Provide Value
Sterile kit packaging provides high quality, surgical grade instruments and implants making your OR more efficient. No hassle or expense from cleaning, storing, sterilizing, and maintaining typical reusable instrument trays. Back-to-back cases become easier. Instruments are in top condition with no missing parts.

Reduce Waste
Instead of using disposable plastic instruments once and discarding them in the trash, CrossRoads instruments are recovered through our EcoSMART program thereby helping your hospital cut medical waste. And surgeons appreciate the smooth action and solid “feel” of the surgical grade stainless steel and aluminum instruments provided in our sterile kits.

Save Money
We purchase your used CrossRoads instruments after surgery and this slashes your operating cost. As bundled payments become a reality, the EcoSMART Instrument Recovery Program helps your facility save money.

Savings of 7% - 15%
are common with EcoSMART Technology.

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**STRoPP™ Single Tunnel Repair of Plantar Plate**

**surgical technique**

**Step One**
When surgically disarticulated, profile a full exarticulating, Locate the mid-dorsal arch normally, an intramedullary canal size 4.5, 1.6mm K-wire loaded into kit. Re-enter the skin off the dorsal aspect of the shoe. Exteriorize the tissues. The posterior incision is week 2.3mm per incision to loca the base of the posterior phalanx and reflect the skin using the STRoPP Distractor. Retract the plantar plate completely. From the base of the proximal phalanx using a 1601-0000, and reflect if still harboring tissue. This allows the plantar plate to be fully mobilized and retracted with a biopsy. Using #16 0.92mm without a distractor, open the mid-dorsal aspect of the shoe. Re-enter the skin off the posterior phalanx. Once distracted, take a local incision to ensure the plantar plate from the base of the proximal phalanx.

**Step Two**
Stabilizing the plantar plate with a pick-up, create a horizontal mattress stitch through the posterior plate with the STRoPP Needle and needle driver. (If not), remove the STRoPP Distractor and reflect the posterior phalanx. Create the incision site on the base of the proximal phalanx with a 1.6mm pin.

**Step Three**
After surgical dissection, perform a Weil osteotomy, translate the metatarsal head proximally, and temporarily fixate it with a 1.6mm K-wire (included in kit). Resect 3mm off the dorsal shelf to better visualize the plantar plate. Place another 1.6mm K-wire (or 2.4mm pin included in kit) in the base of the proximal phalanx and distract the joint using the STRoPP Distractor.

**Step Four**
Roughen the plantar aspect of the base of the proximal phalanx with a bone rasp. Insert the STRoPP Dual Suture Passer through the bone tunnel. Pass one suture thread through each loop of the STRoPP Dual Suture Passer.

**Step Five**
The surgeon’s choice of non-absorbable size 0 suture is loaded onto the STRoPP Needle. The needle is supplied with a threader for convenience. The STRoPP Needle has two eyelets which allows through-the-skin stitches in a cinch stitch.

**Step Six**
Advance the STRoPP Tunnel Button down the sutures and insert into the bone tunnel using the attached handle.

**Step Seven**
Once the STRoPP Tunnel Button is flush to the bone surface and threaded with the two suture strands, remove the K-wire from the second metatarsal head.

**Step Eight**
Reposition the capital fragment as needed and fixate the Weil osteotomy with a 2.0mm Snap-Screw.

**Step Nine**
Pull the sutures tight and remove all slack to tension the plantar plate as needed. Tie off the sutures over the STRoPP Tunnel Button.

**Also Available**
The CrossTIE® System is available in either PEEK material or as a machined cortical allograft. Both styles feature a unique distal cross hole which allows the surgeon the option to “tie in” the implant thus aiding in reduction and compression of the joint surfaces.

Especially useful in revision cases, the CrossTIE® implant “tie in” feature minimizes pistoning of the implant due to enlargement of the intramedullary canal.

**Each kit contains the following items**

- STRoPP Implant Kit with Recoverable Instruments contains the instrumentation needed plus the pre-loaded Tunnel Button for obtaining a single tunnel repair of the plantar plate. The only additional items needed are the surgeon’s choice of non-resorbable suture and a Snap-Screw™ for obtaining the Weil osteotomy.

- Each kit contains the following items:
  - 1601-0000 STRoPP Kit #1 Implant and Instrument Kit for Repair of the Plantar Plate – Sterile Packaged
  - 1427-2011 Snap-Screw, 11mm x 2.0mm dia. Sterile Packaged
  - 1427-2012 Snap-Screw, 12mm x 2.0mm dia. Sterile Packaged
  - 1427-2013 Snap-Screw, 13mm x 2.0mm dia. Sterile Packaged
  - 1427-2014 Snap-Screw, 14mm x 2.0mm dia. Sterile Packaged
  - 1456-0026 Snap-Screw Driver – Sterile Packaged

- STRoPP Implant Kit with Recoverable Instruments contains the instrumentation needed plus the pre-loaded Tunnel Button for obtaining a single tunnel repair of the plantar plate. The only additional items needed are the surgeon’s choice of non-resorbable suture and a Snap-Screw™ for obtaining the Weil osteotomy.

- Ordering Information

- PEEK Tunnel Button Implant with Dual Suture Channels. Designed to fit 2.4MM Bone Tunnel

- Two 1.6mm K-wires for Distractor

- 2.4mm Pin Tunnel Button pre-loaded on Dual Suture Passer

- Needle Holder

- Needle Pre-loaded Onto Needle

- Threader

- Distractor

- Needle Holder
Step One
After surgical dissection, perform a Weil osteotomy, translate the metatarsal head proximally, and temporarily fixate it with a 1.6mm k-wire (included in kit). Resect 3mm off the dorsal shelf to better visualize the plantar plate. Place another 1.6mm k-wire (or 2.4mm pin included in kit) in the base of the proximal phalanx and distract the joint using the STRoPP Distractor.

Step Two
The surgeon’s choice of non-absorbable size 0 suture is loaded onto the STRoPP Needle. The needle is supplied with a threader for convenience. The STRoPP Needle has two eyelets which allow the surgeon to utilize a continuous stitch or a cinch stitch.

Step Three
Stabilizing the plantar plate with a pick-up, create a horizontal mattress stitch through the plantar plate with the STRoPP Needle and needle driver.

Step Four
Paraphase the plantar aspect of the base of the proximal phalanx with a chisel. Insert the STRoPP Dual Suture Passer through the bone tunnel. Pass one suture through each loop of the STRoPP Dual Suture Passer.

Step Five
Pull the STRoPP Dual Suture Passer through the bone tunnel. Continue pulling it up through the STRoPP Tunnel Button.

Step Six
Advance the STRoPP Tunnel Button down the sutures and insert into the bone tunnel using the attached handle.

Step Seven
Once the STRoPP Tunnel Button is flush to the bone surface and threaded with the two suture strands, remove the k-wire from the second metatarsal head.

Step Eight
Reposition the capital fragment as needed and fixate the Weil osteotomy with a 2.0mm Snap-Screw.

Step Nine
Pull the sutures tight and remove all slack to tension the plantar plate as needed. Tie off the sutures over the STRoPP Tunnel Button.

Step Ten
Roughen the plantar aspect of the base of the proximal phalanx with a bone rasp. Insert the STRoPP Dual Suture Passer through the bone tunnel. Pass one suture thread through each loop of the STRoPP Dual Suture Passer.

Step Eleven
Release the plantar plate completely from the base of the proximal phalanx using a #64 blade, and reflect it off the underlying flexor tendon. This allows the plantar plate to be fully mobilized and grasped with a pick-up.

Step Twelve
The way in which this repair is performed is surgeon’s discretion. The surgeon’s choice of non-absorbable thread sizes 0 or 2.0mm suture is used. The STxSIT Needle has two eyelets which allow the surgeon to use a continuous stitch or a cinch stitch.

Each kit contains the following items

- 1601-0000 STRoPP Kit #1 Implant and Instrument Kit for Repair of the Plantar Plate – Sterile Packaged
- 1427-2011 Snap-Screw, 11mm x 2.0mm dia. Sterile Packaged
- 1427-2012 Snap-Screw, 12mm x 2.0mm dia. Sterile Packaged
- 1427-2013 Snap-Screw, 13mm x 2.0mm dia. Sterile Packaged
- 1427-2014 Snap-Screw, 14mm x 2.0mm dia. Sterile Packaged
- 1404-0126 Snap-Screw Driver – Sterile Packaged

STxSIT Implant Kit with Recoverable Instruments contains the instrumentation needed plus the pre-loaded Tunnel Button for achieving a single tunnel repair of the plantar plate. The only additional items needed are the surgeon’s choice of non-resorbable suture and a Snap-Screw™ for completing the Weil osteotomy.

Also Available
The CrossTIE® System is available in either PEEK material or as a machined cortical allograft. Both feature a unique distal cross hole which allows the surgeon the option to “tie-in” the implant thus aiding in reduction and compression of the joint surfaces. Especially useful in revision cases, the CrossTIE® implant “tie-in” feature minimizes pistoning of the implant due to enlargement of the intramedullary canal.
Step One
After surgical dissection, perform a 3mm incision transverse to the metatarsal head and proximally and temporarily fixate it with a 1.6mm k-wire (included in kit).  Resect 3mm off the dorsal shelf to better visualize the plantar plate.  Place another 1.6mm k-wire (or 2.4mm pin included in kit) in the base of the proximal phalanx and distract the joint using the STRoPP Distractor.  Release the plantar plate completely from the base of the proximal phalanx using a #34 blade, and reflect it off the underlying flexor tendon.  This allows the plantar plate to be fully mobilized and grasped with a pick.

Step Two
The surgeon’s choice of non-absorbable size 0 suture is loaded onto the STRoPP Needle.  The needle is supplied with a threader for convenience.  The STRoPP Needle has two eyelets which allows the surgeon to utilize a continuous stitch or a cinch stitch.

Step Three
Stabilizing the plantar plate with a pick-up, create a horizontal mattress stitch through the plantar plate with the STRoPP Needle and needle driver.

Step Four
Pass the STRoPP Dual Suture Passer through the bone tunnel.  Pass one suture thread through each loop of the STRoPP Dual Suture Passer.

Step Five
Pull the STRoPP Dual Suture Passer through the bone tunnel.  Continue pulling it up through the STRoPP Tunnel Button.

Step Six
Advance the STRoPP Tunnel Button down the sutures and insert into the bone tunnel using the attached handle.

Step Seven
Once the STRoPP Tunnel Button is flush to the bone surface and threaded with the two suture strands, remove the k-wire from the second metatarsal head.

Step Eight
Reposition the capital fragment as needed and fixate the Weil osteotomy with a 2.0mm Snap-Screw.

Step Nine
Pull the sutures tight and remove all slack to tension the plantar plate as needed.  Tie off the sutures over the STRoPP Tunnel Button.

Each kit contains the following items:

- STRoPP Implant Kit with Recoverable Instruments
- PEEK Tunnel Button Implant with Dual Suture Channels
- Two 1.6mm K-wires for Distractor
- 2.4mm Pin
- Tunnel Button pre-loaded on Dual Suture Passer

** Cross-TIE® Implant “tie in” feature minimizes pistoning of the implant due to enlargement of the intramedullary canal. The Cross-TIE® System is available in either PEEK material or as a machined cortical allograft. Both styles feature a unique distal cross hole which allows the surgeon the option to “tie in” the implant thus aiding in reduction and compression of the joint surfaces. Also useful in revision cases, the Cross-TIE® implant “tie in” feature minimizes pistoning of the implant during engagement of the intramedullary canal.

Also Available

- 1601-0000        STRoPP Kit #1 Implant and Instrument Kit for Repair of the Plantar Plate – Sterile Packaged
- 1601-0001        STRoPP Kit #1 Implant and Instrument Kit for Repair of the Plantar Plate with Innomed Distractor – Sterile Packaged
- 1427-2011        Snap-Screw, 11mm x 2.0mm dia. – Sterile Packaged
- 1427-2012        Snap-Screw, 12mm x 2.0mm dia. – Sterile Packaged
- 1427-2013        Snap-Screw, 13mm x 2.0mm dia. – Sterile Packaged
- 1427-2014        Snap-Screw, 14mm x 2.0mm dia. – Sterile Packaged
- 1456-0026        Snap-Screw Driver – Sterile Packaged
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Reduce Waste
Instead of using disposable plastic instruments once and discarding them in the trash, CrossRoads instruments are recovered through our EcoSMART program thereby helping your hospital cut medical waste. And surgeons appreciate the smooth action and solid “feel” of the surgical grade stainless steel and aluminum instruments provided in our sterile kits.

Save Money
We purchase your used CrossRoads instruments after surgery and this slashes down your operating cost. As bundled payments become a reality, the EcoSMART Instrument Recovery Program helps your facility save money.

Savings of 7% - 15% are common with EcoSMART® technology.

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