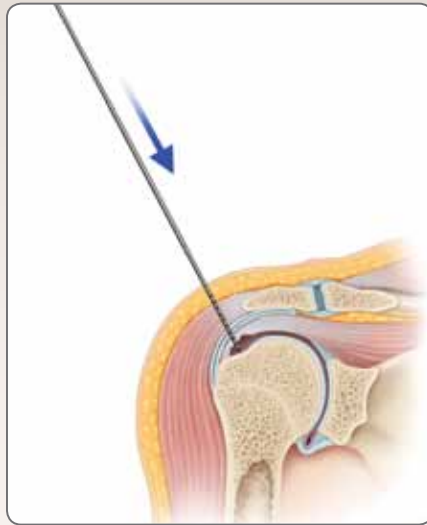
Cannula features an innovative distal rib for rotator cuff retraction, enhancing visualization



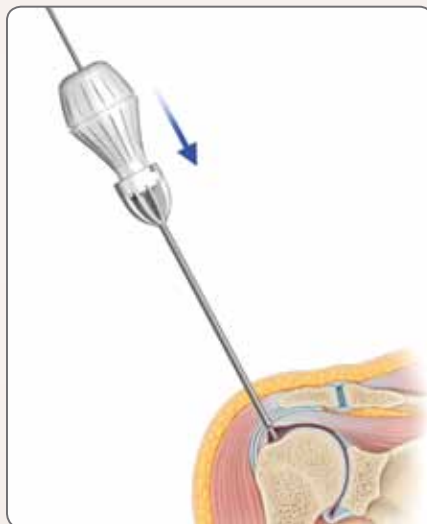
Guidewire features 3 mm laser markings for reference

Guidewire features a sharp tip to easily penetrate tissue

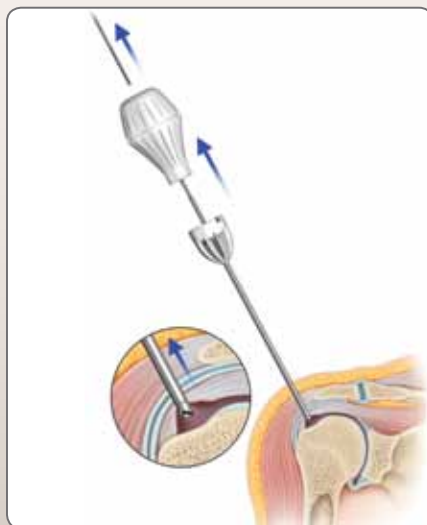
Anchor Insertion Technique



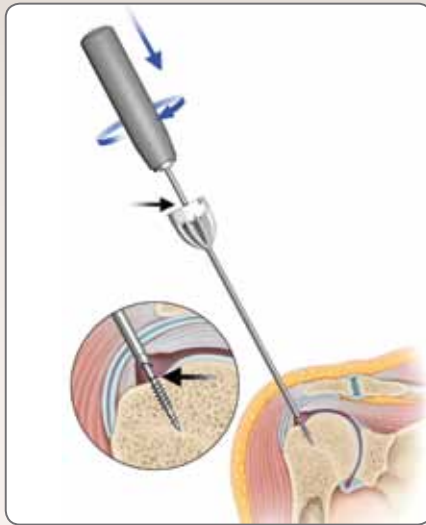
- 1** Insert the trocar-tipped Guidewire percutaneously through the rotator cuff and to the location on the humeral head where anchor insertion is desired (typically on the medial footprint). Maintaining the shoulder in abduction and external rotation may aid in visualization and Guidewire placement.



- 2** Place the cannula and obturator assembly over the Guidewire. Insert into the shoulder and through the rotator cuff. Occasionally a more lateral insertion approach may be necessary to penetrate the rotator cuff.



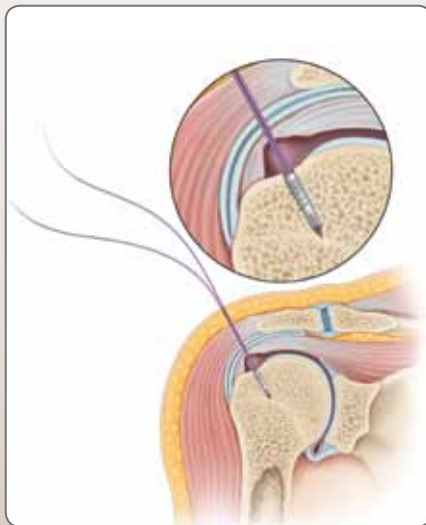
- 3** Remove the Guidewire and obturator, leaving only the cannula through the rotator cuff. For enhanced visualization, pull back on the cannula allowing for the distal rib to retract the rotator cuff.



4 For the BR or PEEK anchor, insert the Awl/Tap: mallet the Awl/Tap until the distal threads are inserted and the smooth section of the Awl/Tap is buried. Then continue to insert by turning in a clockwise direction until the distal laser line is flush with the bone surface. Do not use the Awl/Tap for the Ti anchor.



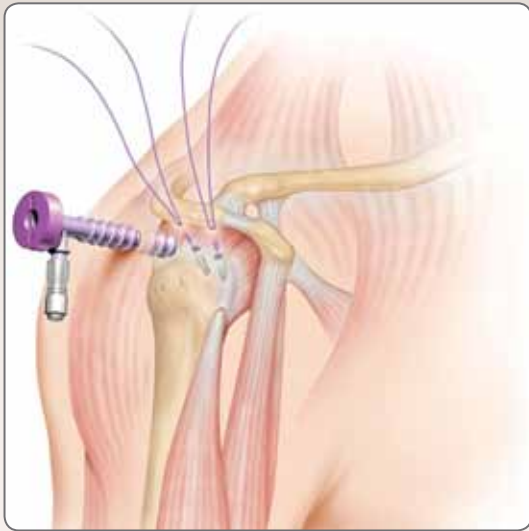
5 Insert the anchor by turning clockwise until the anchor is fully inserted and the distal laser line is flush with bone. For the BR and PEEK anchor make sure to insert the anchor at the same angle as the Awl/Tap. There are laser markings distally and proximally to represent suture eyelet orientation.



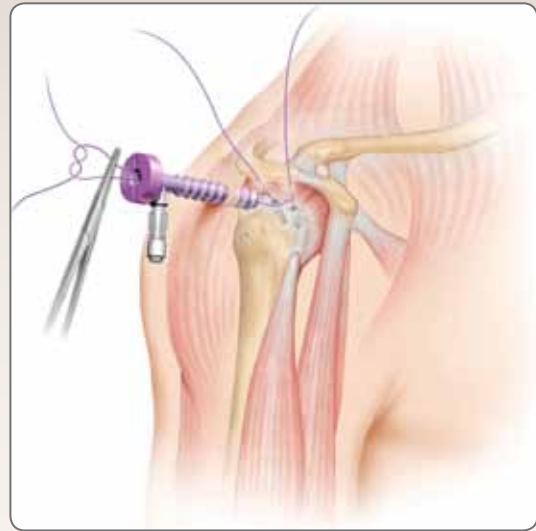
6 If inserting only one anchor, remove the cannula and complete the **one-anchor repair** as outlined on page 8.

If inserting a second anchor, start from Step 1 and choose another location for the placement of the second anchor. Complete the **two-anchor repair** as outlined on page 7.

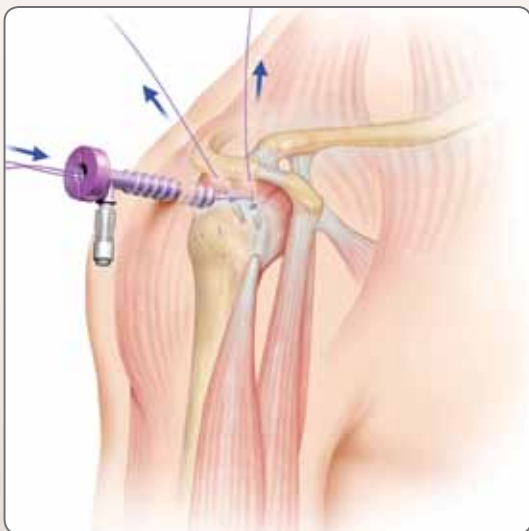
Two-Anchor Repair – Continued from steps 1-6



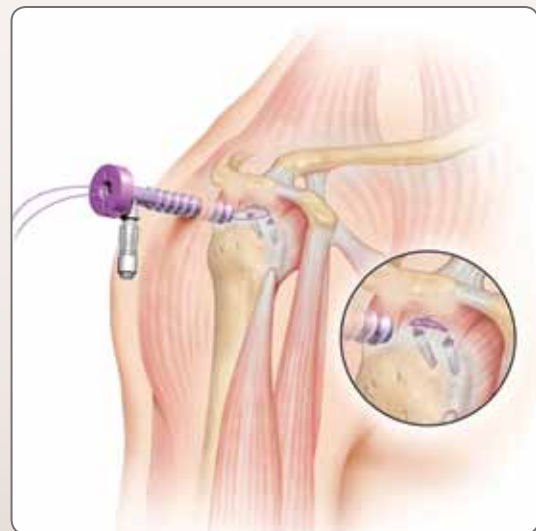
7 Once two anchors are inserted, place the arthroscope in a posterior portal in the subacromial space. Insert a cannula laterally in the same portal used for subacromial decompression.



8 Retrieve one suture limb from each anchor outside of the cannula. Outside of the shoulder, place a clamp on the sutures. Tie the two suture limbs together down to the clamp.

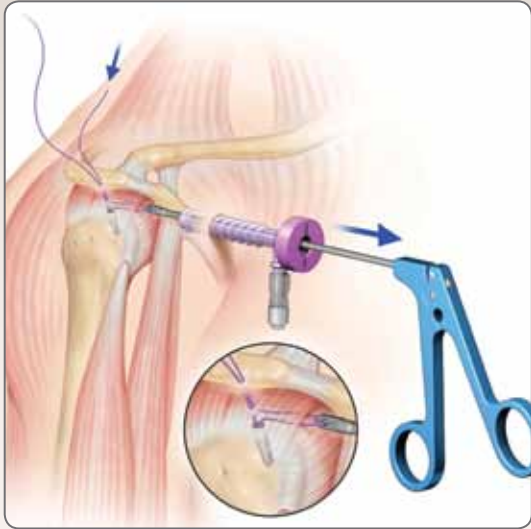


9 Shuttle the knot into the shoulder by pulling on the two remaining percutaneous limbs.



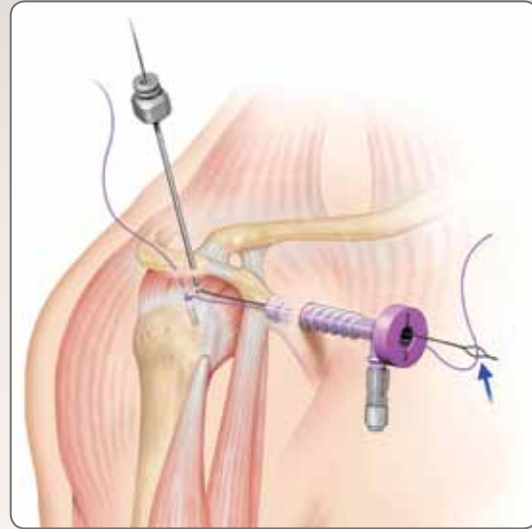
10 Retrieve the remaining two limbs through the cannula. Tie them using a non-sliding knot to complete the repair. Use the CordCutter to remove excess suture.

One-Anchor Repair – Continued from steps 1-6

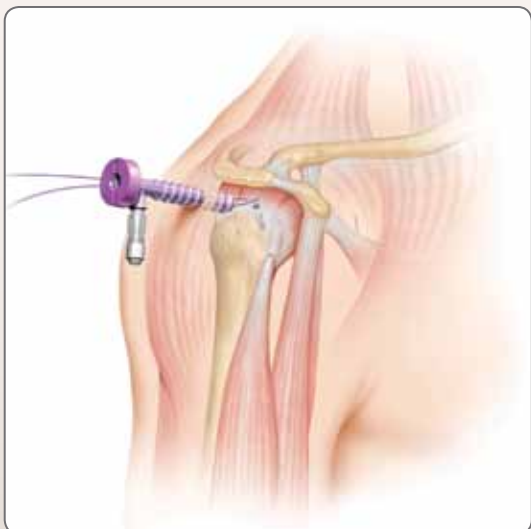


- 7** Once one anchor is placed, insert the Grasper-Grabber device to retrieve one suture limb through an anterior cannula.

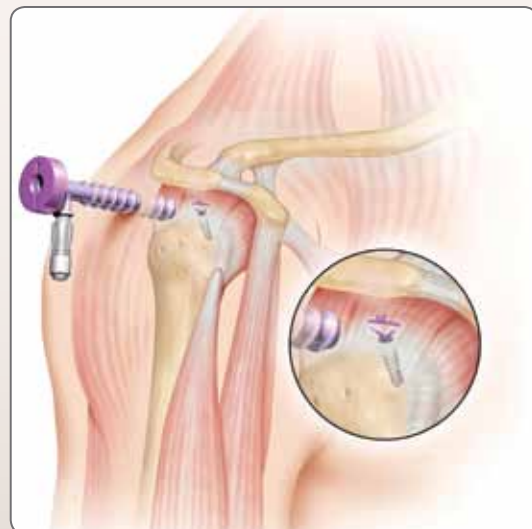
Insert a spinal needle through the rotator cuff at the location to pass suture.



- 8** Insert a CHIA PERCPASSER™ through the spinal needle and retrieve through the anterior cannula. Place the suture limb into the CHIA kite, remove the spinal needle and pull back on the distal end of the CHIA to pass the suture limb. Repeat steps 7 and 8 on this page to pass the second suture limb.



- 9** Place the arthroscope in the posterior portal of subacromial space. Remove the cannula from the anterior portal and place in a lateral portal in the subacromial space. Retrieve both suture limbs through the cannula.



- 10** Tie an arthroscopic knot through the lateral cannula to complete the repair. Use the CordCutter to remove excess suture.

Ordering Information:



HEALIX TRANSTEND Implant System and Instrumentation

222261	HEALIX TRANSTEND (BR/1) Implant System (1 BR Anchor, PERCANNULA System)	EA
222263	HEALIX TRANSTEND (BR/2) Implant System (2 BR Anchors, PERCANNULA System)	EA
222278	HEALIX TRANSTEND (PEEK/1) Implant System (1 PEEK Anchor, PERCANNULA System)	EA
222280	HEALIX TRANSTEND (PEEK/2) Implant System (2 PEEK Anchors, PERCANNULA System)	EA
222266	HEALIX TRANSTEND (Ti/1) Implant System (1 Ti Anchor, PERCANNULA System)	EA
222268	HEALIX TRANSTEND (Ti/2) Implant System (2 Ti Anchors, PERCANNULA System)	EA
222273	HEALIX TRANSTEND 3.4 mm Awl/Tap (for BR and PEEK Anchors)	1/box
222281	HEALIX TRANSTEND 2.2 mm Drill Bit (optional for Ti anchor)	1/box



PERCANNULA System

222274	PERCANNULA System	1/box
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Instruments to complement the HEALIX TRANSTEND Implant System Technique

214101	CHIA PERCPASSER Suture Passer	5/box
270120	Grasper-Grabber Suture/Tendon Grabber	1/box

HEALIX Family of Anchors

HEALIX BR™ Anchor

222229	4.5 mm HEALIX BR Anchor w/ ORTHOCORD	EA
222233	5.5 mm HEALIX BR Anchor w/ ORTHOCORD	EA
222238	6.5 mm HEALIX BR Anchor w/ ORTHOCORD	EA
222232	5.5 mm HEALIX BR Anchor w/ ORTHOCORD and Needles	EA
222239	6.5 mm HEALIX BR Anchor w/ ORTHOCORD and Needles	EA



HEALIX PEEK™ Anchor

222205	4.5 mm HEALIX PEEK Anchor w/ ORTHOCORD	EA
222209	5.5 mm HEALIX PEEK Anchor w/ ORTHOCORD	EA
222221	6.5 mm HEALIX PEEK Anchor w/ ORTHOCORD	EA
222210	5.5 mm HEALIX PEEK Anchor w/ ORTHOCORD and Needles	EA
222215	6.5 mm HEALIX PEEK Anchor w/ ORTHOCORD and Needles	EA
222207	5.5 mm HEALIX PEEK 3-Suture w/ ORTHOCORD	EA
222219	6.5 mm HEALIX PEEK 3-Suture w/ ORTHOCORD	EA



HEALIX Ti™ Anchor

222253	4.5 mm HEALIX Ti Anchor w/ ORTHOCORD	EA
222245	5.5 mm HEALIX Ti Anchor w/ ORTHOCORD	EA
222249	6.5 mm HEALIX Ti Anchor w/ ORTHOCORD	EA
222242	5.5 mm HEALIX Ti Anchor w/ ORTHOCORD and Needles	EA
222248	6.5 mm HEALIX Ti Anchor w/ ORTHOCORD and Needles	EA
222271	4.5 mm HEALIX Ti 3-Suture Anchor w/ ORTHOCORD	EA
222243	5.5 mm HEALIX Ti 3-Suture Anchor w/ ORTHOCORD	EA
222241	6.5 mm HEALIX Ti 3-Suture Anchor w/ ORTHOCORD	EA



HEALIX Instruments (For use with HEALIX BR & HEALIX PEEK)

222223	HEALIX Awl	1/box
222226	4.5 mm HEALIX Cortical Awl/ Tap	1/box
222251	5.5 mm HEALIX Cortical Awl/ Tap	1/box
222272	4.5 mm HEALIX Full Awl/ Tap	1/box
222224	5.5 mm HEALIX Full Awl/ Tap	1/box
222225	6.5 mm HEALIX Full Awl/ Tap	1/box



VERSALOK® Anchors and Instrumentation

210818	VERSALOK PEEK Anchor w/ ORTHOCORD	EA
210808	VERSALOK Anchor w/ ORTHOCORD	EA
214710	Deployment Gun	1/box
214711	2.9 mm Awl	1/box



EXPRESSEW® INSTRUMENTS

214124	EXPRESSEW III w/ Hook	1/box
214140	EXPRESSEW III w/o Hook	1/box
214141	EXPRESSEW III Needle (for use with E II and EIII)	5/box

Clear Cannula System

214104	Clear Cannula Threaded, 5.5 mm x 55 mm	5/box
214106	Clear Cannula Smooth, 5.5 mm x 75 mm	5/box
214107	Clear Cannula Smooth Distal Rib, 5.5 mm x 75 mm	5/box
214108	Clear Cannula Threaded, 5.5 mm x 75 mm	5/box
214110	Clear Cannula Threaded, 5.5 mm x 90 mm	5/box
214114	Clear Cannula Smooth, 7.0 mm x 75 mm	5/box
214115	Clear Cannula Smooth Distal Rib, 7.0 mm x 75 mm	5/box
214116	Clear Cannula Threaded, 7.0 mm x 75 mm	5/box
214118	Clear Cannula Threaded, 8.5 mm x 55 mm	5/box
214120	Clear Cannula Threaded, 8.5 mm x 75 mm	5/box
214122	Clear Cannula Threaded, 8.5 mm x 90 mm	5/box

The IDEAL™ Suture Management Family

CHIA PERCPASSER

214101	CHIA PERCPASSER Suture Passer	5/box
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IDEAL Suture Grasper

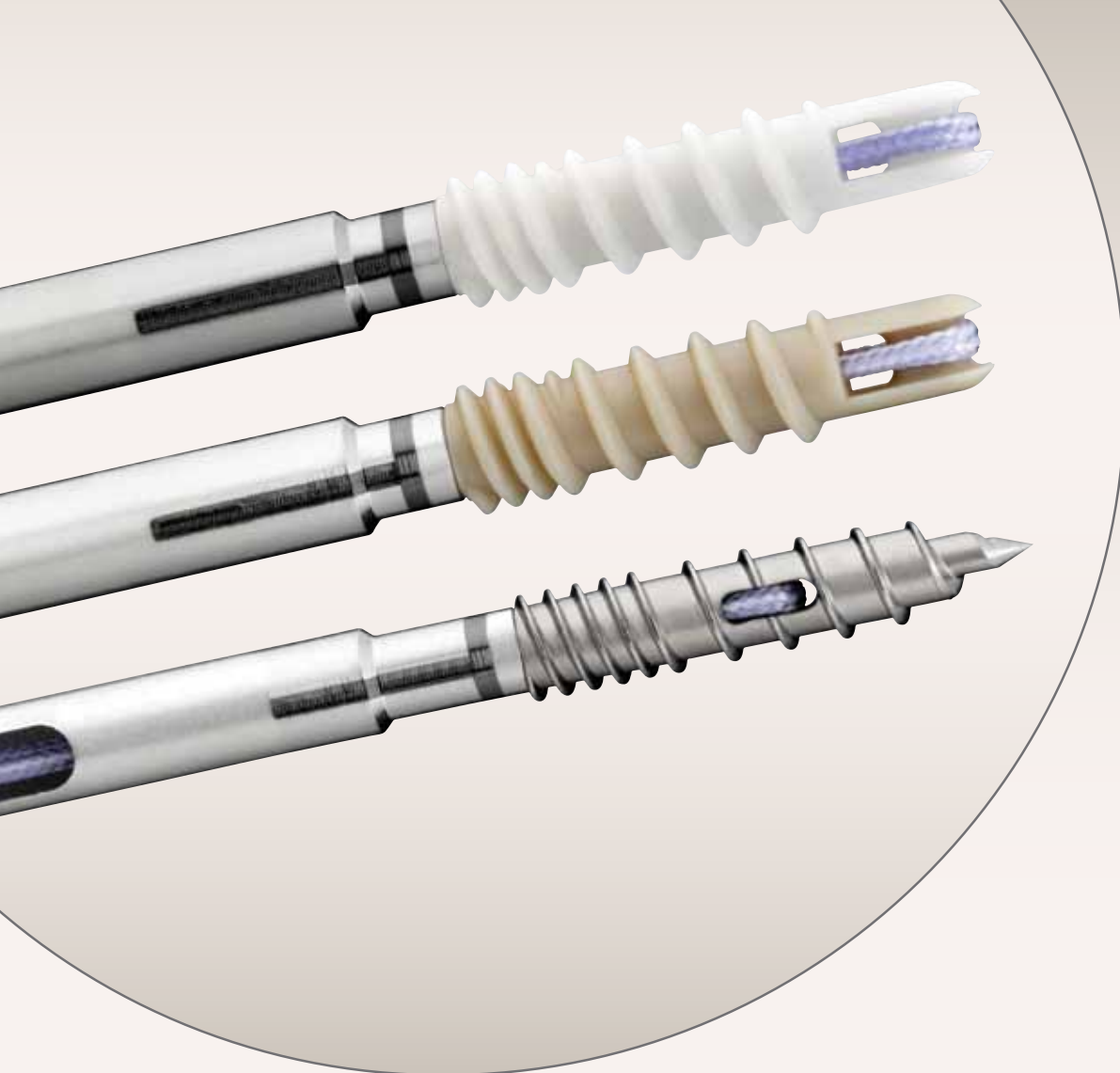
251720	IDEAL Suture Grasper, 15°	1/box
251721	IDEAL Suture Grasper, 30°	1/box
251722	IDEAL Suture Grasper, 45°	1/box
251723	IDEAL Suture Grasper, 60°	1/box



IDEAL Suture Shuttle with CHIA™

251001	IDEAL Suture Shuttle, 25° Left	1/box
251002	IDEAL Suture Shuttle, 25° Right	1/box
251003	IDEAL Suture Shuttle, 45° Left	1/box
251004	IDEAL Suture Shuttle, 45° Right	1/box
251005	IDEAL Suture Shuttle, 90° Up	1/box
251006	IDEAL Suture Shuttle, Straight Hook	1/box
251007	IDEAL Suture Shuttle, Straight Crescent	1/box





For more information, contact your DePuy Mitek sales representative,
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