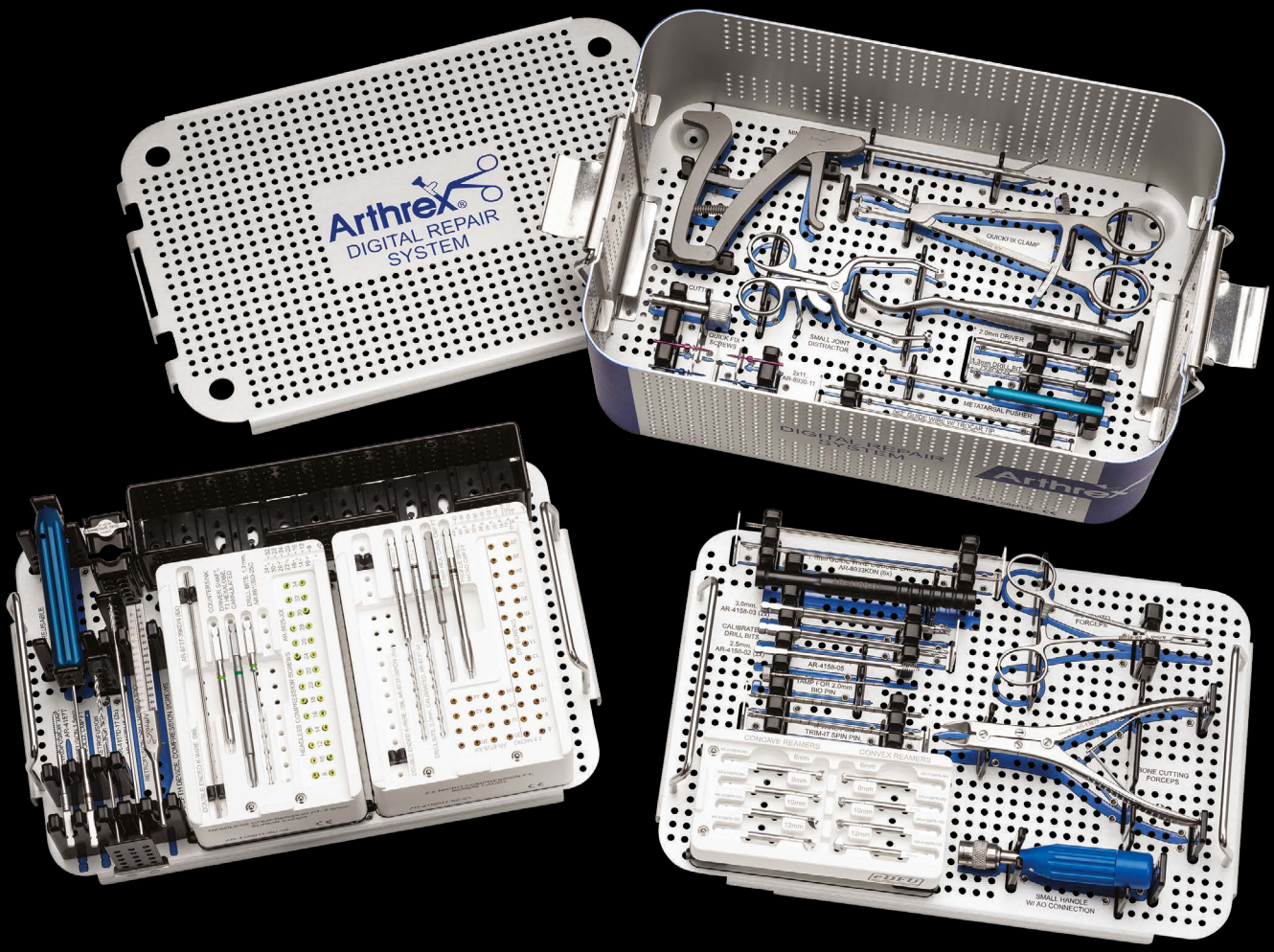
Digital Repair System



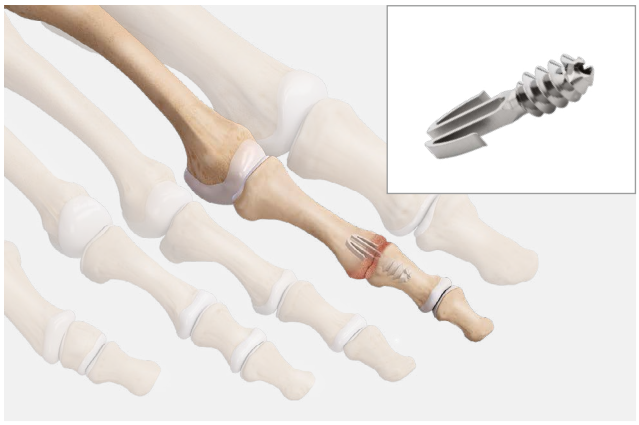
Arthrex®

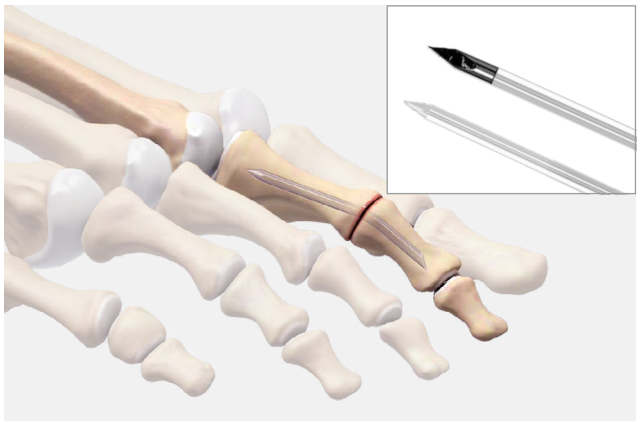
Digital Repair System

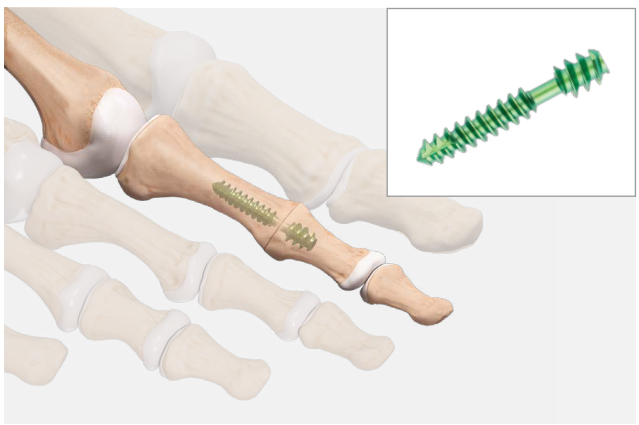
The Digital Repair System (DRS) houses all instrumentation for the wide array of Arthrex hammertoe solutions. Now, all hammertoe instrumentation is held in one comprehensive set.

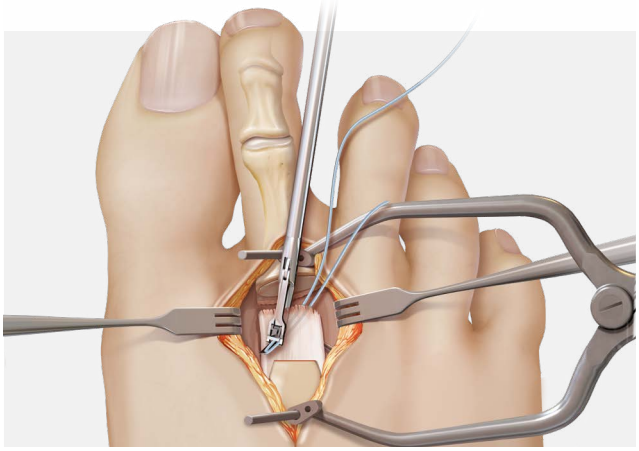
This set further provides several fixation options by including two individual caddies of Micro Compression FT™ screws and Headless Compression PT screws. Also included are the new phalangeal reamers, which work much like the MTP reamers to create a cup-and-cone shape at the fusion site.

- DynaNite® PIP Hammertoe Implant
- Trim-It™ Pins
- RetroFusion™ PIP Joint Arthrodesis Implant
- Micro Compression FT Screws
- Headless Compression PT Screws
- CPR™ Complete Plantar Plate Repair Set

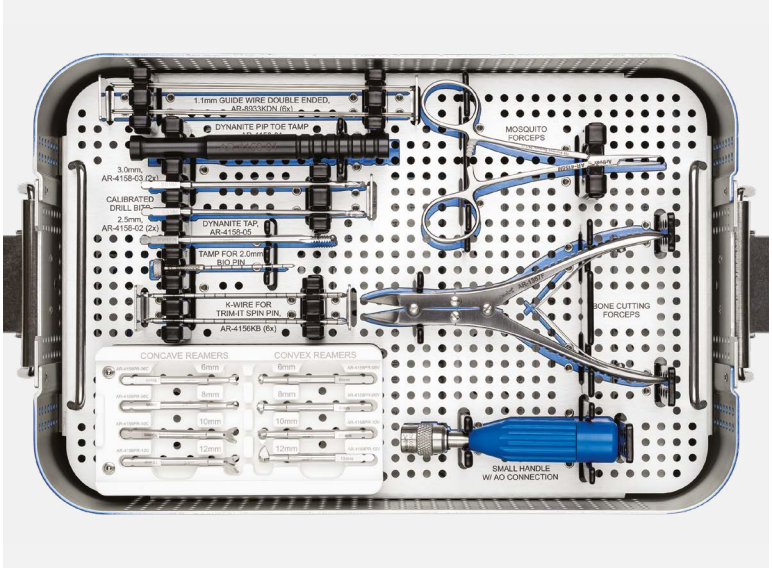






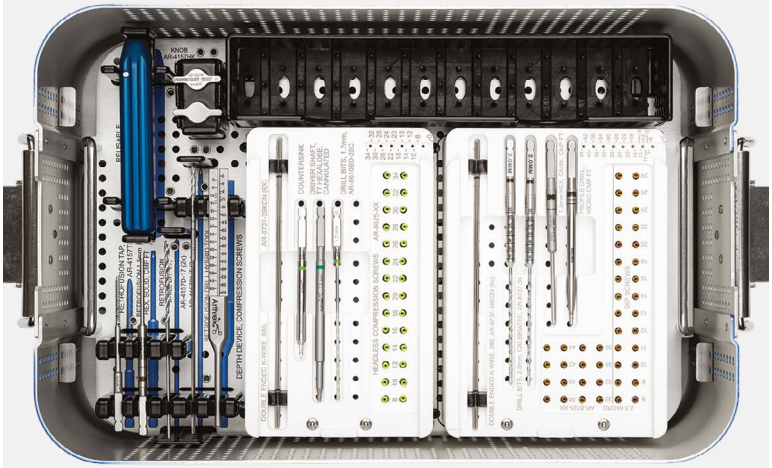


Digital Repair System Instrument Set Layout



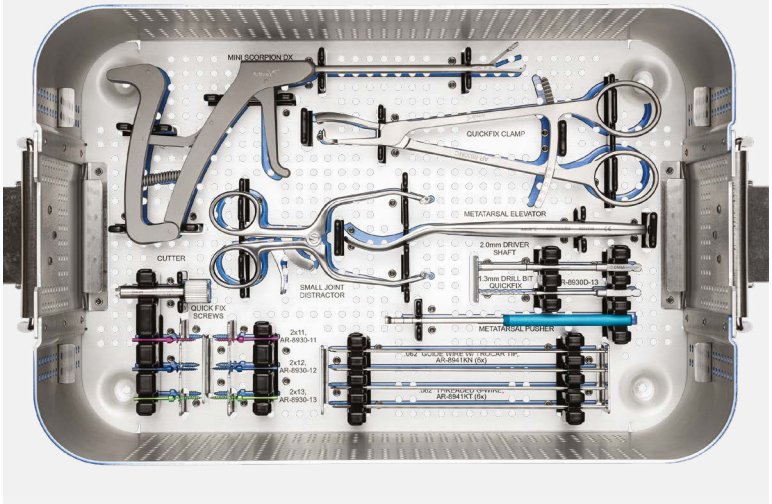
Top Layer

Item Number	Product Description
AR-**8933KDN**	Nitinol Guidewire, double-ended, 1.1 mm
AR-**4158-01**	DynaNite® PIP Toe Tamp
AR-**4158-02**	Drill Bit, Nitinol calibrated, 2.5 mm
AR-**4158-03**	Drill Bit, Nitinol calibrated, 3.0 mm
AR-**4158-05**	Tap for DynaNite PIP
AR-**4152TB**	Tamp for 2.0 mm Bio-Pin
AR-**4156KB**	K-Wire for Trim-It Spin Pin™
AR-**4158PR-XXC**	Phalangeal Reamers, concave, 6 mm, 8 mm, 10 mm, 12 mm
AR-**4158PR-XXV**	Phalangeal Reamers, convex
AR-**4156M**	Mosquito Forceps
AR-**1367F**	Bone Cutting Forceps
AR-**2001AOT**	Handle, small, AO



Middle Layer

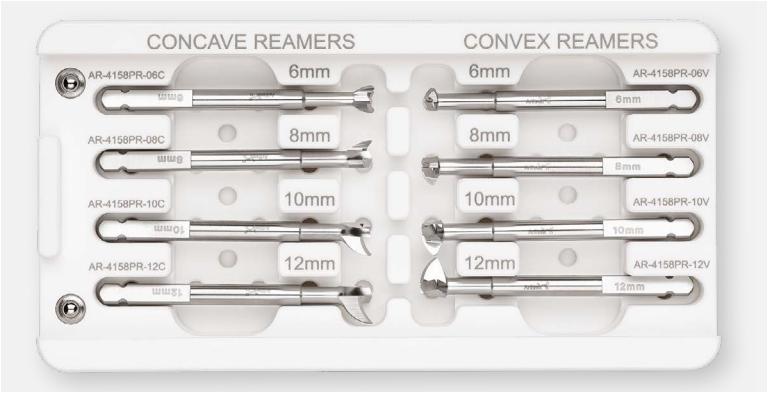
Item Number	Product Description
AR-**8725-XXH**	2.5 Micro Compression FT™ Screws, 8 mm-14 mm
AR-**8625-XX**	Headless Compression PT Screws, 8 mm-14 mm
AR-**4157H**	RetroFusion™ Handle Assembly, reusable
AR-**4157T**	RetroFusion Tap, 3 mm
AR-**8737-45**	RetroFusion Hex Driver, solid, 1.5 mm
AR-**4157D-17**	RetroFusion Drill Bit, 1.7 mm
AR-**4157DHT**	RetroFusion Drill Hybrid Tool
AR-**8737-51**	Depth Device, Compression FT screws
AR-**4157HK**	Spare Knob for RetroFusion Handle



Bottom Layer

Item Number	Product Description
AR-**8999**	Mini Scorpion™ DX Suture Passer
AR-**8930MC**	QuickFix™ Clamp
AR-**8930M**	McGlamry Metatarsal Elevator, 11 mm
AR-**8690SJD**	Small Joint Distractor
AR-**8930R**	Cutter, QuickFix screw, 2 mm
AR-**8930D**	Driver, for QuickFix screws, 2 mm
AR-**8930D-13**	Drill Bit for 2.0 QuickFix Screw, 1.3 mm
AR-**8690P**	Metatarsal Pusher
AR-**8941KN**	Nitinol Guidewire With Trocar Tip, 1.6 mm
AR-**8941KT**	Guidewire w/ Trocar Tip, threaded, .062 in
AR-**8930-11**	QuickFix Screws, 2 mm × 11 mm
AR-**8930-12**	QuickFix Screws, 2 mm × 12 mm
AR-**8930-13**	QuickFix Screws, 2 mm × 13 mm

Phalangeal Reamers



The phalangeal reamers are offered in sizes 6 mm, 8 mm, 10 mm, and 12 mm and work just like the first MTP reamers to create a cup-and-cone shape at the fusion site. These are now three-prong reamers to make insertion into the joint space easier. All of these reamers are used over a 1.1 mm K-wire.

The phalangeal reamers can also be used in the hand. The cup-and-cone shape allows for straight or flexed fusions of the DIP and PIP joints.

Phalangeal Reamer Caddy (AR-**4158HTC-01**)

Product Description	Item Number
Phalangeal Reamer, concave, 6 mm	AR-**4158PR-06C**
Phalangeal Reamer, convex, 6 mm	AR-**4158PR-06V**
Phalangeal Reamer, concave, 8 mm	AR-**4158PR-08C**
Phalangeal Reamer, convex, 8 mm	AR-**4158PR-08V**
Phalangeal Reamer, concave, 10 mm	AR-**4158PR-10C**
Phalangeal Reamer, convex, 10 mm	AR-**4158PR-10V**
Phalangeal Reamer, concave, 12 mm	AR-**4158PR-12C**
Phalangeal Reamer, convex, 12 mm	AR-**4158PR-12V**

Nitinol Guidewires

The nitinol guidewires are a simple, but unique advance over standard stainless steel guidewires. These smaller wires can easily bend when used with other instrumentation and will return to their straight shape throughout the entirety of a procedure.

Double Trocar-Tipped

.86 mm

1.1 mm

1.1 mm × 150 mm

1.6 mm × 150 mm

2 mm × 150 mm

1.6 mm × 235 mm

2 mm × 235 mm

2.35 mm × 235 mm

Trocar-Tipped

.86 mm

1.1 mm

1.1 mm × 150 mm

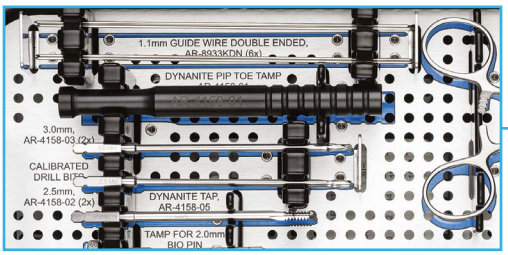
1.6 mm × 150 mm

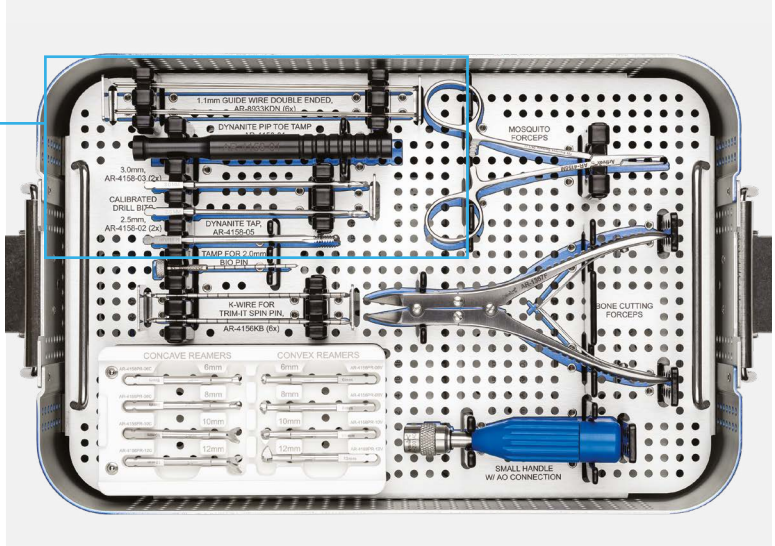
1.6 mm × 235 mm

2 mm × 235 mm

2.35 mm × 235 mm

DynaNite® PIP Hammertoe Implant





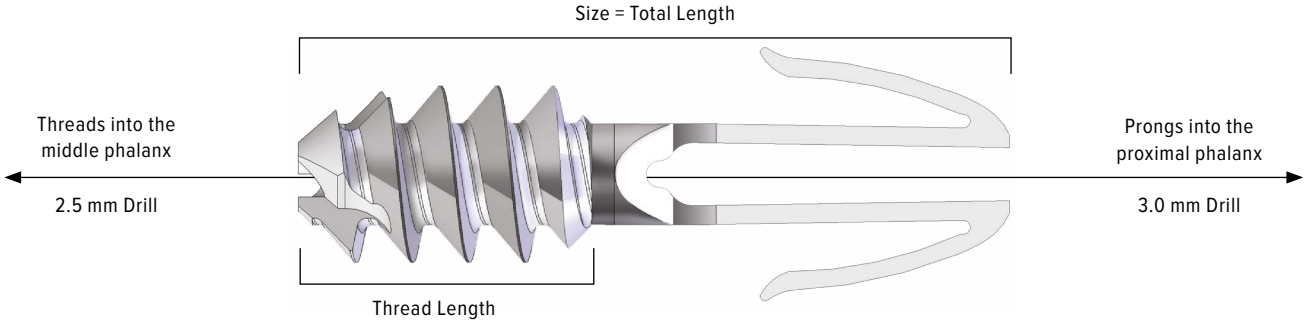
Top Layer Instrumentation

Guidewire, double-ended, 1.1 mm
DynaNite PIP Toe Tamp
Drill, 3 mm
Drill, 2.5 mm
DynaNite Tap
Mosquito Forceps

The PIP DynaNite hammertoe implant is the only threaded, cannulated nitinol implant on the market. The implant barbs are extended by inserting a K-wire; cannulation allows for surgeons to cross the MTP joint with the K-wire if desired. Implants are offered in 12 mm, 14 mm, and 16 mm sizes (lengths and widths increase proportionally with straight and bent sizes).

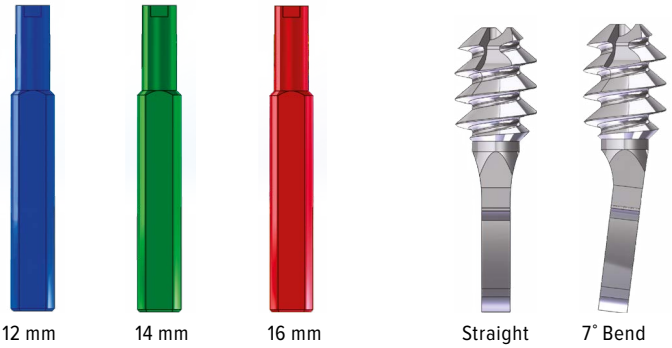
Cannulation allows for precision of drilling and insertion of the implant. A 2.5 mm drill is used over the K-wire into the middle phalanx, where the threaded portion of the implant is then inserted.

A 3.0 mm drill is used over the same K-wire in the proximal phalanx. The prongs are inserted into the proximal phalanx with the assistance of a hemostat if necessary. The K-wire is further pushed through the implant to extend the prongs, and provides surgeons the option of crossing the MTP joint. The material properties of nitinol allow the prongs of the implant to engage into the proximal phalanx.

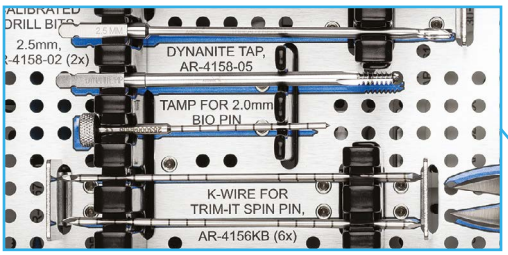


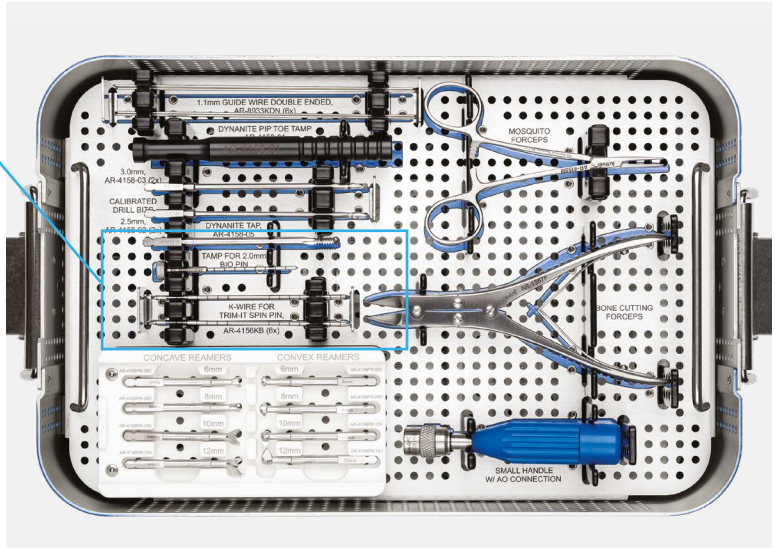
Implant Only

Item Number	Description
AR-**4158P-12S**	Straight, 12 mm
AR-**4158P-14S**	Straight, 14 mm
AR-**4158P-16S**	Straight, 16 mm
AR-**4158P-12B**	Bent, 12 mm
AR-**4158P-14B**	Bent, 14 mm
AR-**4158P-16B**	Bent, 16 mm



TRIM-IT™ Pins





Top Layer Instrumentation

Tamp for 2.0 mm Bio-Pin
K-Wire for Trim-It Spin Pin™

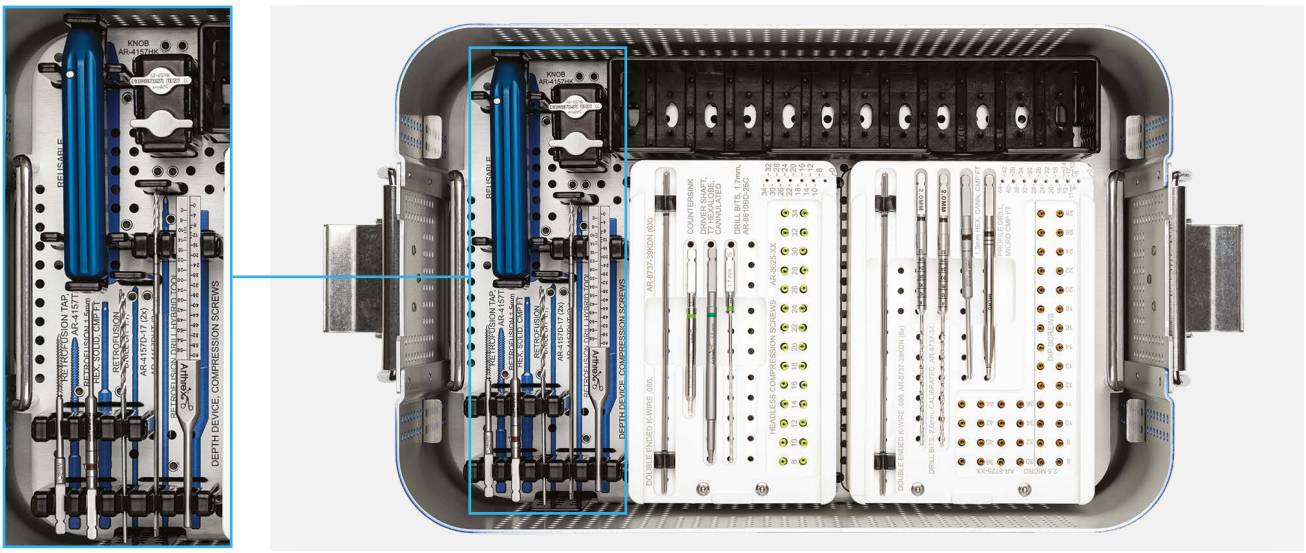
TRIM-IT Drill Pin® Advantages:

- Eliminates pin protrusion and removal for patient comfort
- Enhanced PLLA for shear strength
- Inserts quickly with a standard pin driver
- Radiolucent for accurate healing assessment
- Complete sterile kit for convenience

Bioabsorbable Advantages:

- Radiolucency
- No need for removal
- Closer to the elastic modulus of bone

RetroFusion™ PIP Joint Arthrodesis Implant



Not just an ordinary headless implant, the RetroFusion implant is designed for PIP arthrodesis and provides compression and strength across the joint. The implant's proximal and distal threads are arranged in opposite directions to pull the joint together when the implant is inserted. The patent-pending technique and instrumentation allow for easy and reproducible insertion without having to leave the implant across the DIP joint. Because the implant provides compression of a hard-to-fuse joint, it can potentially lead to higher fusion rates and less postoperative swelling.

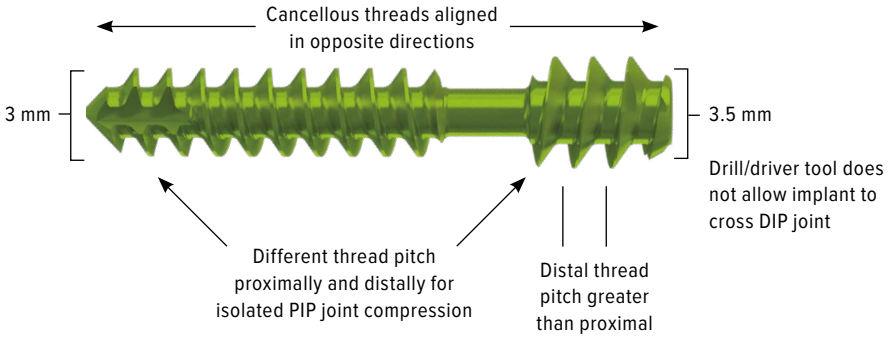
- Opposing threads on implant pull the joint together for maximum compression of the PIP joint
- Better fixation of the joint due to actual compression achieved
- Simple technique that also allows for flexed fusions without violation of the DIP joint

Middle Layer Instrumentation

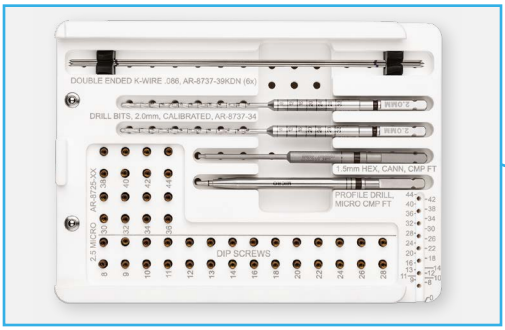
RetroFusion Handle
RetroFusion Tap
RetroFusion Hex Driver, solid, 1.5 mm
RetroFusion Drill Bit, 1.7 mm
RetroFusion Hybrid Tool

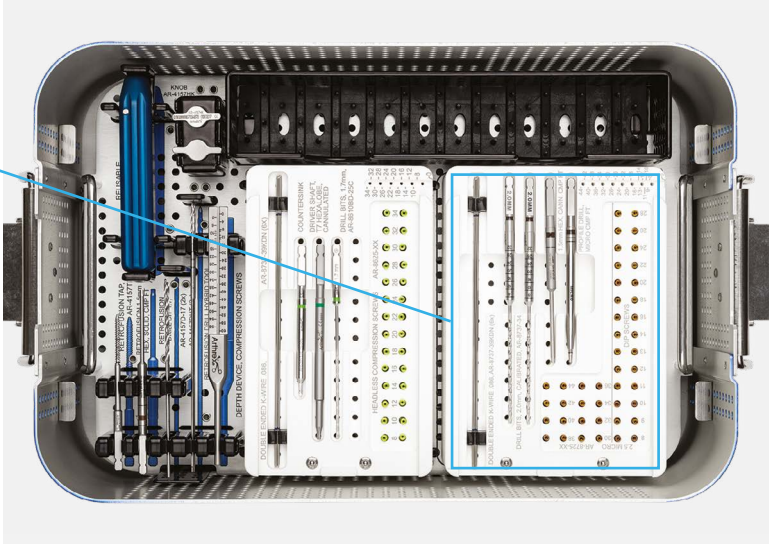
Implant Only

Item Number	Description
AR-**4157-20**	RetroFusion Implant, 20 mm
AR-**4157-24**	RetroFusion Implant, 24 mm



2.5 Micro Compression FT™ Screws





Middle Layer Instrumentation

Item Number	Description
2.5 Micro Compression FT Screw Caddy	
AR-**8725-08H**	Micro Compression FT Screw, 8 mm
AR-**8725-09H**	Micro Compression FT Screw, 9 mm
AR-**8725-10H**	Micro Compression FT Screw, 10 mm
AR-**8725-11H**	Micro Compression FT Screw, 11 mm
AR-**8725-12H**	Micro Compression FT Screw, 12 mm
AR-**8725-13H**	Micro Compression FT Screw, 13 mm
AR-**8725-14H**	Micro Compression FT Screw, 14 mm
AR-**8725-16H**	Micro Compression FT Screw, 16 mm
AR-**8725-18H**	Micro Compression FT Screw, 18 mm
AR-**8725-20H**	Micro Compression FT Screw, 20 mm
AR-**8725-22H**	Micro Compression FT Screw, 22 mm
AR-**8725-24H**	Micro Compression FT Screw, 24 mm
AR-**8725-26H**	Micro Compression FT Screw, 26 mm
AR-**8725-28H**	Micro Compression FT Screw, 28 mm
AR-**8725-30H**	Micro Compression FT Screw, 30 mm
AR-**8725-32H**	Micro Compression FT Screw, 32 mm
AR-**8725-34H**	Micro Compression FT Screw, 34 mm
AR-**8725-36H**	Micro Compression FT Screw, 36 mm
AR-**8725-38H**	Micro Compression FT Screw, 38 mm
AR-**8725-40H**	Micro Compression FT Screw, 40 mm
AR-**8725-42H**	Micro Compression FT Screw, 42 mm
AR-**8725-44H**	Micro Compression FT Screw, 44 mm

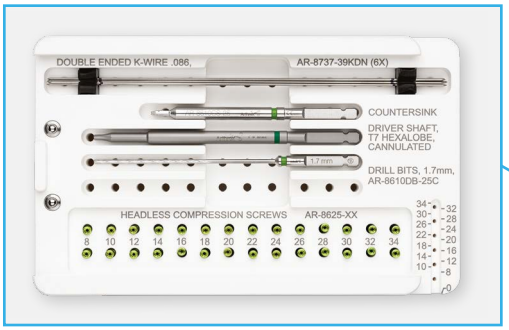
The Micro Compression FT screw caddy holds lengths 8 mm to 44 mm and houses the appropriate-sized drills, drivers, and guidewires.

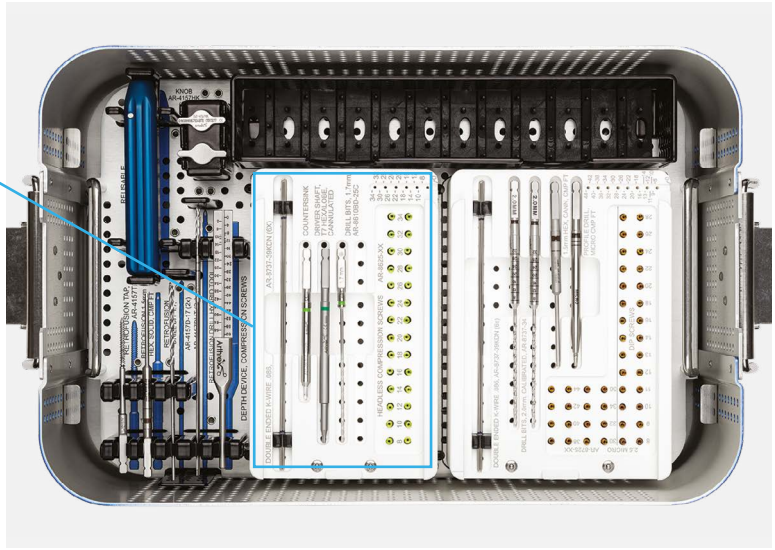
Item Number	Description
AR-**8737-46**	Profile Drill
AR-**8737-37**	Driver, cannulated, 1.5 mm hex
AR-**8737-34**	Drill Bit, straight, cannulated, 2 mm
AR-**8737-39KDN**	Nitinol Guidewire w/ Double Trocar Tip, 0.86 mm, laser-marked

Note that the AO handle is on the top layer and the depth gauge is on the middle layer outside of the caddy.

The 2.5 mm headless, fully threaded compression screw provides precise fixation across the PIP and/or DIP joint. The use of the 2.5 Micro Compression FT screws allows for a minimally invasive approach to hammertoe correction.

Headless Compression PT Screws





Middle Layer Instrumentation

Item Number	Description
Headless Compression PT Screw Caddy	
AR-**8625-08**	Headless Comp Screws, 2.5 mm × 8 mm
AR-**8625-10**	Headless Comp Screws, 2.5 mm × 10 mm
AR-**8625-12**	Headless Comp Screws, 2.5 mm × 12 mm
AR-**8625-14**	Headless Comp Screws, 2.5 mm × 14 mm
AR-**8625-16**	Headless Comp Screws, 2.5 mm × 16 mm
AR-**8625-18**	Headless Comp Screws, 2.5 mm × 18 mm
AR-**8625-20**	Headless Comp Screws, 2.5 mm × 20 mm
AR-**8625-22**	Headless Comp Screws, 2.5 mm × 22 mm
AR-**8625-24**	Headless Comp Screws, 2.5 mm × 24 mm
AR-**8625-26**	Headless Comp Screws, 2.5 mm × 26 mm
AR-**8625-28**	Headless Comp Screws, 2.5 mm × 28 mm
AR-**8625-30**	Headless Comp Screws, 2.5 mm × 30 mm
AR-**8625-32**	Headless Comp Screws, 2.5 mm × 32 mm
AR-**8625-34**	Headless Comp Screws, 2.5 mm × 34 mm

The Headless Compression PT screw caddy holds lengths 8 mm to 44 mm and houses the appropriate-sized drills, drivers, and guidewires.

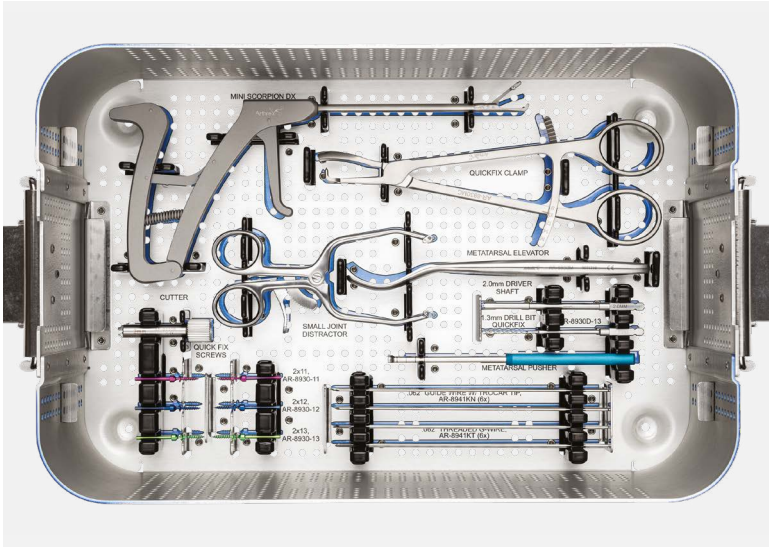
Item Number	Description
AR-**8610BD-25C**	Drill Bit, cannulated, 1.7 mm
AR-**8610D-25**	Drive Shaft, T7 hexalobe, cannulated
AR-**8610CS-25**	Countersink
AR-**8737-39KDN**	Nitinol Guidewire w/ Double Trocar Tip, 0.86 mm, laser-marked

Note that the AO handle is on the top layer and the depth gauge is on the middle layer outside of the caddy.

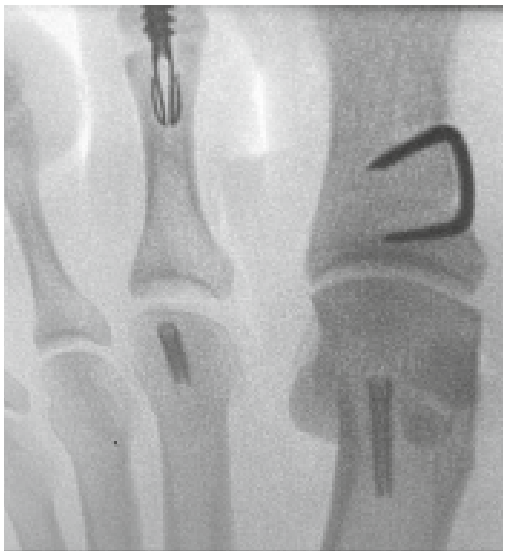
CPR™ Complete Plantar Plate Repair Set

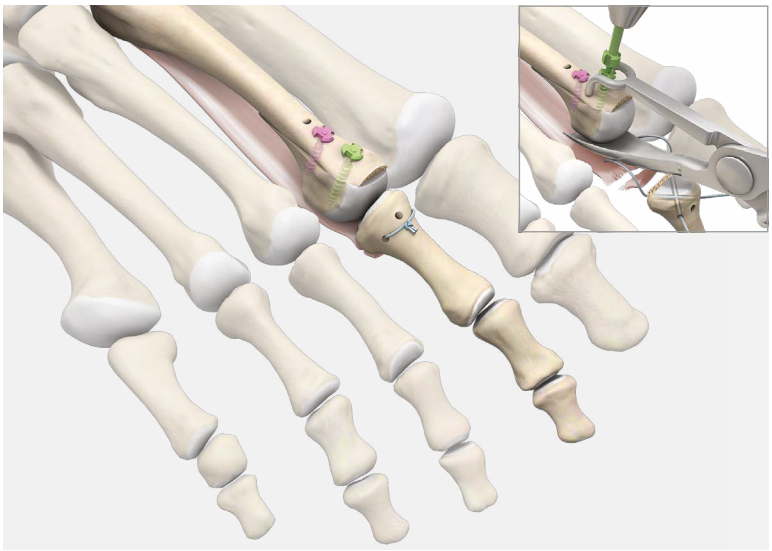
Bottom Layer Instrumentation

Mini Scorpion™ DX Suture Passer
QuickFix™ Clamp
McGlamry Metatarsal Elevator, 11 mm
Small Joint Distractor
Cutter, QuickFix screw, 2 mm
Driver, for QuickFix screws, 2 mm
Drill Bit, 1.3 mm
Metatarsal Pusher
Guidewire w/ Trocar Tip, .062 in
Guidewire, threaded, .062 in
QuickFix Screws, 2 mm × 11 mm
QuickFix Screws, 2 mm × 12 mm
QuickFix Screws, 2 mm × 13 mm



Now, surgeons have a variety of fixation options available to them, outside of what is typically offered in the CPR kit. Compression FT screws or supplemental screws can be inserted as several screw options are available in the Digital Repair System.





Notes

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