Next Generation in
Knee Ligament Reconstruction and Repair Technology

- ACL Reconstruction
- PCL Reconstruction
- Collateral Ligament Repair
- Osteochondral Repair
- Meniscal Repair
- Opening Wedge Osteotomy

Arthrex®
For over 25 years, Arthrex has maintained its dedication to one simple goal: responding to the needs of the orthopaedic surgeon by helping make technically demanding surgical procedures simpler, safer and reproducible.

As a private corporation, Arthrex has an unparalleled commitment to the orthopaedic surgeon and the patients they treat. Our pride in the medical significance of our contribution is the essence of our unique, uncompromising commitment to product quality, surgical skills education and competent, personal service unmatched in our industry.

Our accumulated experience and constant innovation in knee reconstruction is redefined with the release of updated Next Generation in Knee Ligament Reconstruction and Repair Technology products.

Arthrex acknowledges and appreciates the feedback and cooperation from surgeons worldwide in the developmental evolution of this new comprehensive approach in the treatment of knee injuries.

Sincerely,

Reinhold Schmieding
President & Founder
Arthrex Inc.
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ACL CRUCIATE TOOLBOX™ INSTRUMENTATION SET

The ACL Cruciate ToolBox is the most comprehensive system the experienced surgeon needs for ACL reconstruction. It is the only guide system that references anatomical constants in the knee for reproducible tunnel placement. The proprietary PCL Oriented Placement (POO) Marking Hooks, in conjunction with the Adapteur Drill Guide C-Ring, reference 7 mm anterior to the leading edge of the PCL for consistent, reproducible ACL tibial tunnel placement.

The femoral 7 mm offset guide references the over-the-top position for accurate femoral tunnel placement with a 1-2 mm backwall. Other accessories such as dilators and Headed Reamers in .5 mm increments ease each step for accurate tunnel preparation. Easy-to-use graft harvesting guides provide perfect trapezoidal-shaped BTB plugs with predrilled holes.

ACL Cruciate Reconstruction ToolBox Set (AR-1900S) includes:

- Hook Probe, 3.4 mm Tip w/ 5 mm Markings: AR-10010
- Cannulated Drills, 8, 9, 10 and 11 mm: AR-1208L, AR-1209L, AR-1214L and AR-1217L
- Semitendinosus Stripper, 5 mm: AR-1278
- Cannulated Screwdriver for Bio-Interference Screw: AR-1386
- Adapteur Drill Guide C-Ring: AR-1875
- Graduated Guide Pin Sleeve for 2.4 mm Pins: AR-1876
- Target POP Marking Hook, left: AR-1866
- Target POP Marking Hook, right: AR-1867
- Pin Simulator Tibial Marking Hook, 60°: AR-1876GP-60
- Parallel Guide Sleeve, 2.4 mm Pins: AR-1245L
- Tunnel/Notchplasty Rasp: AR-1282
- Cannulated Headed Reamers, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5 and 11 mm: AR-1407-AR-1411
- Jacob's Chuck Handle: AR-1415
- Quick Connect T-Handle: AR-1416T
- Graft Harvesting Retractor: AR-1420
- Transtibial Femoral ACL Drill Guide, 7 mm: AR-1801
- Reusable Obturator for Tibial Tunnel Cannula: AR-1807
- Graft Harvesting Cutting Guides, 8.5 mm: AR-1809
- Graft Harvesting Cutting Guides, 9.5 mm: AR-1810
- Graft Harvesting Cutting Guides, 10.5 mm: AR-1811
- Notchplasty & Graft Harvesting Osteotome, 5 mm: AR-1830
- Tunnel Notcher: AR-1844
- Tunnel Dilator, 7 mm: AR-1854-07.0
- Tunnel Dilator, 7.5 mm: AR-1854-07.5
- Tunnel Dilator, 8 mm: AR-1854-08.0
- Tunnel Dilator, 8.5 mm: AR-1854-08.5
- Tunnel Dilator, 9 mm: AR-1854-09.0
- Tunnel Dilator, 9.5 mm: AR-1854-09.5
- Tunnel Dilator, 10 mm: AR-1854-10.0
- Tunnel Dilator, 10.5 mm: AR-1854-10.5
- Tunnel Dilator, 11 mm: AR-1854-11.0
- Graft Sizing Block: AR-1886
- Torque Measurement Device: AR-1990
- Easy-In: AR-1993
- Easy-Out: AR-1994
- Cannulated Bio-Interference Screwdriver Shaft: AR-1997
- Cannulated Screwdriver Shaft for Delta Bio-Interference Screw: AR-1997D
- Cannulated Screwdriver Shaft, 3.5 mm Hex: AR-1998
- Ratcheting Screwdriver Handle: AR-1999
- Parallel Graft Knife Handle: AR-2285H
- Chuck Key: AR-8241
- ACL Cruciate ToolBox Instrumentation Case: AR-1900C

Transtibial ACL Disposables Kit with Hall Style Saw Blade, qty. 5: AR-1897S
Transtibial ACL Disposables Kit without Saw Blade, qty. 5: AR-1898S
TRANSTIBIAL ACL RECONSTRUCTION

TRANSTIBIAL ACL RECONSTRUCTION SET

The Transtibial ACL Reconstruction System is the only true guide system that references anatomical constants in the knee for reproducible tunnel placement. The proprietary PCL Oriented Placement (POP) marking hooks, in conjunction with the Adapteur Drill Guide C-Ring, reference 7 mm anterior of the leading edge of the PCL for consistent, reproducible ACL tibial tunnel placement. The femoral 7 mm offset guide references the over-the-top position for accurate femoral tunnel placement with a 1-2 mm backwall. Easy to use Graft Harvesting Guides provide perfect trapezoidal shaped BTB bone plugs with predrilled suture holes.

Other procedure-specific accessories ease every step of the procedure for consistent, reproducible results. Optional Coring Reamers facilitate grafting of the patellar defect after harvesting. The ACL Disposables Kits provide a complete, convenient set of pins and disposables needed for each case. Only interference screws are required to complete the system for the procedure.

The autoclavable case with custom tray organizes and protects the complete system with plenty of space in the silicone mat base for additional instrumentation. Secure locking mechanism allows for the protection of the content and the protection of the sterility of the same.

Transtibial ACL Reconstruction Set (AR-1817AS) includes:

- Cannulated Drill, 8 mm AR-1208L
- Cannulated Drill, 9 mm AR-1209L
- Cannulated Drill, 10 mm AR-1214L
- Adapteur Drill Guide C-Ring AR-1875
- Graduated Guide Pin Sleeve for 2.4 mm Pins AR-1876
- Target POP Marking Hooks, left AR-1866
- Target POP Marking Hooks, right AR-1867
- Pin Simulator Tibial Marking Hook, 60 AR-1878GP-60
- Parallel Guide Sleeve, 2.4 mm Pins AR-1245L
- Tunnel/Notchplasty Rasp AR-1282
- Cannulated Headed Reamers, 8 mm AR-1408
- Cannulated Headed Reamers, 9 mm AR-1409
- Cannulated Headed Reamers, 10 mm AR-1410
- Jacob’s Chuck Handle AR-1415
- Graft Harvesting Retractor AR-1420
- Transtibial Femoral ACL Drill Guide, 7 mm AR-1801
- Graft Harvesting Cutting Guides, 8.5 mm AR-1809
- Graft Harvesting Cutting Guides, 9.5 mm AR-1810
- Graft Harvesting Cutting Guides, 10.5 mm AR-1811
- Reusable Obturator for Tibial Tunnel Cannula AR-1807
- Tunnel Notcher AR-1844
- PinLock II Cannulated Screwdriver, 3.5 mm hex AR-1896
- Grooved Sizing Block AR-1889
- Transtibial ACL Reconstruction Case AR-1817AC

Transtibial ACL Disposables Kit with Hall Style Saw Blade, qty. 5 AR-1897S
Transtibial ACL Disposables Kit without Saw Blade, qty. 5 AR-1898S
**PARALLEL GRAFT KNIFE**

The Parallel Graft Knife is designed for harvesting the patellar or quadriceps tendon for use during ACL/PCL reconstruction. The parallel blades create a precise cut in a single pass. The reusable handle provides a convenient cost-effective alternative to disposable devices. Special single use blade packaging allows easy, safe blade attachment and removal.

- Parallel Graft Knife Handle: AR-2285H
- Parallel Graft Knife Blades, 8 mm: AR-2285-08
- Parallel Graft Knife Blades, 9 mm: AR-2285-09
- Parallel Graft Knife Blades, 10 mm: AR-2285-10
- Parallel Graft Knife Blades, 11 mm: AR-2285-11

**GRAFT HARVESTING CUTTING GUIDES & SAW BLADES**

Used to harvest an ideal trapezoidal-shaped bone plug with predrilled suture holes from both the patella and the tibia, the cutting guides provide consistent, reproducible results during tendon harvest. Arthrex saw blades have the ideal width and tooth configuration for BTB graft harvesting. A mechanical depth stop provides a secure 7 mm depth control when used in conjunction with the Graft Harvesting Cutting Guide. Laser etched graduations of 6 & 7 mm provide visual depth control during free hand saw harvesting.

- Graft Harvesting Cutting Guide, 8.5 mm width: AR-1809
- Graft Harvesting Cutting Guide, 9.5 mm width: AR-1810
- Graft Harvesting Cutting Guide, 10.5 mm width: AR-1811
- Graft Harvesting Kit w/Hall Style Sagittal Saw Blade and 2 ea. threaded fixation pins, short & long: AR-1821S
- Saw Blade, Hall Style: AR-1821
  (3M, Dyonics, Stryker style blades also available)

**GRAFT HARVESTING OSTEOTOME**

The 8 mm wide, offset osteotome is ideal for final harvesting of the patellar and tibial bone block from an inferior approach under the tendon after cortical bone resection.

- Notchplasty and Graft Harvesting Osteotome, 8 mm: AR-1830L

**ACL GRAFT SHAPER**

The ACL Graft Shaper is a unique bone “press” which shapes and compresses cancellous bone to accommodate a precise graft-fit into predrilled tibial and femoral tunnels during ACL/PCL reconstruction. The smooth, semi-circular jaws compress the bone corners and edges which inhibit smooth graft passing. An adjustable spacer in the handle provides controlled size compression of bone plugs to 8, 9, 10 or 11 mm diameters. Side holes provide accurate placement of holes for graft passing sutures with a 2 mm diameter drill.

- ACL Graft Shaper: AR-1234
SOFT TISSUE GRAFT HARVESTING

HAMSTRING TENDON STRIPPERS
The 5 mm and 7 mm diameter hamstring tendon strippers provide maximum tendon length with less soft tissue trauma through a small incision just medial to the tibial tubercle.

Millimeter calibrations on the shaft allow graft length determination during harvesting.

The spiral end of the “Pigtail” facilitates capture of distally attached tendons for proximal subcutaneous stripping of hamstring grafts.

Semitendinosus Stripper, 5 mm diameter AR-1278
Semitendinosus Stripper, 7 mm diameter (a) AR-1278L
Pigtail Hamstring Tendon Stripper, open end, 5 mm diameter (b) AR-1278P

GRAFT HARVESTING RETRACTORS
The Graft Harvesting Retractor provides excellent exposure of the anterior aspect of the patella through a minimal incision of less than 6 cm when harvesting the central third of the patellar tendon. The forked end of the retractor is hooked over the superior pole of the patella and levered to securely retract the surrounding skin and subcutaneous tissue.

The Graft Harvesting Retractor can also be used for retraction of skin and soft tissue when drilling the tibial tunnel or harvesting hamstring tendons.

Graft Harvesting Retractor AR-1420

BONE GRAFT HARVESTING

CENTERING CYLINDERS
Centering Cylinders provide a simple alternative to collared pins in conjunction with Coring Reamers to harvest a round bone graft when creating the tibial tunnel during ACL reconstruction, without removing the tibial guide pin.

After tibial guide pin placement, the appropriate size centering cylinder is inserted over the guide pin to center the Coring Reamer during insertion.

To extract the core from the reamer, the Graft Extractor’s threaded tip is inserted through the lumen of the core and the threads engaged into the centering cylinder. A small slap hammer removes the bone core with the centering cylinder from the Coring Reamer.

Also available in a double-long length for increased accuracy.

Centering Cylinder for 7 mm Coring Reamer (a) AR-1220CC
Centering Cylinder for 8 mm Coring Reamer AR-1222CC
Centering Cylinder for 9 mm Coring Reamer AR-1223CC
Centering Cylinder for 10 mm Coring Reamer (a) AR-1224CC
Centering Cylinder for 11 mm Coring Reamer AR-1226CC
Centering Cylinder for 12 mm Coring Reamer AR-1227CC
Centering Cylinder for 13 mm Coring Reamer (a) AR-1229CC
Centering Cylinder for 14 mm Coring Reamer AR-1231CC
Centering Cylinder for 7 mm Coring Reamer (double-long) (b) AR-1220CCL
Centering Cylinder for 8 mm Coring Reamer (double-long) AR-1222CCL
Centering Cylinder for 9 mm Coring Reamer (double-long) AR-1223CCL
Centering Cylinder for 10 mm Coring Reamer (double-long) AR-1224CCL
Graft Extractor for Coring Reamer AR-1232
**GRAFT PREP, SIZING & PRETENSIONING**

**GRAFT PREP STATION SYSTEM**

The Graft Prep Station offers the maximum flexibility in graft preparation. By choosing from a selection of interchangeable posts, the surgeon can prepare and pretension soft tissue or bone tendon grafts for ACL and PCL reconstruction.

The Tensioning Device detaches from the workstation and is passed to the surgeon, with the graft, to facilitate simple, quantifiable graft tensioning during tibial fixation (h).

The Graft Sizing Block allows accurate sizing of the graft, while it is still positioned on the workstation.

The 3" long Graft Preparation Nitinol Suturing Needles (j) facilitate easier, safer suture passing and graft preparation.

Graft Prep Station, Basic Set (AR-2950S) includes:

- Graft Prep Station Base (a)  AR-2950
- Graft Workstation Posts for Patellar Tendon (b)  AR-1959
- Graft Workstation Adjustable Post (c)  AR-1953
- Graft Workstation Stationary Posts (d)  AR-1951
- Graft Sizing Block (e)  AR-1886
- Graft Prep Station Instrumentation Case  AR-2950C

Graft Prep Station, Master Set (AR-2950MS), in addition to the above, includes:

- Soft Tissue Clamps, adjustable (f)  AR-1967A
- Soft Tissue Clamps, fixed (g)  AR-1967F
- Tensioning Device (h)  AR-4002
- Tensioning Device Post (i)  AR-4003A

Accessories:

- Cutting Board Replacement  AR-2950B
- Hex Key, #8 Hex Head Screw  AR-2950B-1
- Graft Preparation Nitinol Suturing Needle, qty. 10 (j)  AR-1291-3
- #2 FiberLoop w/Straight Needle  AR-7234

**TIBIAL TUNNEL GRAFT HARVESTING**

The Coring Reamer System is designed to harvest a cylinder of cancellous bone while simultaneously creating the tibial tunnel. The harvested core can then be used to fill the patellar tendon harvest site or to fill tunnels during ACL/PCL revision procedures.

The distal tunnel should be drilled up to a depth of 10 mm with a Cannulated Drill that is 1 mm larger in diameter than the selected Coring Reamer, prior to collared pin insertion. The pin positioner facilitates simplified collared pin exchange. The Coring Reamer is then drilled over the collared pin for directional control and subsequent bone core removal.

The Coring Reamer is also available in 13 and 14 mm diameters for “retightening” of an intact ACL graft which is executed by cutting around the tibial insertion of the graft. The tibial bone core is pulled distally and secured with an interference screw.

Coring Reamer & Collared Pin Sets, 7 - 14 mm  AR-1220S, 1222S, 1223S, 1224S, 1226S, 1227S, 1229S and 1231S

Collared Pin Positioners, 8 mm - 11 mm (inset)  AR-1868 to AR-1871
FIBERWIRE® and TIGERWIRE® SUTURE

FiberWire suture is a new generation of polyester suture with an ultra-high molecular weight polyethylene core. FiberWire has greater strength than similar sized polyester suture with superior feel, smooth tying characteristics and lower knot profile. FiberWire is the ideal suture for most orthopaedic soft tissue repairs, virtually eliminating suture breakage during knot tying.

#2 TigerWire, a white suture with black spiral markings, was created specifically for arthroscopic surgeons that require superior suture visibility, easier arthroscopic orientation and motion determination. Cyclic loading of #2 FiberWire resulted in 1,000,000 cycles without failure compared to 160,000 cycles of standard #2 polyester to failure. All FiberWire and TigerWire are sterile and single use.

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<td>AR-7200</td>
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<tr>
<td>#2 FiberWire, 38 inches (blue) w/Reverse Cutting Needle, 36.6 mm 1/2 circle</td>
<td>AR-7202</td>
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<tr>
<td>#2 FiberWire, 38 inches (blue) w/two Tapered Needles, 26.5 mm 1/2 circle</td>
<td>AR-7205</td>
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<td>#2 FiberWire, 38 inches (1 blue, 1 white/black) w/Tapered Needle, 26.5 mm 1/2 circle</td>
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<td>#2 FiberWire, 38 inches (blue)</td>
<td>AR-7233</td>
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<td>#5 FiberWire, 38 inches (blue)</td>
<td>AR-7210</td>
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<td>#5 FiberWire, 38 inches w/Conventional Cutting Needle, 48 mm 1/2 circle</td>
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<td>2-0 FiberWire, 18” (blue) w/Tapered Needle, 26.5 mm 1/2 circle</td>
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<td>2-0 FiberWire, 18 inches (blue) w/Tapered Needle, 17.9 mm 3/8 circle</td>
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<td>2-0 FiberWire, 38 inches (blue)</td>
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<td>2-0 FiberWire Meniscus Repair Needles</td>
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<td>3-0 FiberWire, 18 inches (blue) w/Tapered Needle, 15 mm 3/8 circle</td>
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<td>3-0 FiberWire, 18 inches (blue) w/RC Needle, 16.3 mm 3/8 circle</td>
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<td>4-0 FiberWire, 18 inches (blue) w/RC Needle, 11.9 mm 3/8 circle</td>
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<td>4-0 FiberWire, 13” (white) w/Tapered Needle, 12.7 mm 1/2 circle</td>
<td>AR-7248</td>
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<td>0 FiberWire, 38 inches (blue) w/Tapered Needle, 22.2 mm 1/2 circle</td>
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<td>0 FiberWire, 38 inches (blue) w/Diamond Point Needle, 22.2 mm 1/2 circle</td>
<td>AR-7251</td>
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<td>#2 FiberWire Fast Pack w/Quick Release Needles</td>
<td>AR-7231</td>
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<td>#2 FiberWire, 38 inches, 2 strands (1 blue, 1 white/black)</td>
<td>AR-7201</td>
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<tr>
<td>#2 TigerWire, 38 inches (white/black), (a)</td>
<td>AR-7203</td>
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<tr>
<td>#2 TigerWire, 38 inches (white/black) w/two Tapered Needles, 26.5 mm 1/2 circle</td>
<td>AR-7205T</td>
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FIBERSTICK™ and TIGERSTICK®

FiberStick, available in #2 or 2-0 sizes, is FiberWire with a stiffened 12 inch end. Used in conjunction with small diameter cannulated suture passing instruments, it makes suture passing easy. By allowing simple push-through passing of FiberWire suture, it alleviates the need for a monofilament suture or wire suture shuttle. FiberSticks are sterile and come packaged with the stiff end in a plastic tube.

TigerStick is a white #2 FiberStick with black stripes and a stiffened 12 inch end. It is especially useful when motion determination and alternating colored sutures are required in the arthroscopic environment.

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<tr>
<td>#2 FiberStick, #2 FiberWire, 50 inches (blue) one end stiffened, 12 inches (b)</td>
<td>AR-7209</td>
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</tr>
<tr>
<td>#2 TigerStick, #2 TigerWire, 50 inches (white/black) one end stiffened, 12 inches</td>
<td>AR-7209T</td>
<td></td>
</tr>
<tr>
<td>2-0 FiberStick, 2-0 FiberWire, 50 inches (blue) one end stiffened, 12 inches</td>
<td>AR-7222</td>
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#2 FIBERLOOP® and TIGERLOOP™

The #2 FiberLoop is a continuous loop of #2 FiberWire on a thin, straight Nitinol needle. The straight needle is easy to handle and moves freely on the suture to recenter itself after passing through tissue and facilitating even tension. Graft preparation using the Arthrex SpeedWhip™ technique drastically reduces time spent preparing the graft, uniformly compresses the graft, improves strength and allows for last minute adjustments in graft length.

#2 FiberLoop w/Straight Needle (inset) AR7234
#2 TigerLoop w/Straight Needle, w/TigerWire AR7234T

4-0 and 2-0 FIBERLOOP

FiberLoop is a suture option for multi-strand tendon repairs. These small diameter looped FiberWire products allow for strong multi-strand flexor and extensor tendon repairs while reducing tendon damage from multiple needle passes. FiberLoop is available with multiple needle options to prevent cutting suture while stitching.

4-0 FiberLoop, 6” (white) w/Tapered Needle, 12.7 mm 1/2 circle AR7249-12
4-0 FiberLoop, 10” (white) w/Tapered Needle, 12.7 mm 1/2 circle AR7249-20
4 FiberLoop, 4-0 FiberWire, 12 inches (blue) w/Tapered Needle, 17.9 mm 3/8 circle AR7229-12
4 FiberLoop, 4-0 FiberWire, 20 inches (blue) w/Tapered Needle, 17.9 mm 3/8 circle AR7229-20
2-0 FiberLoop, 60 inches (blue) w/Diamond Point Needle, 48 mm 1/2 circle AR7232-01
2-0 FiberLoop, 48 inches (blue) w/Diamond Point Needle, 26.2 mm 3/8 circle AR7232-02
2-0 FiberLoop, 30 inches (blue) w/Diamond Point Straight Needle, 64.8 mm AR7232-03
0 FiberLoop w/Straight Needle, 13” (blue), 76 mm needle w/7 mm loop AR7253

FIBERTAPE®

FiberTape is an ultra-high strength 2 mm width tape using the long chain polyethylene structure of the FiberWire suture. The broad footprint of the FiberTape is appropriate for repairs in degenerative cuff tissue where tissue pull-through may be a concern.

FiberTape, 2 mm, 38 inches (blue) each end tapered to #2 FiberWire, 8 inches (total length 54 inches) AR7237

FIBERSNARE®

FiberSnare with closed loop provides an easy one step approach to creating a FiberWire loop on the tip of the Bio-Tenodesis Driver. Instead of using a nitinol wire, insert the stiff non-looped end retrograde through the tip of the Bio-Tenodesis Driver. The FiberSnare can also be used as a suture shuttle for passage of traction sutures through bone tunnels.

#2 FiberSnare, #2 FiberWire, 26 inches, one strand (green) stiffened w/closed loop, 12 inches AR7209SN
ADAPTEUR™ DRILL GUIDE SYSTEM

The Adapteur Drill Guide System serves as the gold standard for creating anatomically based tibial tunnels for ACL or PCL reconstruction. The various marking hook designs are easily interchangeable with the quick release locking mechanism, yet provide unparalleled drilling accuracy comparable to a fixed angle guide.

PCL Oriented Placement (POP) Marking Hooks reference 7 mm anterior to the base of the PCL for reproducible ACL tibial tunnel placement.

Pin Simulator Tibial Marking Hooks simulate guide pin positioning and angle in the joint prior to pin entry.

The 50˚ beveled Guide Pin Sleeve lies flush to cortical bone to inhibit guide pin deviation during entry.

Additional marking hooks for ACL/PCL reconstruction and retrograde osteochondral drilling are available.

Adapteur Drill Guide C-Ring (a) AR-1875
Calibrated Guide Pin Sleeve, 50˚ angle AR-1876G
Target POP Marking Hook, left & right (b) AR-1866 & AR-1867
Pin Simulator Tibial Marking Hook, 50˚, 60˚ and 70˚ (c) AR-1878GP-50, 60 and 70

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)

CONSTANT ACL TIBIAL DRILL GUIDE

The Constant Tibial Guide incorporates the Arthrex proprietary method of referencing the PCL for reproducible tibial tunnel placement in arthroscopic ACL reconstruction.

The Y-shaped marking hook facilitates referencing 7 mm from the PCL in both left and right knees. The 52.5˚ drilling angle is ideal for soft tissue ACL reconstruction. The lightweight, yet stable frame provides easy, one hand usage and provides unprecedented drilling accuracy.

The simple, easy to use Guide Pin Sleeve disengages with a simple 20˚ rotation. The anatomically angled sleeve lies flush to cortical bone to inhibit guide pin deviation during entry.

Constant Tibial Guide, 52.5˚ AR-1775
Calibrated Guide Pin Sleeve for 2.4 mm Pins AR-1776

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)

CONSTANT ACL FEMORAL DRILL GUIDE

The Constant Femoral Guide is set at 120˚ to facilitate anatomical femoral socket placement with outside/in drilled 2.4 mm guide pins or RetroDrill Guide Pins. Marking hooks provide adjustment to create a femoral socket 4, 5 or 6 mm anterior to the over-the-top position.

Constant Femoral Guide for RetroDrill AR-1777R
Drill Sleeve for Constant Femoral Guide for RetroDrill, 3 mm AR-1778R-30

CONSTANT TIBIAL GUIDE for RETRODRILL

The Constant Tibial Guide for “retrodrilling” is set at an ideal 52.5˚ drilling angle. The racheting RetroDrill Guide Pin Sleeve affords stable and secure guide placement.

Constant Tibial Guide for RetroDrill, 52.5˚ AR-1775R
Drill Sleeve for Constant Tibial Guide for RetroDrill AR-1776R

8
TRANSFIX® II FEMORAL DRILL GUIDE

The TransFix cross pin fixation provides some of the strongest femoral fixation of any metal implant for soft tissue or bone-tendon grafts available. With soft tissue, single cross pin fixation equalizes the length and load to all four graft strands independent of tibial fixation, maximizing graft stiffness. For bone-tendon grafts, single cross pin fixation uses a single graft drill hole for both graft passing and implant insertion, significantly reducing the possibility of graft fracture. It also enables the implant to be consistently centered in the graft and femoral socket.

TransFix II ACL Reconstruction System (AR-1817TS) includes:
- Semitendinosus Stripper, 5 mm AR-1278
- TransFix Screw Driver AR-1364
- Bio-TransFix Driver AR-1373
- TransFix II Implant Impactor on Handle AR-1973D
- Bio-TransFix Driver AR-1973E
- Drill for TransFix Implant, 5 mm, for 3 mm Drill Pin AR-1974
- Drill Guide Assembly for TransFix II AR-1975
- TransFix II Guide Pin Sleeve, 3 mm AR-1976
- TransFix II Tunnel Hook, 7 mm AR-1977-07P
- TransFix II Tunnel Hook, 8 mm AR-1977-08P
- TransFix II Tunnel Hook, 9 mm AR-1977-09P
- TransFix II Tunnel Hook, 10 mm AR-1977-10P
- TransFix II Tunnel Hook, 11 mm AR-1977-11P
- TransFix II Tunnel Hook, 12 mm AR-1977-12P
- TransFix II Instrumentation Case AR-1817TC

Accessories:
- Drill for TransFix Implant, 5 mm, for 3 mm Drill Pin, long AR-1974L
- BTB TransFix II Pin/Graft Passing Wire Set AR-1971S
- TransFix II Drill Set AR-1978S

TRANSFIX for MEDIAL PORTAL

Medial Portal TransFix Hooks facilitate insertion into femoral sockets that are not collinear with the tibial tunnel. These hooks are useful when femoral preparation has taken place with the RetroDrill or with cannulated reamers through the medial portal. Hooks are compatible with the Long Adapteur Drill Guide C-Ring for increased flexibility in pin placement and have a low profile head for eased insertion into the joint and for compatibility with shorter femoral sockets.

Medial Portal TransFix Hook, 7 mm AR-1977-07MP
Medial Portal TransFix Hook, 8 mm AR-1977-08MP
Medial Portal TransFix Hook, 9 mm AR-1977-09MP
Medial Portal TransFix Hook, 10 mm AR-1977-10MP
Long Adapteur Drill Guide C-Ring AR-1875L

Designed to be used in conjunction with the Arthrex TransFix II Reconstruction System (AR-1817TS)
ADAPTEUR™ RETRODRILL® SYSTEM

The RetroDrill System facilitates maximum flexibility in retrograde socket or tunnel placement. The set includes eight marking hook guides for ACL and PCL reconstruction with threaded posts to securely engage the RetroCutter during threaded guide pin hand off. The adjustable Adapteur C-Ring and 3 mm I.D. guide sleeve provides intraoperative interchangeability of marking hooks without loss of drilling accuracy.

The gold handled chuck provides a secondary RetroCutter attachment option to the guide pin after guide pin drilling and may be a preferred method compared to direct engagement of the RetroDrill to the RetroCutter.

RetroDrill Guide Set (AR-1866RS):
- Tibial ACL Guide for RetroConstruction, 45˚ AR-1866R-45
- Tibial ACL Guide for RetroConstruction, 50˚ AR-1866R-50
- Tibial ACL Guide for RetroConstruction, 55˚ AR-1866R-55
- Tibial PCL Guide Marking Hook for RetroConstruction, 60˚ AR-1888R
- Femoral ACL Guide for RetroConstruction, 120˚ AR-1888R
- Femoral ACL Guide for RetroConstruction, 120˚, 6 mm offset tip AR-1888RH
- Femoral ACL Guide for RetroConstruction, 90˚ AR-1888RP
- Femoral PCL Guide for RetroConstruction, 80˚ AR-1849R
- RetroDrill Guide Sleeve AR-1876R
- Long Adapteur Drill Guide C-Ring AR-1875L
- Jacob’s Chuck Handle AR-1415
- Chuck Key AR-8241
- RetroDrill Guide Set Instrument Case, autoclavable AR-1866RC

Optional Instrumentation:
- Graft Prep Station, Basic Set AR-2950S
- Graft Sizing Block AR-1886
- Constant Tibial Guide for RetroDrill, 52.5˚ AR-1775R
- Drill Sleeve for Constant Tibial Guide for RetroDrill AR-1776R
- Constant Femoral Guide for RetroDrill AR-1777R
- Femoral Retrograde Marking Hook, 3 mm AR-1888M-3
- Femoral Retrograde Marking Hook, 4 mm AR-1888M-4
- Femoral Retrograde Marking Hook, 5 mm AR-1888M-5
- Femoral ACL Guide for RetroConstruction, 120˚, 4 mm offset tip AR-1888RH04
- Femoral ACL Guide for RetroConstruction, 120˚, 5 mm offset tip AR-1888RH05
- Femoral ACL Guide for RetroConstruction, 120˚, 6 mm offset tip, 120˚ AR-1888RH
- Femoral ACL Guide for RetroConstruction, 120˚, 7 mm offset tip AR-1888RH07
- Target POP Marking Hook, left AR-1866
- Target POP Marking Hook, right AR-1867
- KingFisher Suture Retriever/Tissue Grasper w/WishBone Handle AR-13970W
- RetroPasser AR-1259

ADAPTEUR™ OUTSIDE/IN FEMORAL DRILL GUIDES

For outside/in and revision procedures, the Retrograde Marking Hook is inserted through a standard anteromedial portal and hooked securely into the over-the-top position as an anatomical reference. The long Adapteur Drill Guide C-Ring can be adjusted to any drilling angle. A guide pin is drilled from a lateral approach and exits at the laser mark 5 mm anterior of the retrograde hook tip. The femoral tunnel is subsequently created with a cannulated drill from outside-in or by attaching a RetroDrill (see page 11) to its threaded guide pin arthroscopically and utilizing the drill pin to create a retrograde femoral socket without a lateral thigh incision.

Long Adapteur Drill Guide C-Ring AR-1875L
- Calibrated Guide Pin Sleeve for 2.4 mm Pins AR-1876
- Femoral Retrograde Marking Hook, 3 mm AR-1888M-3
- Femoral Retrograde Marking Hook, 4 mm AR-1888M-4
- Femoral Retrograde Marking Hook, 5 mm AR-1888M-5
RETRODRILL®

The RetroDrill is a new option for those surgeons wishing to place femoral sockets more posterolateral with an outside/in guide pin placement or to create minimally invasive tibial tunnel sockets. The reverse cutting flutes of the RetroDrill allow retrograde socket creation with the guide pin. The graduated pin quantifies tunnel depth. The cannulation in the RetroDrill may be used to pass a FiberStick suture for graft or screw transport.

This gives the surgeon all the technical benefits of a two-incision ACL reconstruction without the large lateral knee incision. The RetroDrill may also be used for preparing a recipient socket for Retrograde OATS of the patella.

RetroDrill Guide Pin, 3 mm, cannulated AR-1250RP
RetroDrill Guide Pin, 3 mm, noncannulated AR-1250RS
RetroCutter, 6 mm AR-1204R06S
RetroCutter, 6.5 mm AR-1204R065S
RetroCutter, 7 mm AR-1204R07S
RetroCutter, 7.5 mm AR-1204R075S
RetroCutter, 8 mm AR-1204R08S
RetroCutter, 8.5 mm AR-1204R085S
RetroCutter, 9 mm AR-1204R09S
RetroCutter, 9.5 mm AR-1204R095S
RetroCutter, 10 mm AR-1204R10S
RetroCutter, 10.5 mm AR-1204R105S
RetroCutter, 11 mm AR-1204R11S
RetroCutter, 12 mm AR-1204R12S

Accessories:
Target POP Marking Hook, Left AR-1866
Target POP Marking Hook, Right AR-1867
Adapteur Drill Guide C-Ring AR-1875
Drill Guide Sleeve AR-1876R
Femoral Retrograde Marking Hook, fixed AR-1888M
Long Adapteur Drill Guide C-Ring AR-1875L
Graxsport, Alligator Hook Tip, 4.2 mm, Straight Shaft AR-13600SR
FiberStick, #2 FiberWire, 50 inches, blue, one end stiffened, 12 inches AR-7209
RetroPasser (a) AR-1259

TRANSTIBIAL RETROCONSTRUCTION™

Replicating traditional transtibial ACL reconstruction techniques, the RetroConstruction System eliminates tibial tunnels by creating "retrodrilled" sockets. This all-inside technique reduces incisions and violation of distal cortices which can reduce patient morbidity and improve rehabilitation. The RetroDrill Guide Pin and Dual RetroCutter facilitate fast tibial and femoral socket creation from within the joint, without the use of cannulated reamers.

Transitional RetroDrill Pin, 3 mm w/suture eye AR-1250RT
Dual RetroCutter, 6 mm AR-1204RD06S
Dual RetroCutter, 7 mm AR-1204RD07S
Dual RetroCutter, 8 mm AR-1204RD08S
Dual RetroCutter, 8.5 mm AR-1204RD085S
Dual RetroCutter, 9 mm AR-1204RD09S
Dual RetroCutter, 9.5 mm AR-1204RD095S
Dual RetroCutter, 10 mm AR-1204RD10S
Dual RetroCutter, 10.5 mm AR-1204RD105S
Dual RetroCutter, 11 mm AR-1204RD11S
Dual RetroCutter, 12 mm AR-1204RD12S

Accessories:
RetroScrew Driver, thin AR-1356R
Suture Passing Wire AR-1255-1B
#2 FiberWire, 38 inches, 2 strands (1 blue, 1 white/black), qty. 12 AR-7201
Constant Tibial Guide for RetroDrill, 52.5° AR-1775R
Drill Sleeve for Constant Tibial Guide for RetroDrill AR-1776R
Adapteur Drill Guide C-Ring, Long AR-1875L
Adapteur Drill Guide C-Ring AR-1875
TIBIAL TUNNEL PREPARATION

CANNULATED DRILLS

Full thickness cannulated drills, with calibrated depth marks, are designed specially for ACL tibial tunnels, PCL tibial and femoral tunnels and standard two-incision ACL reconstruction procedures. The optional drill sleeves protect soft tissue during drilling.

Cannulated Drill, 7 mm  AR-1207L
Cannulated Drill Sleeve, 7 mm  AR-1207S
Cannulated Drill, 8 mm  AR-1208L
Cannulated Drill Sleeve, 8 mm  AR-1208S
Cannulated Drill, 9 mm  AR-1209L
Cannulated Drill Sleeve, 9 mm  AR-1209S
Cannulated Drill, 10 mm  AR-1214L
Cannulated Drill Sleeve, 10 mm  AR-1214S
Cannulated Drill, 11 mm  AR-1217L
Cannulated Drill Sleeve, 11 mm  AR-1217S
Cannulated Drill, 12 mm  AR-1221L
Cannulated Drill Sleeve, 12 mm  AR-1221S

TUNNEL DILATORS

Dilated tunnel walls increase pull-out strength of soft tissue grafts fixed directly with Bio-Interference Screws.

The cannulated Tunnel Dilators enhance soft tissue graft fixation by dilating cancellous bone in the femoral or tibial tunnel wall prior to graft insertion and fixation. The dilators, in 0.5 mm size increments, facilitate a more precise tunnel/graft size matching without drilling.

The Quick Connect T-Handle easily attaches to the dilators, allowing for fast changes from one dilator size to the next.

ACL Tunnel Preparation Instrumentation Set (AR-1856S) includes:

Quick Connect T-Handle  AR-1416T
Tunnel Dilators, 5.5 mm - 12.0 mm  AR-1254-05.5 to AR-1254-12.0
Graft Sizing Block (6-12 mm diameter holes in 0.5 increments)  AR-1886
ACL Tunnel Preparation Instrumentation Case  AR-1856

STEPPED TIBIAL TUNNEL DILATORS

The cannulated Stepped Tibial Tunnel Dilators provide increased graft fixation strength without widening the tunnel at the tibial plateau. The smaller diameter end of the dilator is passed through the tunnel and past the plateau while the stepped back end, ø 1 mm larger than the tip end, compacts the tibial tunnel wall. The effect of a smaller tunnel exit at the plateau alleviates cortical wall breakage and creates a tighter graft-to-tunnel fit.

The Stepped Dilators attach to the Quick Connect T-Handle and easily detach when additional dilators are needed to complete tunnel dilation. Exact tunnel size matching to the graft within 1/2 mm is achieved with the standard tunnel dilators contained in the ACL Tunnel Preparation Instrumentation Set.

Stepped Tibial Tunnel Dilator, 6 mm/7 mm  AR-1857-67
Stepped Tibial Tunnel Dilator, 7 mm/8 mm  AR-1857-78
Stepped Tibial Tunnel Dilator, 8 mm/9 mm  AR-1857-89
Stepped Tibial Tunnel Dilator, 9 mm/10 mm  AR-1857-90
QUAD NOTCHER

When performing ACL reconstructions using a soft tissue graft, the Quad Notcher prepares the tibial tunnel for concentrically placing an interference screw between the graft strands preventing graft rotation during insertion. The Quad Notcher cuts a 4-quadrant notch simultaneously through the distal tibial tunnel cortex. When tunnel notching is completed, graft fixation is achieved by inserting a 35 mm Delta Tapered Bio-Interference Screw concentrically between the graft strands providing increased graft-to-tunnel wall contact to promote a faster healing response.

The superior and inferior notches are wider than the medial and lateral notches to allow for the size difference between the semitendinosus and gracilis tendons. The larger notches also facilitate the use of soft tissue allografts, such as tibialis tendon.

The notchers are angled at 55° to align with the angle of the tibial tunnel. Laser marks on the device also aid in properly aligning the notcher within the tunnel and orientation of the notchers. The Quad Notcher attaches to the Quick Connect T-Handle, facilitating fast and efficient impaction or removal.

Quad Notcher Set (AR-1842S) includes:
- Quick Connect T-Handle: AR-1416T
- Quad Notcher, 7 mm: AR-1842-07
- Quad Notcher, 8 mm: AR-1842-08
- Quad Notcher, 9 mm: AR-1842-09

RAFT SPREADER

The Graft Spreader is used to spread individual ACL graft strands exiting the tibial tunnel while equally tensioning each strand. Graft fixation is achieved by inserting a 35 mm Delta Tapered Bio-Interference Screw concentrically between the graft strands providing increased graft-to-tunnel wall contact to promote accelerated graft healing.

Graft Spreader: AR-1842

NOTCHPLASTY

The curved Tunnel/Notchplasty Rasp is ideal for completing the notchplasty and chamfering of the tibial and femoral tunnel rim. Designed specifically to smooth tunnel rims after drilling to reduce graft abrasion or laceration, the rasp fits easily through the tibial tunnel cannula in an 8 mm tunnel.

The offset shaft of the Notchplasty Osteotome provides easy access to the lateral wall of the intercondylar notch from the anteromedial portal for anatomical widening of the notch.

The open ring curette, which is sharp on both sides, will help to perform the soft tissue notchplasty to identify the over-the-top position.

Tunnel/Notchplasty Rasp: AR-1282
Notchplasty and Graft Harvesting Osteotome, 5 mm: AR-1830
Ring Curette, 5.4 mm, one side cut: AR-20010
Ring Curette, 5.4 mm, both sides cut: AR-20020
FEMORAL TUNNEL PREPARATION

TRANSTIBIAL FEMORAL GUIDES
A series of offset guides allow precise anatomical placement of femoral tunnels by referencing the over-the-top position. Five sizes (4, 5, 6, 7 & 8 mm offsets) provide a 1-2 mm tunnel backwall when used with the appropriately sized reamer. For example, a 7 mm offset Transtibial Femoral ACL Drill Guide (TTG) used with a 10 mm diameter reamer leaves a 2 mm backwall.

Disposable plastic Backflow Caps (in the ACL Transtibial Disposables Kits) are designed to eliminate annoying leakage of irrigation fluid through the cannulated handle during positioning and guide pin placement. Guide pins are simply drilled through the plastic cap.

| Transtibial Femoral ACL Drill Guide (TTG), 4 mm (6-7 mm tunnels) | AR-1806 |
| Transtibial Femoral ACL Drill Guide (TTG), 5 mm (7-8 mm tunnels) | AR-1803 |
| Transtibial Femoral ACL Drill Guide (TTG), 6 mm (8-9 mm tunnels) | AR-1804 |
| Transtibial Femoral ACL Drill Guide (TTG), 7 mm (9-10 mm tunnels) | AR-1801 |
| Transtibial Femoral ACL Drill Guide (TTG), 8 mm (10-11 mm tunnels) | AR-1805 |

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)

CANNULATED HEADEDreamers
This sharp, easy penetrating reamer design has rounded back edges that protect the PCL during endoscopic drilling of the femoral tunnel. Five millimeter calibrations provide precise depth control.

| Cannulated Headed Reamer, 5 mm | AR-1405 |
| Cannulated Headed Reamer, 5.5 mm | AR-1405.5 |
| Cannulated Headed Reamer, 6 mm | AR-1406 |
| Cannulated Headed Reamer, 6.5 mm | AR-1406.5 |
| Cannulated Headed Reamer, 7 mm | AR-1407 |
| Cannulated Headed Reamer, 7.5 mm | AR-1407.5 |
| Cannulated Headed Reamer, 8 mm | AR-1408 |
| Cannulated Headed Reamer, 8.5 mm | AR-1408.5 |
| Cannulated Headed Reamer, 9 mm | AR-1409 |
| Cannulated Headed Reamer, 9.5 mm | AR-1409.5 |
| Cannulated Headed Reamer, 10 mm | AR-1410 |
| Cannulated Headed Reamer, 10.5 mm | AR-1410.5 |
| Cannulated Headed Reamer, 11 mm | AR-1411 |
| Cannulated Headed Reamer, 12 mm | AR-1412 |
| Cannulated Headed Reamer, 13 mm | AR-1413 |
| Cannulated Headed Reamer, 14 mm | AR-1414 |

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)

TUNNEL NOTCHERS
The Tunnel Notcher creates a perfectly sized “keyhole” in the anterior wall of the femoral tunnel to facilitate guide pin and interference screw insertion.

The wider Tunnel Notcher for Bio-Interference Screw creates a broader “keyhole” in the anterior wall of the femoral tunnel to facilitate insertion of a Bio-Interference Screw.

| Tunnel Notcher | AR-1844 |
| Tunnel Notcher for Bio-Interference Screw | AR-1845 |
| RetroScrew Tunnel Notcher (a) | AR-1843BT |
TENDON GRAFT IMPLANTATION

ACL DISPOSABLES KITS

The single use Transtibial ACL Disposables Kits provide a convenient, sterile, complete set of all the guide pins and disposables required for an ACL reconstruction.

Transtibial ACL Disposables Kit with Hall Style Saw Blade, qty. 5,
includes one each of the following: AR-1897S
Graft Harvesting Kit AR-1821S
2.4 mm Guide Pin w/Suture Eye AR-1297L
2.4 mm Drill Tip Guide Pin AR-1250L
1.1 mm Nitinol Guide Pin for Bio-Interference Screw AR-1249
2.0 mm Nitinol Guide Pin w/25 mm and 30 mm depth markings AR-1254
Tibial Tunnel Cannula AR-18020
Backflow Cap AR-1812
153 mm Marking Ruler and Sterile Marking Pen

Transtibial ACL Disposables Kit without Saw Blade, qty. 5,
includes one each of the following: AR-1898S
2.4 mm Guide Pin w/Suture Eye AR-1297L
2.4 mm Drill Tip Guide Pin AR-1250L
1.1 mm Nitinol Guide Pin for Bio-Interference Screw AR-1249
2.0 mm Nitinol Guide Pin w/25 mm and 30 mm depth markings AR-1254
Tibial Tunnel Cannula AR-18020
Backflow Cap AR-1812
153 mm Marking Ruler and Sterile Marking Pen

ACL/PCL GRAFT PASSING FORCEPS

The ACL/PCL graft forceps is designed for atraumatic manipulation of the graft intraarticularly during graft passing. The smooth, curved jaws provide excellent rotational control of the graft during insertion into femoral tunnels. Excellent also for large loose body removal.

The SR Series Graspers feature a self-releasing lock mechanism that is easily disengaged as needed by simply moving the handles apart. The NR Series Graspers have nonlocking handles for ease of use from difficult hand positions encountered during surgery.

ACL/PCL Graft Passing Forceps w/SR Handle AR-13400SR
ACL/PCL Graft Passing Forceps w/NR Handle AR-13400NR
SHEATHED BIO-INTERFERENCE SCREW

The Sheathed Bio-Interference Screw of pure, primarily amorphous PLLA has a long term clinical follow up history that assures a safe, mechanically reliable interference screw fixation versus crystalline or HA/TCP ceramic composite screws. The unique, full length hex design distributes insertion torque forces over the entire screw length, reducing breakage or stripping associated with other bioabsorbable or composite screws. The windowed sheath eases screw insertion into the joint and prevents soft tissue graft rotation during insertion. The sheath also facilitates easy arthroscopic screw removal during size changes or revisions. The screw is simply screwed back into the sheath for arthroscopic removal.

Sheathed Bio-Interference Screw, 7 mm x 23 mm  AR-1370B
Sheathed Bio-Interference Screw, 8 mm x 23 mm  AR-1380B
Sheathed Bio-Interference Screw, 9 mm x 23 mm  AR-1390B
Sheathed Bio-Interference Screw, 10 mm x 23 mm  AR-1400B

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)

SHEATHED INTERFERENCE SCREW™

The Sheathed Interference Screw with rounded head provides secure protection of the graft during Transtibial endoscopic ACL reconstruction. The new translucent sheath improves arthroscopic visualization of the screw during insertion and eases introduction through arthroscopy portals and fat pad.

The sheath also facilitates arthroscopic screw removal from the femoral tunnel during size changes or revision procedures by backing the screw into the sheath which holds the screw during removal from the joint.

The larger cannulation allows insertion over a 2 mm diameter Nitinol Guide Pin with 25 & 30 mm depth markings. The 2 mm diameter helps to reduce divergence which may cause traditional smaller diameter pins to bend or kink, making them difficult to remove.

Sheathed Conullated Interference Screw, 6 mm x 20 mm  AR-1360E
Sheathed Conullated Interference Screw, 6 mm x 25 mm  AR-1361E
Sheathed Conullated Interference Screw, 7 mm x 15 mm  AR-1375E
Sheathed Conullated Interference Screw, 7 mm x 20 mm  AR-1370E
Sheathed Conullated Interference Screw, 7 mm x 25 mm  AR-1371E
Sheathed Conullated Interference Screw, 7 mm x 30 mm  AR-1372E
Sheathed Conullated Interference Screw, 8 mm x 20 mm  AR-1380E
Sheathed Conullated Interference Screw, 8 mm x 25 mm  AR-1381E
Sheathed Conullated Interference Screw, 8 mm x 30 mm  AR-1382E
Sheathed Conullated Interference Screw, 9 mm x 20 mm  AR-1390E
Sheathed Conullated Interference Screw, 9 mm x 25 mm  AR-1391E

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)
FULL THREAD TIBIAL BIO-INTERFERENCE SCREW

The pure, primarily amorphous PLLA Full Thread Bio-Interference Screw is an ideal 28 mm length to provide full thickness thread contact along the entire length of a 25 mm long BTB bone plug. Arthrex offers 7, 8, 9, 10, 11 and 12 mm diameters to accommodate all size graft and tunnel diameters. When fixating a BTB graft, a screw diameter 1 to 2 mm smaller than the tunnel diameter is recommended for maximum fixation. Screws are inserted over a guide pin secured anterior to the graft with a clamp in the joint to eliminate screw migration during insertion.

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Diameter</th>
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<tbody>
<tr>
<td>Full Thread Bio-Interference Screw, 7 mm x 28 mm</td>
<td>AR-1370TB</td>
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<td>Full Thread Bio-Interference Screw, 8 mm x 28 mm</td>
<td>AR-1380TB</td>
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<td>Full Thread Bio-Interference Screw, 9 mm x 28 mm</td>
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<td>Full Thread Bio-Interference Screw, 10 mm x 28 mm</td>
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<td>Full Thread Bio-Interference Screw, 11 mm x 28 mm</td>
<td>AR-1403TB</td>
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<tr>
<td>Full Thread Bio-Interference Screw, 12 mm x 28 mm</td>
<td>AR-1404TB</td>
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</tbody>
</table>

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)

FULL THREAD TITANIUM TIBIAL INTERFERENCE SCREW

All Full Thread Screws are precision manufactured of titanium alloy and are fully cannulated. They are supplied sterile and individually packed. Cannulated screws should be used in conjunction with a 2 mm diameter Nitinol Guide Pin.

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Diameter</th>
<th>Length</th>
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<tbody>
<tr>
<td>Full Thread Cannulated Interference Screw, 7 mm x 20 mm</td>
<td>AR-1370T</td>
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<tr>
<td>Full Thread Cannulated Interference Screw, 7 mm x 25 mm</td>
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<tr>
<td>Full Thread Cannulated Interference Screw, 9 mm x 30 mm</td>
<td>AR-1391T</td>
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<tr>
<td>Full Thread Cannulated Interference Screw, 10 mm x 20 mm</td>
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</tr>
<tr>
<td>Full Thread Cannulated Interference Screw, 10 mm x 25 mm</td>
<td>AR-1401T</td>
<td></td>
</tr>
<tr>
<td>Full Thread Cannulated Interference Screw, 10 mm x 30 mm</td>
<td>AR-1402T</td>
<td></td>
</tr>
</tbody>
</table>

Guide Pin available sterile in the Transtibial ACL Disposables Kit (see page 15)
TRANSFIX II CROSS PIN FIXATION

The 5 mm Bio-TransFix Implant (for soft tissue) and the 3 mm BTB Bio-TransFix Implant (for bone-tendon grafts) provide the surgeon with maximum pull-out strength while maintaining fast and efficient implantation methods. Increased graft compression in the femoral tunnel gives a secure transverse femoral fixation second to none. The implant is impacted to securely fixate the graft in place.

Titanium TransFix cross pin fixation provides some of the strongest femoral fixation of any metal implant for soft tissue or bone-tendon grafts available. With soft tissue, single cross pin fixation equals the length and load to all four graft strands independent of tibial fixation, maximizing graft stiffness. For bone-tendon grafts, single cross pin fixation uses a single graft drill hole for both graft passing and implant insertion, significantly reducing the possibility of graft fracture. It also enables the implant to be consistently centered in the graft and femoral socket.

The 3 mm TransFix Implant allows insertion by impaction and has reverse cutting threads for screw-out removal. The TransFix Screw is rotated into position to securely fixate the graft. Self-cutting, self-tapping screw threads allow for easy insertion or removal during revision procedures. Both the TransFix Implant and TransFix Screw, available in 40 or 50 mm lengths, are made from titanium for maximum strength. All screws and implants are sterile and single use.

Bio-TransFix Implant, 5 mm x 40 mm
Bio-TransFix Implant, 5 mm x 50 mm (b)
Bone Tendon Bio-TransFix, 3 mm x 40 mm
Bone Tendon Bio-TransFix, 3 mm x 50 mm (d)
TransFix Implant, 3 mm x 40 mm, titanium (c)
TransFix Implant, 3 mm x 50 mm, titanium
TransFix Screw, 3 mm x 40 mm, titanium (a)
TransFix Screw, 3 mm x 50 mm, titanium
TransFix Disposables Kit, sterile
BTB TransFix II Pin and Graft Passing Wire Set

DELTA TAPERED BIO-INTERFERENCE SCREW

The cannulated 35 mm long Delta Screw of pure, primarily amorphous PLLA tapers 1.5 mm from distal to proximal to ease insertion yet provide maximum compression and fixation of soft tissue grafts. The Delta Screw can be inserted eccentrically to whipstitched grafts or inserted concentrically between individual graft strands separated into quadrant notches made with a Quad Notcher. In this case, the graft is tensioned using the Graft Spreader to eliminate graft rotation during screw insertion. A Delta Screw distal end diameter should be 1 to 2 mm larger than the tunnel diameter when fixating soft tissue grafts in the tibial tunnel.

Cannulated Delta Tapered Bio-Interference Screw, 7.5 mm - 9 mm
Cannulated Delta Tapered Bio-Interference Screw, 8.5 mm - 10 mm
Cannulated Delta Tapered Bio-Interference Screw, 9.5 mm - 11 mm
Cannulated Delta Tapered Bio-Interference Screw, 10.5 mm - 12 mm
Cannulated Screwdriver for Delta Bio-Interference Screw
Cannulated Screwdriver Shaft for Delta Bio-Interference Screw

28 mm ROUND DELTA BIO-INTERFERENCE SCREW

The cannulated round head 28 mm Delta Bio-Interference Screw was designed specifically for femoral soft tissue graft fixation. The delta screw diameter increases 1.5 mm from distal to proximal to allow easier starting, increased graft compression and subsequent fixation strength upon full insertion.

Clear PLLA screws provide transparent, arthroscopic visualization of the graft through the screw during and after fixation to confirm anatomical orientation of the graft. The translucent screw sheath that accompanies the 8, 9 or 10 mm screw eases screw insertion into the joint space and prevents graft wrapping.

Round Delta Tapered Bio-Interference Screw w/Sheath, 8 mm x 28 mm
Round Delta Tapered Bio-Interference Screw w/Sheath, 9 mm x 28 mm
Round Delta Tapered Bio-Interference Screw w/Sheath, 10 mm x 28 mm
Round Delta Tapered Bio-Interference Screw, 11 mm x 28 mm
Guide Pin available sterile in the Trans-Tibial ACL Disposables Kit (see page 15)
A revolutionary advancement in tibial and femoral soft tissue graft fixation, the PLLA or titanium RetroScrews are available with left and right handed threads and allow true tunnel orifice graft fixation with a round head, to minimize graft abrasion and tunnel widening with maximum graft fixation and stiffness. Retrograde insertion provides strong fixation in cortical bone and prevents synovial fluid migration into the tibial tunnel.

A FiberStick traction suture is passed through a thin, cannulated screwdriver and the screw-driver is inserted past the graft. The RetroScrew is inserted through the anteromedial portal with a Shoehorn Cannula and the traction suture pulled to seat the screw on the driver. The screw is inserted into the tunnel orifice in the same direction as graft tensioning.

### Accessories:

- RetroScrew Driver, thin (a) AR-1584R
- Retro Tunnel Notcher AR-1843BT
- FiberStick, #2 FiberWire, 50 inches (blue) one end stiffened, 12 inches AR-7209
- Shoehorn Cannula, 6 mm I.D. x 9 cm, sterile, qty. 5 AR-6565

### SUTURE BUTTONS

Two and four-hole titanium Suture Buttons are ideal for primary or backup FiberWire fixation of ACL/PCL grafts and augmenting bone bridges. Suture Buttons come presterilized and ready for use.

- Suture Button, 3.5 mm (b) and 7.5 mm (c) AR-8920 and AR-8922
- Suture Button Inserter AR-8923

### RETROBUTTON®

The RetroButton is the fastest way to obtain strong suture button fixation on cortical bone. The 12 mm or 15 mm long titanium buttons pass through a 3 mm cortical pin hole without overdrilling, which saves time and preserves bone. The simplified measuring technique also reduces steps and improves sizing accuracy. The continuous polyethylene loop, available in 10 lengths (15 - 60 mm), provides maximum strength and stiffness with a widened,atraumatic graft interface to protect graft integrity.

- RetroButton, 12 mm, 15 mm loop AR-1588-15
- RetroButton, 12 mm, 20 mm loop AR-1588-20
- RetroButton, 12 mm, 25 mm loop AR-1588-25
- RetroButton, 12 mm, 30 mm loop AR-1588-30
- RetroButton, 12 mm, 35 mm loop AR-1588-35
- RetroButton, 12 mm, 40 mm loop AR-1588-40
- RetroButton, 12 mm, 45 mm loop AR-1588-45
- RetroButton, 12 mm, 50 mm loop AR-1588-50
- RetroButton, 12 mm, 55 mm loop AR-1588-55
- RetroButton, 12 mm, 60 mm loop AR-1588-60

- RetroButton, 15 mm long, 15 mm loop AR-1589-15
- RetroButton, 15 mm long, 20 mm loop AR-1589-20
- RetroButton, 15 mm long, 25 mm loop AR-1589-25
- RetroButton, 15 mm long, 30 mm loop AR-1589-30
- RetroButton, 15 mm long, 35 mm loop AR-1589-35
- RetroButton, 15 mm long, 40 mm loop AR-1589-40
- RetroButton, 15 mm long, 45 mm loop AR-1589-45
- RetroButton, 15 mm long, 50 mm loop AR-1589-50
- RetroButton, 15 mm long, 55 mm loop AR-1589-55
- RetroButton, 15 mm long, 60 mm loop AR-1589-60

- RetroButton Drill Pin, 3 mm AR-1590
- RetroButton Depth Guide AR-1270
**QUICK-CONNECT SCREWDRIVER SYSTEM**

The non-slip handle provides a more comfortable and controlled method of interference screw insertion than conventional screwdrivers. The Hudson locking mechanism allows for instant interchangeability of tips to facilitate insertion of titanium or Bio-Interference Screws.

The short shaft attachments provide greater control during tibial screw fixation. The Torque Measurement Device, in conjunction with the Ratcheting Screwdriver Handle, provides a quantifiable method of measuring insertion torque which directly correlates to pull-out strength of ACL/PCL reconstructions.

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratcheting Screwdriver Handle</td>
<td>AR-1999</td>
</tr>
<tr>
<td>Non-Ratcheting Screwdriver Handle</td>
<td>AR-1999NR</td>
</tr>
<tr>
<td>Easy-In and Easy-Out (c)</td>
<td>AR-1993 and 1994</td>
</tr>
<tr>
<td>Cannulated Bio-Interference Screwdriver Shaft, ø5.5 mm x 17 cm</td>
<td>AR-1997</td>
</tr>
<tr>
<td>Cannulated Screwdriver Shaft for Delta Bio-Interference Screw</td>
<td>AR-1997D</td>
</tr>
<tr>
<td>Cannulated Short Screwdriver Shaft for Bio-Interference Screw, ø5.5 mm x 13.4 cm</td>
<td>AR-1997SH</td>
</tr>
<tr>
<td>Cannulated Screwdriver Shaft, 3.5 mm Hex, ø5.5 mm x 17 cm</td>
<td>AR-1998</td>
</tr>
<tr>
<td>Cannulated Short Screwdriver Shaft, 3.5 mm Hex, ø5.5 mm x 11.6 cm</td>
<td>AR-1998SH</td>
</tr>
<tr>
<td>Torque Measurement Device (b)</td>
<td>AR-1990</td>
</tr>
</tbody>
</table>

**BIO-INTERFERENCE SCREW SET**

Designed specifically for the Bio-Interference Screw, this complete set includes a non-slip, quick-connect ratcheting handle with procedure specific driver shafts that facilitate a more comfortable and controlled method of interference screw insertion.

Tunnel-specific screwdriver shafts provide the optimal length and tip configuration for femoral and tibial tunnel screw insertion. The Tunnel Notcher for Bio-Interference Screw is slightly wider to provide easy purchase of screws without screw or graft rotation. Easy-In and Easy-Out attachable shafts provide a simple solution to complete insertion/removal of stripped or cracked screws from any bioabsorbable or metal interference screw manufacturer.


**ACL REVISION SET**

The ACL Revision set conveniently combines all of the most commonly needed ACL implant removal instruments into one small case.

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Ratcheting Screwdriver Handle</td>
<td>AR-1999NR</td>
</tr>
<tr>
<td>Cannulated Transitional Screwdriver Shaft, 3.5 mm Hex, ø4 mm x 19.6 cm</td>
<td>AR-1998T</td>
</tr>
<tr>
<td>Transitional Screwdriver Shaft, 2.5 mm Hex</td>
<td>AR-1998T25</td>
</tr>
<tr>
<td>Transitional Screwdriver Shaft, 3 mm Hex</td>
<td>AR-1998T30</td>
</tr>
<tr>
<td>Transitional Screwdriver Shaft, 4 mm Hex, cannulated</td>
<td>AR-1998T40</td>
</tr>
<tr>
<td>Bio-TransFix Extraction Pin</td>
<td>AR-1973E</td>
</tr>
<tr>
<td>Easy-In and Easy-Out (c)</td>
<td>AR-1993 and 1994</td>
</tr>
<tr>
<td>Cannulated Screwdriver Shaft for Delta Bio-Interference Screw</td>
<td>AR-1997D</td>
</tr>
<tr>
<td>ACL Revision Set Instrumentation Case</td>
<td>AR-1896RC</td>
</tr>
</tbody>
</table>
Backup fixation of ACL/PCL grafts using the Bio-Tenodesis Screw System should be considered in situations of poor metaphyseal bone or when less than 15 in/lbs of insertion torque is quantified during Delta Screw insertion. Bio-Tenodesis Screw fixation with FiberWire significantly increases tibial fixation strength without soft tissue post-op irritation. The Bio-Tenodesis Screw may be used to secure the graft end directly into a 1 cm distally drilled socket or with FiberWire alone as a screw/post substitute. The Bio-Tenodesis System is also ideal for MCL, LCL, PLC, or ACL/PCL reconstruction.

Bio-Tenodesis Master Set (AR-1675S) includes:
- Tear Drop Handle w/Suture Cleat  AR-2001BT
- Cannulated Drill, 4 mm  AR-1204L
- Cannulated Drill, 4.5 mm  AR-1204.5L
- Cannulated Headed Reamer, 5 mm  AR-1405
- Cannulated Headed Reamer, 5.5 mm  AR-1405.5
- Cannulated Headed Reamer, 6 mm  AR-1406
- Cannulated Headed Reamer, 6.5 mm  AR-1406.5
- Cannulated Headed Reamer, 7 mm  AR-1407
- Cannulated Headed Reamer, 7.5 mm  AR-1407.5
- Cannulated Headed Reamer, 8 mm  AR-1408
- Cannulated Headed Reamer, 8.5 mm  AR-1408.5
- Cannulated Headed Reamer, 9 mm  AR-1409
- Cannulated Headed Reamer, 10 mm  AR-1410
- Driver for 10 mm Bio-Tenodesis Screw  AR-1540DB
- Driver for 12 mm Bio-Tenodesis Screw  AR-1670DB
- Driver for 15 mm Bio-Tenodesis Screw  AR-1570DB
- Bio-Tenodesis Screw Instrumentation Case  AR-1675C

Bio-Tenodesis Screw System Implants:
- Bio-Tenodesis Screw w/handled inserter, 3 mm x 8 mm (a) AR-1530B
- Bio-Tenodesis Screw, 4 mm x 10 mm AR-1540B
- Bio-Tenodesis Screw, 4.75 mm x 15 mm AR-1547B
- Tenodesis Screw, titanium, 4.75 mm x 15 mm AR-1350-475
- PEEK Tenodesis Screw, 5.5 mm x 8 mm AR-1655PS
- Tenodesis Screw, titanium, 5.5 mm x 15 mm AR-1350-55
- Bio-Tenodesis Screw, 5.5 mm x 15 mm AR-1555B
- Bio-Tenodesis Screw, 6.25 mm x 15 mm AR-1562B
- Bio-Tenodesis Screw, 7 mm x 10 mm AR-1670B
- Bio-Tenodesis Screw, 7 mm x 23 mm AR-1570B
- Bio-Tenodesis Screw, 8 mm x 23 mm AR-1580B
- Bio-Tenodesis Screw, 8 mm x 12 mm AR-1680B
- Bio-Tenodesis Screw, 9 mm x 23 mm AR-1590B

Disposables:
- Bio-Tenodesis Disposables Kit AR-1676DS
- Small Diameter Bio-Tenodesis Disposables Kit AR-1677DS
- #2 FiberSneeze, #2 FiberWire, 26 inches (green) stiffened w/dosaur loop, 12 inches AR-7209SN
- #2 FiberLoop w/Straight Needle AR-7234

Bio-Tenodesis Screw System ACL Backup Accessories:
- Drill Pin Tip Headed Reamer, 7 mm AR-1407DP
- Drill Pin Tip Headed Reamer, 8 mm AR-1408DP
- Drill Pin Tip Headed Reamer, 9 mm AR-1409DP

Optional Accessories:
- Bio-Tenodesis Tap, 4 mm x 10 mm AR-1540T
- Bio-Tenodesis Tap, 4.75 mm x 15 mm AR-1547T
- Bio-Tenodesis Tap, 5.5 mm x 15 mm AR-1555T
- Bio-Tenodesis Tap, 6.25 mm x 15 mm AR-1562T
- Bio-Tenodesis Tap, 7 mm x 23 mm AR-1570T
- Bio-Tenodesis Tap, 7 mm x 10 mm AR-1670T
- Bio-Tenodesis Tap, 8 mm x 12 mm AR-1680T
- Tenodesis Screwdriver AR-2255D
SUTURE ANCHORS FOR THE KNEE

The 2.8 mm diameter titanium FASTak II w/#2 FiberWire is the ideal suture anchor for soft tissue-to-cortical-bone fixation around the knee. No instruments, predrilling or tapping is required, just drill it.

The 3 mm diameter Bio-SutureTak w/ Needles is a bioabsorbable PLDLA option for soft tissue-to-cortical-bone. Just predrill and tap in with a small mallet.

The 5 mm diameter Bio-Corkscrew w/#2 FiberWire is the right option for larger repairs in cancellous bone or when maximum pull-out strength is required. A hole is punched and pretapped prior to insertion. #5 FiberWire can be exchanged for #2 FiberWire when required.

All Arthrex anchors come sterile and loaded on a single use driver, ready for use.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio-SutureTak® Suture Anchor w/Needles, 3 mm</td>
<td>AR-1934BN</td>
</tr>
<tr>
<td>Short Spear for Bio-SutureTak</td>
<td>AR-13226G</td>
</tr>
<tr>
<td>Short Spade Tip Drill</td>
<td>AR-1256</td>
</tr>
<tr>
<td>FASTak™ II Suture Anchor w/#2 FiberWire, 2.8 mm</td>
<td>AR-1324SF</td>
</tr>
<tr>
<td>FASTak II Suture Anchor w/Handle, 2.8 mm x 11.7 mm</td>
<td>AR-1324H</td>
</tr>
<tr>
<td>FASTak II Suture Anchor w/Handle and #2 FiberWire, 2.8 mm x 11.7 mm</td>
<td>AR-1324HF</td>
</tr>
<tr>
<td>Bio-Corkscrew® w/two #2 FiberWire</td>
<td>AR-1920BF</td>
</tr>
<tr>
<td>Bio-Corkscrew Cutting Punch, 5 mm</td>
<td>AR-1920CPB</td>
</tr>
<tr>
<td>Bio-Corkscrew Combo Punch/Tap, 5 mm</td>
<td>AR-1920PTB</td>
</tr>
<tr>
<td>Bio-Corkscrew Combo Punch/Tap, 6.5 mm</td>
<td>AR-1925PTB</td>
</tr>
<tr>
<td>Bio-Corkscrew Punch, 5 mm</td>
<td>AR-1920PB</td>
</tr>
</tbody>
</table>

BI-CORTICAL BIO-POST™ SYSTEM

The Bi-Cortical Bio-Post and Washer System offers a bioabsorbable PLLA screw for suture or soft tissue fixation in ligament repair or reconstruction. The nontapered 6.5 mm diameter screw has a unique hybrid thread that is designed to provide maximum fixation in bone. The screw comes in one length, 70 mm, and can be easily cut to size intraoperatively using the Screw Cutting Guide and Screw Cutting Forceps. The unique one-size-fits-all feature may also help reduce the number of screw product codes maintained in inventory.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Bi-Cortical Bio-Post, 6.5 mm x 70 mm</td>
<td>AR-1367B</td>
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<tr>
<td>Bi-Cortical Bio-Post Instrumentation Set (AR-1367S) includes:</td>
<td></td>
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<tr>
<td>Drill Tip Guide Pin, 1.5 mm</td>
<td>AR-4165K</td>
</tr>
<tr>
<td>Bi-Cortical Bio-Post Countersink</td>
<td>AR-1369</td>
</tr>
<tr>
<td>Bi-Cortical Bio-Post Drill Bit</td>
<td>AR-1367D</td>
</tr>
<tr>
<td>Bi-Cortical Bio-Post Driver</td>
<td>AR-13670B</td>
</tr>
<tr>
<td>Screw Cutting Forceps</td>
<td>AR-1367F</td>
</tr>
<tr>
<td>Drill Guide</td>
<td>AR-1367G</td>
</tr>
<tr>
<td>Bone Cutting Guide</td>
<td>AR-1367J</td>
</tr>
<tr>
<td>Bi-Cortical Bio-Post Bone Tap</td>
<td>AR-1367TJ</td>
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<tr>
<td>Depth Gauge</td>
<td>AR-4167</td>
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<tr>
<td>Tear Drop Handle</td>
<td>AR-2001</td>
</tr>
<tr>
<td>Bi-Cortical Bio-Post Set Instrumentation Case</td>
<td>AR-1367C</td>
</tr>
</tbody>
</table>
**BI-CORTICAL LOW PROFILE POST SYSTEM**

The 4.5 mm diameter Bi-Cortical Post has an extremely low profile head to reduce soft tissue irritation. A 2.5 mm Drill for Bi-Cortical Post is used to broach the cortical bone, while the Depth Gauge is used to obtain accurate sizing information. Although the post has a self-tapping feature, a tap is included for those who prefer the “drill-measure-tap” insertion technique.

The optional low profile, spiked or suture washer may be used in conjunction with the Bi-Cortical Post for fixation of soft tissue directly to bone. The post and washers are manufactured using titanium ASTM F-136 alloy.

**Bi-Cortical Post Instrumentation Set AR-1365S**
- Bi-Cortical Posts, 4.5 mm x 25 mm to 60 mm (in 2.5 mm increments) AR-1365-25 to AR-1365-60
- Bi-Cortical Posts, 6.5 mm x 30 mm to 50 mm (in 2 mm increments) AR-1366-30 to AR-1366-50
- Spiked Washers for Cancellous Screw, 14 mm & 18 mm AR-1349 & AR-1349L
- Suture Washers for Cancellous Screw, 14 mm & 18 mm AR-1349M & AR-1349LM

**Additional Instrumentation for 6.5 mm Bi-Cortical Post**
- Bi-Cortical Post Tap, 6.5 mm AR-1366T
- Drill Bit, 3.5 mm AR-4160-35
- Noncannulated Screwdriver Shaft, 3.5 mm Hex AR-1998N

**LOW PROFILE LIGAMENT STAPLES**

Ligament staples, with a low profile bridge, reduce the frequency of secondary removal due to patient discomfort caused by soft tissue irritation.

The cobalt chrome spiked fixation staple has sharp leg points for easier penetration into cortical bone without predrilling. The Staple Driver with attachable impactor/extractor allows complete impaction since the staple driver tip is flush with the staple bridge. The Staple Seating Punch may be used for further impaction. All staples are 20 mm in length.

**Spiked Ligament Staple, 6 mm width AR-1006**
- Spikedless Ligament Staple, 6 mm width AR-1006A
- Spiked Ligament Staple, 8 mm, 11 mm and 16 mm width AR-1008, AR-1011 and AR-1016
- Staple Driver Set AR-1005S

**TRI-CORTICAL™ SCREW FIXATION**

The Bio-Cortical Interference Screws are designed to provide even greater fixation of soft tissue grafts in the tibial tunnel when softer bone density is encountered. The 20 mm proximal Bio-Cortical Screw is inserted flush with the proximal end of the tibial tunnel to maximize graft stiffness and fixation against cortical bone, reduce synovial fluid intrusion into the tibial tunnel and prevent graft side motion and subsequent tunnel widening.

The 17 mm distal Bio-Cortical Screw, one or two mm larger than the tunnel diameter, is inserted with its 50˚ angled back end flush with the tibial tunnel exit to maximize fixation against the distal cortex and prevent blood from flowing into surrounding soft tissue to significantly reduce subsequent postoperative hematomas.

The 17 mm distal screw can be used as a backup with the 28 mm screw placed proximally if sufficient tibial tunnel accommodates both screw lengths.

**Proximal Tibial Tunnel Screws:**
- Bio-Cortical Interference Screw, 8 mm x 20 mm AR-5080BB
- Bio-Cortical Interference Screw, 9 mm x 20 mm AR-5090BB
- Bio-Cortical Interference Screw, 10 mm x 20 mm AR-5010BB

**Distal Tibial Tunnel Screws:**
- Bio-Cortical Interference Screw, 8 mm x 17 mm, angled AR-5080AB
- Bio-Cortical Interference Screw, 9 mm x 17 mm, angled AR-5090AB
- Bio-Cortical Interference Screw, 10 mm x 17 mm, angled AR-5010AB
- Bio-Cortical Interference Screw, 11 mm x 17 mm, angled AR-5011AB
PCL CRUCIATE TOOLBOX™ INSTRUMENTATION SET

The PCL Cruciate ToolBox is the most comprehensive system the experienced surgeon needs for PCL reconstruction. It consists of the Adapteur adjustable angle drill guide with interchangeable marking hooks that have millimeter graduations for reproducible, anatomical tunnel placement.

The set also contains all necessary Tunnel Dilators and Headed Reamers in .5 mm increments, anatomically curved PCL Rasp, drill stop for safe mechanical pin insertion, a “Worm” Curving Suture Passer, and the PCL Suture Pusher.

Double Bundle PCL Guides were developed to reproducibly and accurately create the femoral tunnels necessary in arthroscopic double bundle PCL reconstruction.

PCL Cruciate Reconstruction ToolBox Set (AR-1269S) includes:

- Cannulated Drills, 6, 7, 8 and 9 mm  AR-1206L - AR-1209L
- PCL Suture Pusher  AR-1263
- PCL Rasp  AR-1264
- PCL Popliteal Protector Cap  AR-1267
- "Worm" Curving Suture Passer  AR-1268
- Cannulated Headed Reamers, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5 and 11 mm  AR-1407 - AR-1411
- Jacob’s Chuck Handle  AR-1415
- Quick Connect T-Handle  AR-1416T
- PCL Femoral Target Marking Hook, right  AR-1846
- PCL Femoral Target Marking Hook, left  AR-1847
- Tunnel Dilator, 7 mm  AR-1854-07.0
- Tunnel Dilator, 7.5 mm  AR-1854-07.5
- Tunnel Dilator, 8 mm  AR-1854-08.0
- Tunnel Dilator, 8.5 mm  AR-1854-08.5
- Tunnel Dilator, 9 mm  AR-1854-09.0
- Tunnel Dilator, 9.5 mm  AR-1854-09.5
- Tunnel Dilator, 10 mm  AR-1854-10.0
- Tunnel Dilator, 10.5 mm  AR-1854-10.5
- Tunnel Dilator, 11 mm  AR-1854-11.0
- Adapteur Drill Guide C-Ring  AR-1875
- Graduated Guide Pin Sleeve for 2.4 mm Pins  AR-1876
- Drill Stop for Adapteur Drill Guide  AR-1877
- PCL Tibial Adapteur Guide Marking Hook, curved  AR-1880
- PCL Tibial Adapteur Guide Marking Hook, angled  AR-1880-01
- Easy-In and Easy-Out  AR-1993 and AR-1994
- Cannulated Bio-Interference Screwdriver Shaft  AR-1997
- Cannulated Screwdriver Shaft for Delta Bio-Interference Screw  AR-19970
- Cannulated Screwdriver Shaft, 3.5 mm Hex  AR-1998
- Ratcheting Screwdriver Handle  AR-1999
- Double Bundle PCL Guide, 6 mm  AR-5015-06
- Double Bundle PCL Guide, 7 mm  AR-5015-07
- Double Bundle PCL Guide, 8 mm  AR-5015-08
- Double Bundle PCL Guide, 9 mm  AR-5015-09
- Double Bundle PCL Guide, 10 mm  AR-5015-10
- Double Bundle PCL Guide, 11 mm  AR-5015-11
- Suture Retriever  AR-4030
- PCL Curved Curette, closed end  AR-5013
- PCL Straight Curette, closed end  AR-5014
- Chuck Key  AR-8241
- PCL Cruciate ToolBox Instrumentation Case  AR-1269C
FEMORAL & TIBIAL MARKING HOOKS

The PCL Femoral Target Marking Hook features a fixation spike that is placed at the articular cartilage margin to target guide pin entry 8 mm posterior of the cartilage margin.

PCL Tibial Adapteur Guide Marking Hook calibrations provide arthroscopic confirmation of anatomical guide pin placement down to 14 mm below the tibial plateau.

PCL Femoral Target Marking Hook, right AR-1846
PCL Femoral Target Marking Hook, left (a) AR-1847
PCL Tibial Adapteur Guide Marking Hook (b) AR-1880
PCL Femoral Adapteur Guide Marking Hook AR-1882
PCL Rasp (c) AR-1264
PCL Curved Curette (c) AR-5013
Femoral PCL Guide for RetroConstruction, 80˚ (d) AR-1848R
Tibial PCL Guide Marking Hook for RetroConstruction, 60˚ (d) AR-1880R

PCL SUTURE PASSING

The “Worm” Curving Suture Passer is designed to carry graft passing sutures through the tibial tunnel into the intercondylar notch. As the wire loop and suture exit the tube, the wire curves 180˚ into the notch for easy viewing and suture retrieval through the femoral tunnel.

A graft passing suture is placed no more than one inch through the wire loop and then both are pulled into the tube. After passing the tube through the tibial tunnel, the wire loop with suture end is advanced, transporting the suture loop into the notch. The suture is retrieved from the wire loop with a grasper from an anterior portal and the “worm” retracted and removed. The suture is passed to a grasper inserted through the femoral tunnel.

“Worm” Curving Suture Passer AR-1268

DOUBLE BUNDLE PCL TECHNIQUE

The Double Bundle PCL Guides were developed to reproducibly and accurately create the femoral tunnels necessary in arthroscopic double bundle PCL reconstruction. The guides simplify guide pin placement for anterolateral and posteromedial femoral tunnel sockets drilled endoscopically from an anterolateral portal.

During anterolateral tunnel placement a guide can be used either to reference and offset the tunnel 2 mm from the articular cartilage margin, or as a visual aid that simulates exact tunnel position and size. The guides will mimic the subsequent drill hole and, therefore, make exact tunnel placement possible.

Double Bundle PCL Guide Set (AR-5015S):
Double Bundle PCL Guide, 6 mm AR-5015-06
Double Bundle PCL Guide, 7 mm AR-5015-07
Double Bundle PCL Guide, 8 mm AR-5015-08
Double Bundle PCL Guide, 9 mm AR-5015-09
Double Bundle PCL Guide, 10 mm AR-5015-10
Double Bundle PCL Guide, 11 mm AR-5015-11
Double Bundle PCL Guide, 12 mm AR-5015-12
Double Bundle PCL Guide Instrument Case AR-5015C
OSTEOCHONDRAL FLAP REPAIR SYSTEM

The instruments provide compression to an osteochondral fragment during Dart insertion below the surface of the articular cartilage for strong, bioabsorbable fixation of smaller osteochondral flaps of 5 mm to 20 mm in diameter.

The single shot instruments are designed to manually insert individual darts one at a time. The sheath is placed against the fragment to provide compression. The stainless steel trocar passes through the sheath to a controlled depth. The 1.3 mm diameter PLLA Dart is inserted directly into the sheath positioned firmly over the drilled hole. The Dart depth is controlled so that the Dart is countersunk 2 mm below the surface of the cartilage into subchondral bone.

The single use multi-shot instrumentation offers a controlled method to manage larger fragments with multiple Darts. Clear guide sleeves in 2 or 4 hole sizes provide atraumatic compression to the fragment throughout the procedure while allowing the surgeon to see the passage of instruments and underlying fragment through the sheath. The step design of the pins allow easy access for drilling and removal. These pins stabilize the guide sleeve to create necessary pilot holes for implant insertion.

Osteochondral Flap Repair Single Shot Set (AR-4009S), sterile, single use, qty. 5, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Cannula

Osteochondral Flap Repair Multi-Shot Set (AR-4095S), sterile, single use, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Cannula
- Osteochondral Flap Repair Blunt Pin
- Osteochondral Flap Repair 2-Hole Guide Sleeve
- Osteochondral Flap Repair 4-Hole Guide Sleeve
- Osteochondral Flap Repair Drill Pins, S, M, L and XL

CHONDRAL DART™

The bioabsorbable PLLA Chondral Dart has a unique, double reversed barbed design to facilitate superior fixation and compression of osteochondral flap tears up to 2 cm in diameter. The 18 mm long, 1.3 mm diameter Chondral Dart provides secure fixation under the hyaline cartilage surface to eliminate contact with sensitive articulating surfaces.

Chondral Dart, 1.3 mm x 18 mm, sterile, qty. 5

AR-4005B-18
MICRO-FRACTURE

These angled Chondro Picks are designed to perforate the base of osteochondral defects faster and safer than pin drilling. Various angled tips and shaft configurations allow access to most defects in the patello-femoral joint.

Tips hardened with titanium nitride provide visual 3 mm depth control during defect perforation.

Delrin endcaps allow use of a mallet to assist in perforation.

Chondro Pick Set (AR-1760S) includes:
- Chondro Pick, 20˚  AR-1761
- Chondro Pick, 40˚  AR-1762
- Chondro Pick, 60˚  AR-1763
- Chondro Pick, 25˚, curved tip  AR-1764
- Chondro Pick, 35˚, curved tip  AR-1765
- Chondro Pick Instrument Case  AR-1766

BIO-COMPRESSION SCREW

The 2.7 mm Bio-Compression Screw eliminates metal screw removal hassles, soft tissue impingement, and unwelcome image scatter.

For fracture and osteotomy fixation in periarticular applications, this screw offers interfragmentary compression and a headless profile to promote healing. Produced from solid enhanced PLLA and designed for excellent thread-to-bone contact, the Bio-Compression Screw provides excellent strength during insertion and through healing.

Using a stepped thread pitch and a taper, this screw draws two fragments together without the need to overdill/lag the proximal piece. And since the Bio-Compression Screw is headless and absorbable, it offers zero prominence above the cortex and zero image on x-ray. This is as close to a natural repair as possible. In doing all this, a simple low cost set ensures proper drill depth and tapping with no guesswork.

Compression Screw Set (AR-5025S) includes:
- Compression Screw Driver  AR-5025DB
- Small Handle w/AO Connection  AR-2001AOT
- Dilator Tap, 2.7 mm  AR-5025TB
- Compression Screw Guide  AR-5025G
- Compression Screw Drill Bit, 2.7 mm  AR-5025TD
- Compression Cannulated Dilator Tap  AR-5025TBC
- Bio-Compression Cannulated Dilator Tap, 22 mm  AR-5025TBC-22
- Bio-Compression Cannulated Dilator Tap, 24 mm  AR-5025TBC-24
- Bio-Compression Cannulated Dilator Tap, 26 mm  AR-5025TBC-26
- Compression Cannulated Drill Bit  AR-5025TDC
- Bio-Compression Cannulated Drill Bit, 22 mm  AR-5025TDC-22
- Bio-Compression Cannulated Drill Bit, 24 mm  AR-5025TDC-24
- Bio-Compression Cannulated Drill Bit, 26 mm  AR-5025TDC-26
- Guide Wire with Trocar Tip  AR-5025K
- Compression Screw Instrumentation Case  AR-5025C

Implants:
- Bio-Compression Screw, 2.7 - 3.7 mm x 20 mm  AR-5025B-20
- Bio-Compression Screw, 2.7 - 3.7 mm x 22 mm  AR-5025B-22
- Bio-Compression Screw, 2.7 - 3.7 mm x 24 mm  AR-5025B-24
- Bio-Compression Screw, 2.7 - 3.7 mm x 26 mm  AR-5025B-26

Disposable:
- Hot Loop Cutter  AR-4160HC
SINGLE USE OATS® SYSTEM

The sterile Single Use Osteochondral Autograft Transfer System (OATS) facilitates harvesting of 6, 8, or 10 mm osteochondral/hyaline cartilage cylinders from a donor site superior and lateral to the notch or above the sulcus terminalis. A recipient socket, sized to the appropriate depth, is created in the chondral defect to accept the donor graft. The bone cylinder can be visualized through the clear Graft Delivery Tube while it is inserted with the Collared Pin delivery system for press-fit fixation.

The completely disposable, size-specific system includes: recipient harvester, donor harvester, alignment rod, tamp, Graft Delivery Tube, Core Extruder for controlled push-in core insertion, and optional graft driver.

All of the system components are provided sterile, packaged in a rigid thermo-formed tray, nestled in individual compartments.

Single Use OATS Sets:

<table>
<thead>
<tr>
<th>Single Use OATS Set, 6 mm</th>
<th>AR-1981-06S</th>
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</thead>
<tbody>
<tr>
<td>Single Use OATS Set, 8 mm</td>
<td>AR-1981-08S</td>
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<tr>
<td>Single Use OATS Set, 10 mm</td>
<td>AR-1981-10S</td>
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</tbody>
</table>

Optional:

| OATS Sizer/Tamps Set, 6, 8 and 10 mm | AR-1985S |

RETROGRADE OATS® SYSTEM

The sterile Retrograde Osteochondral Autograft Transfer System (OATS) facilitates harvesting of precisely angled 8 or 10 mm osteochondral hyaline cartilage cylinders to resurface lesions in the tibial plateau or patella. An appropriate size recipient tunnel is created retrograde to the lesion site. The angle of the tunnel’s articular surface is measured and the appropriate size and angle bone cylinder is harvested from a donor site above the sulcus terminalis. The cylinder is then exchanged from one donor harvester to another, enabling the bone cylinder to be implanted into the recipient tunnel leading with the articular surface. The bone cylinder is gently extruded into the recipient tunnel slightly countersunk to the articular surface. A bioabsorbable interference screw is then used to achieve final flush seating and backup to the press-fit fixation.

The size-specific system includes two single use OATS donor harvesters, angled collared pins in 10°, 20°, and 30° angles, a bone core exchange tube, a guide pin, size-specific cannulated drills, and a core extruder for controlled push-in core insertion.

All of the system components are provided sterile, packaged in a rigid thermo-formed tray, nestled in individual compartments.

Retrograde OATS Set, 8 mm | AR-1982-08S |
Retrograde OATS Set, 10 mm | AR-1982-10S |
OATS Adapteur Drill Guide Marking Hook | AR-1883 |
TIBIAL AND FEMORAL OSTEOTOMY SYSTEM

The Opening Wedge Osteotomy System was developed for the treatment of pain and/or instability associated with lower extremity malalignment. The utilization of unique plates, in conjunction with an opening wedge osteotomy, provides the surgeon with a safe, reliable, reproducible technique for tibial or femoral osteotomies.

The technique preserves normal anatomy of the lateral side of the knee while minimizing morbidity associated with closing wedge osteotomies.

Opening Wedge can be performed concomitantly with ACL reconstruction and osteochondral and meniscal transplants.

Opening Wedge Osteotomy System Set (AR-13305S) includes:

- Osteotomy Wedge and Osteotome Handle AR-13300 and AR-13301
- Osteotome Blades, 10 mm, 25 mm and 35 mm AR-13302-10, 25 and 35
- Parallel Guide Sleeve Body AR-13304-1
- Parallel Guide Sleeve, qty. 2 AR-13304-2
- Osteotomy Guide Assembly AR-13305
- Osteotomy Cutting Guide (a) AR-13306-01
- Osteotomy Cutting Guide Pin (a) AR-13306-02
- Alignment Rod AR-13308
- Femoral Osteotomy Retractor AR-13309
- Radiolucent Retractor (c) AR-13310
- Universal Handle Extractor AR-13314
- Cutting Guide for HTO AR-13315
- Bone Graft Tamp AR-13317
- Application Bar for HTO Plates AR-13318
- Drill Guide for HTO AR-13320
- Drill Guide for HTO Titanium Plates AR-13321
- Bending Irons for HTO Plates, qty. 2 AR-13322
- Depth Gauge for Osteotome Jack AR-13323
- Osteotome Jack, 35 mm (b) AR-13323-35
- Osteotome Jack w/Screwdriver, 35 mm AR-13323-35S
- Wedge Trial for HTO AR-13324
- A/P Sloped Osteotomy Wedge Trial, small and large AR-13325S and AR-13325L
- Screwdriver, 3.5 mm hex AR-13326
- Screwdriver, 3.5 mm hex AR-13326-90
- Locking Guide for HTO Titanium Plates AR-13327
- Depth Gauge, large AR-13327
- Opening Wedge Osteotomy System Instrumentation Case AR-13330
- Storage Case for HTO Plates AR-13307P

Accessories:

- Osteotomy Guide Pins, 2.4 mm, qty. 6, “breakaway” AR-13303-2.4
- Osteotomy Guide Pins, 3.0 mm, qty. 6 AR-13303-3.0
- Patellar Tendon Retractor and Medial Retractor for HTO AR-13312 and AR-13313
- Drill for HTO Titanium Screws AR-13319
- Osteotome Jack, 25 mm AR-13325-25
FEMORAL AND TIBIAL PLATES

FEMORAL AND TIBIAL OSTEOTOMY SYSTEM

The Femoral Opening Wedge Osteotomy Plate maintains an opening wedge osteotomy correction of the distal femur for patients who have malalignment of the lower extremity. The utilization of these unique plates, when used with the procedure-specific instrumentation from Arthrex, provides the surgeon with a safe, reliable and reproducible technique for distal femoral osteotomies.

The Tibial Opening Wedge Osteotomy Plate maintains an opening wedge osteotomy correction of the proximal or distal tibia for patients who have malalignment of the lower extremity. The utilization of these unique plates, when used with the procedure-specific instrumentation from Arthrex, provides the surgeon with a safe, reliable and reproducible technique for proximal or distal tibial osteotomies.

Femoral Opening Wedge Osteotomy Plate, 5 mm  AR-13100-05.0
Femoral Opening Wedge Osteotomy Plate, 7.5 mm  AR-13100-07.5
Femoral Opening Wedge Osteotomy Plate, 9 mm  AR-13100-09.0
Femoral Opening Wedge Osteotomy Plate, 10 mm  AR-13100-10.0
Femoral Opening Wedge Osteotomy Plate, 11 mm  AR-13100-11.0
Femoral Opening Wedge Osteotomy Plate, 12.5 mm  AR-13100-12.5
Femoral Opening Wedge Osteotomy Plate, 15 mm  AR-13100-15.0
Femoral Opening Wedge Osteotomy Plate, 17.5 mm  AR-13100-17.5

Tibial Opening Wedge Osteotomy Plate, 3 mm  AR-13200-03.0
Tibial Opening Wedge Osteotomy Plate, 5 mm  AR-13200-05.0
Tibial Opening Wedge Osteotomy Plate, 6 mm  AR-13200-06.0
Tibial Opening Wedge Osteotomy Plate, 7.5 mm  AR-13200-07.5
Tibial Opening Wedge Osteotomy Plate, 9 mm  AR-13200-09.0
Tibial Opening Wedge Osteotomy Plate, 10 mm  AR-13200-10.0
Tibial Opening Wedge Osteotomy Plate, 11 mm  AR-13200-11.0
Tibial Opening Wedge Osteotomy Plate, 12.5 mm  AR-13200-12.5
Tibial Opening Wedge Osteotomy Plate, 13.5 mm  AR-13200-13.5
Tibial Opening Wedge Osteotomy Plate, 15 mm  AR-13200-15.0
Tibial Opening Wedge Osteotomy Plate, 16 mm  AR-13200-16.0
Tibial Opening Wedge Osteotomy Plate, 17.5 mm  AR-13200-17.5

Distal Tibial Opening Wedge Osteotomy Plate, 5 mm  AR-13200D-05
Distal Tibial Opening Wedge Osteotomy Plate, 6 mm  AR-13200D-06
Distal Tibial Opening Wedge Osteotomy Plate, 7 mm  AR-13200D-07
Distal Tibial Opening Wedge Osteotomy Plate, 8 mm  AR-13200D-08
Distal Tibial Opening Wedge Osteotomy Plate, 9 mm  AR-13200D-09
Distal Tibial Opening Wedge Osteotomy Plate, 10 mm AR-13200D-10

Tibial A/P Sloped Osteotomy Plate, 5 mm  AR-13200PA-05.0
Tibial A/P Sloped Osteotomy Plate, 6 mm  AR-13200PA-06.0
Tibial A/P Sloped Osteotomy Plate, 7.5 mm  AR-13200PA-07.5
Tibial A/P Sloped Osteotomy Plate, 9 mm  AR-13200PA-09.0
Tibial A/P Sloped Osteotomy Plate, 10 mm  AR-13200PA-10.0
Tibial A/P Sloped Osteotomy Plate, 11 mm  AR-13200PA-11.0
Tibial A/P Sloped Osteotomy Plate, 12.5 mm  AR-13200PA-12.5
Tibial A/P Sloped Osteotomy Plate, 13.5 mm  AR-13200PA-13.5
Tibial A/P Sloped Osteotomy Plate, 15 mm  AR-13200PA-15.0
Tibial A/P Sloped Osteotomy Plate, 16 mm  AR-13200PA-16.0
Tibial A/P Sloped Osteotomy Plate, 17.5 mm  AR-13200PA-17.5

Osteotomy Guide Pin, 2.4 mm, qty. 6, “breakaway”  AR-13303-2.4
Osteotomy Guide Pin, 3 mm, qty. 6  AR-13303-3.0
Titanium Tibial Osteotomy Plates & Screw System

The new titanium Tibial Opening Wedge Osteotomy Plates and Screws, designed to work in conjunction with the standard Opening Wedge Osteotomy instrumentation, now enables the surgeon to lock presterilized 6.5 mm cancellous or 4.5 mm cortical screws within the plate itself. This creates an extremely strong construct with the plate, and within the bone, without sacrificing the plate’s low-profile design. Available in straight or sloped plate designs to address changes in posterior tibial slopes, the presterilized titanium opening wedge plate is light but very strong. It allows the surgeon to angle each screw for optimum screw placement within the bone. The osteotomy plate is available in standard 5.0 mm to 17.5 mm correction sizes.

<table>
<thead>
<tr>
<th>Plate Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>Tibial A/P Sloped Osteotomy Plate, 5.0 mm, titanium</td>
<td>AR-13200ST-05.0</td>
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<td>HTO Plate Screw, 6.5 mm x 35 mm, cancellous, titanium</td>
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<td>HTO Plate Screw, 4.5 mm x 58 mm, cortical, titanium</td>
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<tr>
<td>HTO Plate Screw, 4.5 mm x 60 mm, cortical, titanium</td>
<td>AR-13360T</td>
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</tbody>
</table>

Accessories:

- Drill for HTO Titanium Screws AR-13339
- Drill Guide for HTO Titanium Plates AR-13331
- A/P Sloped Osteotomy trial, large AR-13325L
- A/P Sloped Osteotomy trial, small AR-13325S
- Screwdriver, 3.5 mm hex AR-13326
- Screwdriver, 90°, 3.5 mm hex AR-1332690
- Locking Guide for HTO Titanium Plates AR-13327
- Depth Gauge, large AR-1417
TITANIUM FEMORAL PLATES & SCREWS

Designed to work in conjunction with the standard Opening Wedge Osteotomy instrumentation, the titanium femoral osteotomy plates now enable the surgeon to lock 6.5 mm cancellous or 4.5 mm cortical screws within the plate itself. This creates an extremely strong construct with the plate and bone without sacrificing the plate’s low profile design. It allows the surgeon to angle each screw for optimum screw placement within the bone. The osteotomy plate is available in standard 5.0 mm to 17.5 mm correction sizes.

Femoral Osteotomy Plate, 5.0 mm, titanium  AR-13100T-05.0
Femoral Osteotomy Plate, 7.5 mm, titanium  AR-13100T-07.5
Femoral Osteotomy Plate, 9 mm, titanium  AR-13100T-09
Femoral Osteotomy Plate, 10 mm, titanium  AR-13100T-10.0
Femoral Osteotomy Plate, 11 mm, titanium  AR-13100T-11.0
Femoral Osteotomy Plate, 12.5 mm, titanium  AR-13100T-12.5
Femoral Osteotomy Plate, 15 mm, titanium  AR-13100T-15.0
Femoral Osteotomy Plate, 17.5 mm, titanium  AR-13100T-17.5

OSFERION

OSferion is an osteoconductive bone graft substitute and bone void filler consisting of 100% Beta tri-calcium phosphate (ß-TCP). OSferion’s micro and macro porous structure allows it to be resorbed and replaced by bone during the healing process when used in conjunction with rigid fixation devices.

OSferion wedges are intended to be used in conjunction with the distal femoral and high tibial opening wedge osteotomy plates and screws to promote healing and provide added rigidity to the repair.

OSferion Osteotomy Wedge, 7 mm x 30 mm  AR-13370-1
OSferion Osteotomy Wedge, 10 mm x 30 mm  AR-13370-2
OSferion Osteotomy Wedge, 12 mm x 35 mm  AR-13370-3
OSferion Osteotomy Wedge, 15 mm x 35 mm  AR-13370-4

BONE GRAFT HARVESTER

The single use Bone Graft Harvester set consists of an 6, 8 or 10 mm diameter bone graft harvester, an impaction bar and a twist knob. It is ideal for harvesting autograft bone from the anterior/superior or posterior/superior iliac crest. The Bone Graft Harvester set is an excellent option for any bone grafting procedure.

The 8 mm harvester requires only a small 1 cm incision for harvesting iliac crest bone and leaves a much smaller donor site (when compared to standard iliac crest harvesting techniques) which may reduce donor site morbidity. It quickly and efficiently harvests multiple 8 mm diameter bone dowels up to 20 mm in length from the same minimally invasive site by angling the harvester in medial and lateral orientations. Manufactured with a spiked collared pin to avoid skiving off the donor site during impaction, the lightweight harvester is well-balanced with a sturdy stainless steel cutting tip.

Bone Graft Harvester, 6 mm  AR-1981-06H
Bone Graft Harvester, 8 mm  AR-1981-08H
Bone Graft Harvester, 10 mm  AR-1981-10H
**MENISCAL REPAIR**

**MENISCAL DARTSTICK™ SYSTEM**

The DartStick offers an improved manual insertion technique for the Meniscal Dart. The disposable DartStick inserter securely holds each Dart for simplified insertion through the reusable Joystick Sheath or DartStick disposable sheaths. The small 2.38 mm insertion sheaths, in straight or curved-up styles, facilitate safe, accurate and multiple Dart placement from above or below the meniscus even in the most confined joint spaces.

The headless, reverse-barbed 1.3 mm diameter Dart allows safe countersunk implantation within the meniscus to protect femoral hyaline cartilage from contact damage caused by headed implants or all-inside suture knots. The primarily amorphous PLDLA copolymer safely degrades within 36 weeks.

Meniscal DartStick, 10 mm, 12 mm and 14 mm (a)   AR-3007B-10, 12 and 14
Meniscal Dart Sheath w/Cannula, straight   AR-3007
Meniscal Dart Sheath w/Cannula, 15° up curve   AR-3007-15
Meniscal Dart Measuring Probe, qty. 5   AR-4008

**DISPOSABLE MENISCAL VIPER™**

The sterile Meniscal Viper Repair Kit provides a convenient and effective method of passing suture to repair posterior horn meniscal tears. Each sterile kit contains a Meniscal Viper (c) preloaded with 2-0 FiberWire and a small knot pusher. The all-inside suturing technique offers the surgeon the ability to place multiple vertical stitches without needle passage through the capsule.

The Small Knot Pusher (b) can be used to past point the knot beyond the rim of the meniscus.

The Meniscal DartStick, in conjunction with the Meniscal Viper, provides the ideal hybrid all-inside meniscal system.

Meniscal Viper Repair Kit, disposable, small   AR-13920DS
Meniscal Viper Repair Kit, disposable, medium   AR-13930DS

**Accessories:**

Meniscal Viper Sizing Probe   AR-13920P
Meniscal Repair Rasp   AR-4130
Meniscal Vascular Punch   AR-4001
2-0 Suture Cutter, 15° up curve   AR-11791
Shoehorn Cannula, 6 mm I.D. x 9 cm, qty. 5   AR-6565

**MENISCAL RESECTION AND REPAIR SYSTEM**

The Meniscal Resection and Repair System Set contains both the small and medium tip Meniscal Viper along with the Small Knot Pusher and the new 2-0 Suture Cutter for FiberWire. In addition to the Viper System, the set also contains many of the most popular meniscal resection instruments from the Series I Arthroscopic Meniscectomy Hand Instrument Set (AR-2180S), including eight Punches, two Scissors and two Graspers.

This set provides the surgeon with a complete armamentarium of meniscal instrumentation for both resection and all-inside suture repair.

Meniscal Resection and Repair System Set w/case   AR-4006S
PROTECTOR™ - INSIDE/OUT SUTURE REPAIR

The Protector Meniscus Suturing Set provides a safe, versatile system to perform either inside/out or all-inside meniscus suturing. The malleable, single use curved cannula and integrated plastic handle has a Nitinol needle and needle pusher for convenience. The Cannula Bending Tool facilitates simple custom bending to accommodate every anatomical variation. The unique Nitinol memory suture needle remains straight after exiting the curved cannula for greater control of needle placement to avoid neurovascular structures.

The Needle Catcher facilitates two options to guide needles safely away from neurovascular structures. The concave, curved handle may be inserted through a small arthrotomy as a retractor and needle deflector when a classic mini-open inside/out procedure is performed. The Needle Catcher tube is inserted through a cannula placed in a posterior portal to catch needles intraarticularly within the posterior recess after exiting the meniscus, when performing all-inside meniscus suturing procedures.

Protector Meniscus Suturing Set (AR-4060S) includes:
Malleable Curved Cannula w/Handle
Nitinol Suture Needle w/Wire Loop End
Adjustable Needle Holder

Accessories:
- Needle Catcher (a)    AR-6660
- Needle Catcher Backflow Cap, qty. 5    AR-4063
- Cannula Bending Tool    AR-6650
- 2-0 FiberWire (recommended suture)    AR-7221

2-0 FiberWire Meniscus Repair Needles, qty. 2   AR-7223
2-0 FiberWire Meniscus Repair Needles, small, qty. 2   AR-7223SM

MENISCAL ACCESSORIES

2-0 FIBERWIRE® MENISCUS REPAIR NEEDLES

The 2-0 FiberWire Meniscus Repair Needles are made of a standard length stainless steel with a 38 inch length of 2-0 FiberWire swedged onto the back end of each needle. This allows the surgeon to perform a standard inside/out meniscus repair with all the benefits of FiberWire's superior strength, feel, abrasion resistance, smooth tie ability and lower knot profile. FiberWire virtually eliminates suture breakage during knot tying and tensioning.

These sterile meniscus repair needles and suture may be used in conjunction with the Meniscal Repair Joystick System to position optimum vertical or horizontal mattress sutures on superior or inferior meniscal surfaces. The meniscal needles also work with other meniscal repair systems.

2-0 FiberWire Meniscus Repair Needles, qty. 2   AR-7223
2-0 FiberWire Meniscus Repair Needles, small, qty. 2   AR-7223SM

MENISCAL REPAIR ACCESSORIES

The malleable Dart Measuring Probe (a) measures the width of the meniscus. The angled tip of the Meniscus Repair Rasp (b) is ideally shaped to access inside the meniscal tear for debridement prior to the repair. The Shoehorn Cannula (c) facilitates insertion of the Meniscus Viper and alleviates knot hang-up in the fat pad during suture knot advancement.

Meniscal Dart Measuring Probe (a)    AR-4008
Meniscus Repair Rasp (b)    AR-4130
Shoehorn Cannula (c)    AR-6565
I am interested in the following knee products and/or procedures:

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