EXACTECH | **EXTREMITIES**

Operative Technique

EPIC EXTREMITY

Tibiotalar Fusion Technique

Exactech®

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INTRODUCTION

EPIC Extremity foot and ankle reconstruction system allows surgeons the ability to configure trays for their specific needs through a modular implant and instrument tray design. The system includes a cannulated screw system that consists of multiple diameter headed and headless screw options in various lengths, as well as instruments to help with implantation. Each screw boasts aggressive lead ends, reverse cutting flutes, star drivers, and self-tapping features. Headless screws feature a variable thread pitch between head and distal threads. All implants are made from titanium alloy (Ti6Al4V) conforming to ASTM F136.

While this specific technique outlines how to perform a tibiotalar fusion, the basic technique described can be used for all diameters of screws for different applications of fusion.

EPIC Extremity is designed in conjunction with:

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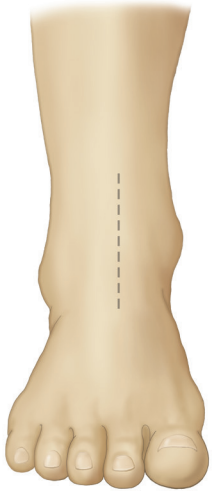


Figure A
Make the Incision

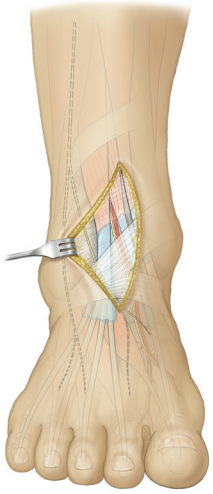


Figure B
Expose and Prepare the Joint

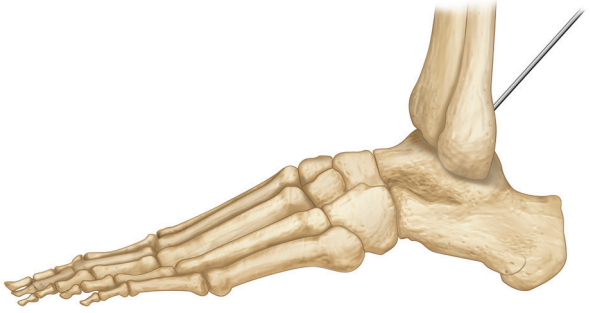


Figure C
Insert the Guidewire

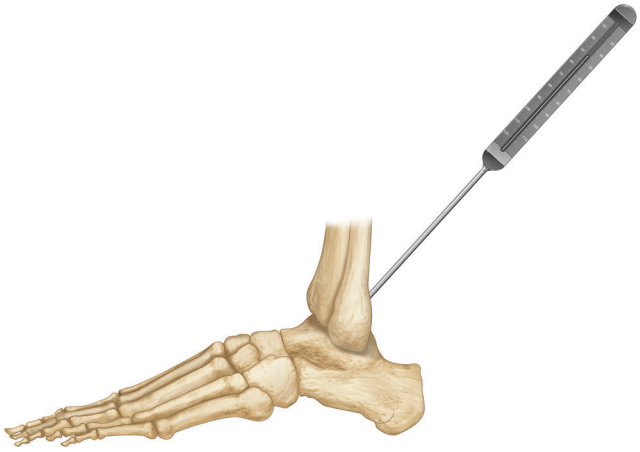


Figure D
Determine the Screw Length

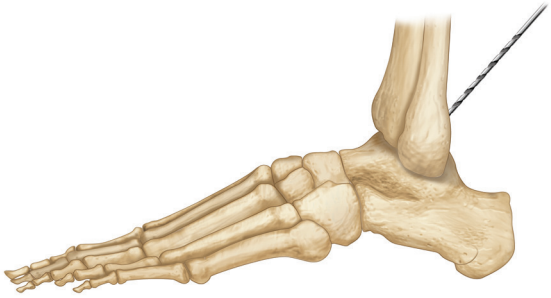


Figure E
Drill

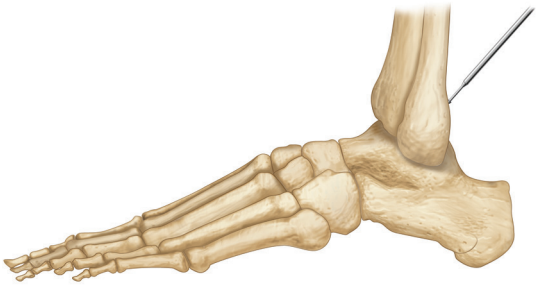


Figure F
Countersink

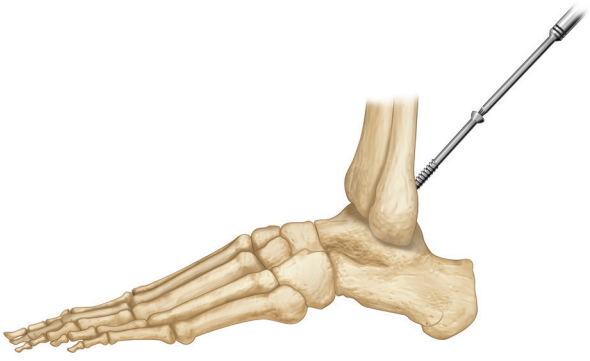


Figure G
Insert Cannulated Screws

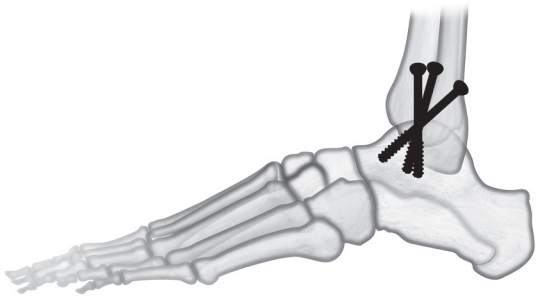


Figure G
Take Fluoroscopic Images

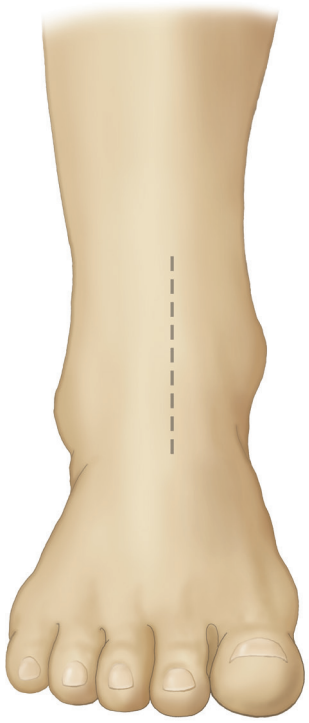


Figure 1
Make the Incision

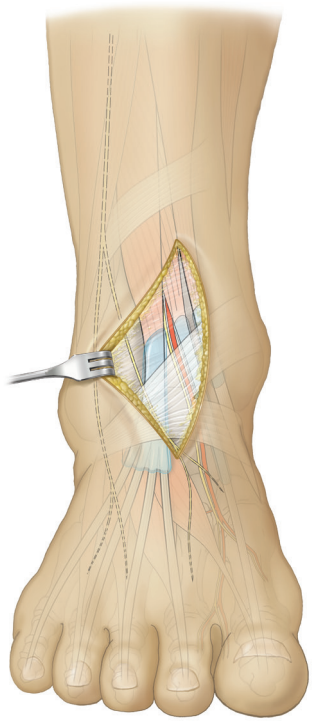


Figure 2
Expose and Prepare the Joint

Using an anterior approach, make a 10-15cm incision midline on the tibia, extending past the ankle joint *(Figure 1)*.

Dissect through the tibialis anterior and extensor hallucis longus *(Figure 2)*. Care should be taken to avoid the deep peroneal nerve and anterior tibial artery when dissecting through the interval.

Remove any heterotopic bone or osteophytes that may impede access to the joint and begin to prep the joint for arthrodesis.

Access to the joint for preparation can be aided through distraction using standard OR distraction tools. Scrape remaining cartilage from the ankle joint on both the tibia and talus. This can be accomplished using a combination of standard OR tools, such as curettes, osteotomes, saws, and elevators. After removal of all the cartilage, use a **2.0mm Drill** to perforate the prepped bone surface. Bone graft can be used based on surgeon preference.

SURGICAL TIP
Remove the cartilage using a curette on the tibial side and osteotomes on the talar dome and still try to preserve the contours that exist, unless the contours are worn in a way that creates malalignment at the joint.

DETAILED OPERATIVE TECHNIQUE

SURGICAL APPROACH

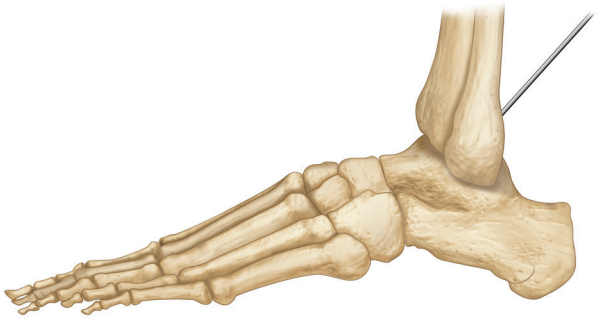


Figure 3
Insert the Guidewire

The ankle joint is positioned in the neutral plantigrade foot. This is generally described as between 0 – 5 degrees of valgus and 5 – 10 degrees of external rotation. Rotation can also be observed using the tibial crest aligned with the second metatarsal. Care is taken to avoid placing the ankle in varus or equinus.

Fluoroscopy can also be used in the lateral position to help position the ankle joint.

Place the **2.5mm Guidewire** percutaneous, originating from the posterior malleolus of the tibia into the body of the talus *(Figure 3)*. This will place the homerun screw, which is the first screw to ensure compression.

Check the guidewire placement under fluoroscopy to confirm position.

Make an incision and dissect using a hemostat to gain access to the tibial bone.

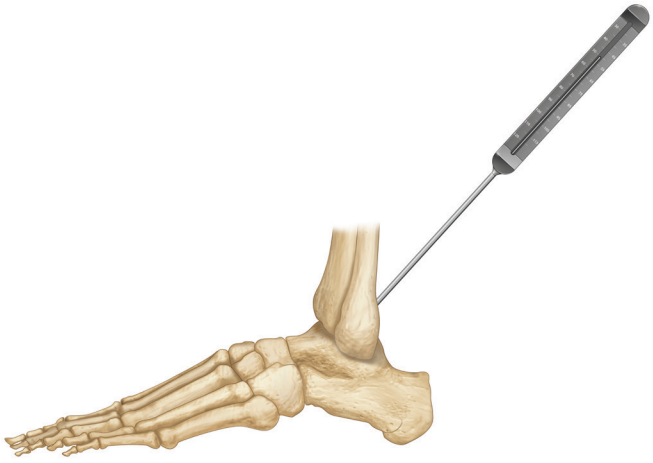


Figure 4
Determine the Screw Length

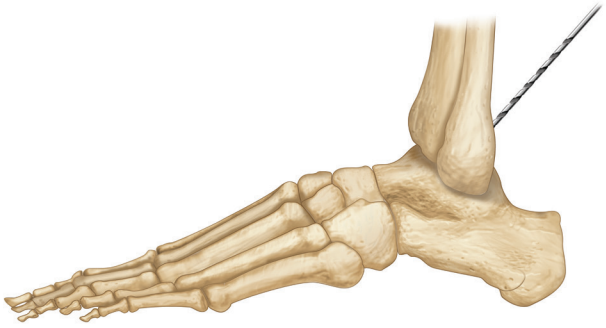


Figure 5
Drill

When the tip of the K-wire is in the desired position, the cannulated depth guide can be placed over the guidewire and placed down to the tibial bone.

The position of the proximal end of the guidewire within the **Cannulated Depth Guide** will indicate the length of screw needed *(Figure 4)*.

Note: *Care should be taken to make sure that the screw is placed long enough so that the threads cross the fusion site, but not so far that the screw tip will exit the talus.*

After measurement is confirmed, a **4.7mm Cannulated Drill** is used under power to drill the length of the K-wire *(Figure 5)*.

Remove the Cannulated Drill while leaving the guidewire in place.

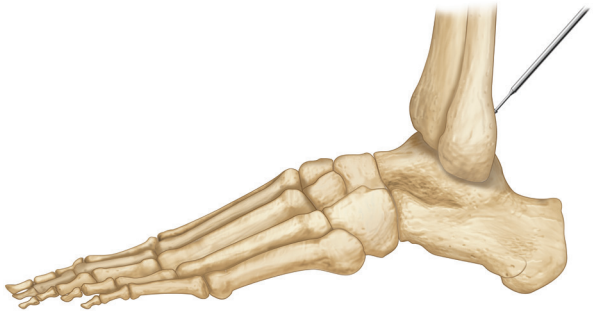


Figure 6
Countersink

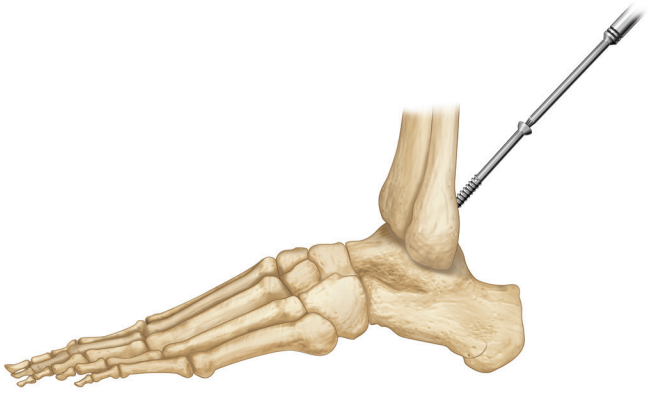


Figure 7
Insert Cannulated Screws

A **Cannulated 7.0mm Countersink** is placed over the guidewire and used by hand with the handle provided to prep the first cortex for the screw head *(Figure 6)*. If poor bone quality is a concern, the countersink may be excluded and a **Washer** may be used with the screw.

The **Cannulated Screw** is then placed over the guidewire with the appropriate screwdriver *(Figure 7)*.

The screw can be started with power, but it should be finished by hand so that the surgeon can assess the bone quality and compression achieved by fully seating the screw head against the cortical bone.

After the initial screw is inserted, place anterolateral and anteromedial screws, which enter from the tibia and engage the talar body across the fusion site, using the same method that was used for the posterior screw.

Note: *In smaller patients, insertion of three screws may not be possible. In such cases, insert either an anterolateral or anteromedial screw. Put the foot through range of motion, and ensure that the talus is fixed relative to the tibia.*

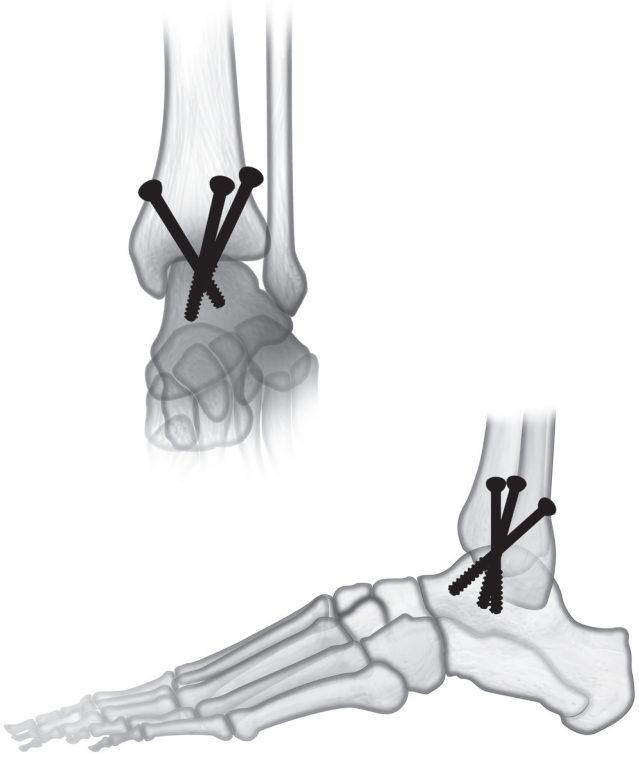


Figure 8
Take Fluoroscopic Images

Take a final AP and lateral X-rays to confirm proper position of the screws *(Figure 8)*.

SPECIFICATIONS

COMPATIBILITY CHART

	Color	Screw Diameter	Guide Wire	Drill Bit	Driver	Lengths
Headed	Magenta	2.0mm	0.9mm	1.6mm	T8	10-30mm
	Aqua	2.5mm	0.9mm	1.0mm	T8	10-30mm
	Dark Blue	3.0mm	1.1mm	2.2mm	T10	16-36mm
	Bronze	3.5mm	1.1mm	2.6mm	T10	20-40mm
	Rose Gold	4.0mm	1.4mm	3.1mm	T20	22-60mm
	Light Blue	5.0mm	1.4mm	3.5mm	T20	22-60mm
	Purple	7.0mm	2.5mm	4.7mm	T25	40-115mm
Headless	Aqua	2.5mm	0.9mm	2.0mm	T8	10-30mm
	Dark Blue	3.0mm	0.9mm	2.2mm	T8	14-40mm
	Gold	4.5mm	1.4mm	3.1mm	T20	22-60mm
	Green	6.5mm	2.5mm	4.4mm	T25	40-115mm

CATALOG NO.	PART DESCRIPTION
2.0/2.5 HEADED SCREW KIT (KIT-EP_2025)	
1000-0025	Washer, 2.0/2.5
1000-2010	Cannulated Screw, 2.0mm x 10mm
1000-2012	Cannulated Screw, 2.0mm x 12mm
1000-2014	Cannulated Screw, 2.0mm x 14mm
1000-2016	Cannulated Screw, 2.0mm x 16mm
1000-2018	Cannulated Screw, 2.0mm x 18mm
1000-2020	Cannulated Screw, 2.0mm x 20mm
1000-2022	Cannulated Screw, 2.0mm x 22mm
1000-2024	Cannulated Screw, 2.0mm x 24mm
1000-2026	Cannulated Screw, 2.0mm x 26mm
1000-2028	Cannulated Screw, 2.0mm x 28mm
1000-2030	Cannulated Screw, 2.0mm x 30mm
1000-2510	Cannulated Screw, 2.5mm x 10mm
1000-2512	Cannulated Screw, 2.5mm x 12mm
1000-2514	Cannulated Screw, 2.5mm x 14mm
1000-2516	Cannulated Screw, 2.5mm x 16mm
1000-2518	Cannulated Screw, 2.5mm x 18mm
1000-2520	Cannulated Screw, 2.5mm x 20mm
1000-2522	Cannulated Screw, 2.5mm x 22mm
1000-2524	Cannulated Screw, 2.5mm x 24mm
1000-2526	Cannulated Screw, 2.5mm x 26mm
1000-2528	Cannulated Screw, 2.5mm x 28mm
1000-2530	Cannulated Screw, 2.5mm x 30mm
3.0/3.5 HEADED SCREW KIT (KIT-EP_3035)	
1000-0035	Washer, 3.0/3.5
1000-3016	Cannulated Screw, 3.0mm x 16mm
1000-3018	Cannulated Screw, 3.0mm x 18mm
1000-3020	Cannulated Screw, 3.0mm x 20mm
1000-3022	Cannulated Screw, 3.0mm x 22mm
1000-3024	Cannulated Screw, 3.0mm x 24mm
1000-3026	Cannulated Screw, 3.0mm x 26mm
1000-3028	Cannulated Screw, 3.0mm x 28mm
1000-3030	Cannulated Screw, 3.0mm x 30mm
1000-3032	Cannulated Screw, 3.0mm x 32mm
1000-3034	Cannulated Screw, 3.0mm x 34mm
1000-3036	Cannulated Screw, 3.0mm x 36mm
1000-3520	Cannulated Screw, 3.5mm x 20mm
1000-3522	Cannulated Screw, 3.5mm x 22mm
1000-3524	Cannulated Screw, 3.5mm x 24mm
1000-3526	Cannulated Screw, 3.5mm x 26mm
1000-3528	Cannulated Screw, 3.5mm x 28mm
1000-3530	Cannulated Screw, 3.5mm x 30mm
1000-3532	Cannulated Screw, 3.5mm x 32mm
1000-3534	Cannulated Screw, 3.5mm x 34mm
1000-3536	Cannulated Screw, 3.5mm x 36mm
1000-3538	Cannulated Screw, 3.5mm x 38mm
1000-3540	Cannulated Screw, 3.5mm x 40mm

Note: *Screw lengths are measured from the top of the head to the tip of the screw. Take this into account with the headed screws, especially when washers are used.*

IMPLANT LISTING

CATALOG NO.	PART DESCRIPTION
4.0/5.0 HEADED SCREW KIT (KIT-EP_4050)	
1000-0050	Washer, 4.0/5.0
1000-4022	Cannulated Screw, 4.0mm x 22mm
1000-4024	Cannulated Screw, 4.0mm x 24mm
1000-4026	Cannulated Screw, 4.0mm x 26mm
1000-4028	Cannulated Screw, 4.0mm x 28mm
1000-4030	Cannulated Screw, 4.0mm x 30mm
1000-4032	Cannulated Screw, 4.0mm x 32mm
1000-4034	Cannulated Screw, 4.0mm x 34mm
1000-4036	Cannulated Screw, 4.0mm x 36mm
1000-4038	Cannulated Screw, 4.0mm x 38mm
1000-4040	Cannulated Screw, 4.0mm x 40mm
1000-4042	Cannulated Screw, 4.0mm x 42mm
1000-4044	Cannulated Screw, 4.0mm x 44mm
1000-4046	Cannulated Screw, 4.0mm x 46mm
1000-4048	Cannulated Screw, 4.0mm x 48mm
1000-4050	Cannulated Screw, 4.0mm x 50mm
1000-4055	Cannulated Screw, 4.0mm x 55mm
1000-4060	Cannulated Screw, 4.0mm x 60mm
1000-5022	Cannulated Screw, 5.0mm x 22mm
1000-5024	Cannulated Screw, 5.0mm x 24mm
1000-5026	Cannulated Screw, 5.0mm x 26mm
1000-5028	Cannulated Screw, 5.0mm x 28mm
1000-5030	Cannulated Screw, 5.0mm x 30mm
1000-5032	Cannulated Screw, 5.0mm x 32mm
1000-5034	Cannulated Screw, 5.0mm x 34mm,
1000-5036	Cannulated Screw, 5.0mm x 36mm,
1000-5038	Cannulated Screw, 5.0mm x 38mm,
1000-5040	Cannulated Screw, 5.0mm x 40mm,
1000-5042	Cannulated Screw, 5.0mm x 42mm
1000-5044	Cannulated Screw, 5.0mm x 44mm
1000-5046	Cannulated Screw, 5.0mm x 46mm
1000-5048	Cannulated Screw, 5.0mm x 48mm
1000-5050	Cannulated Screw, 5.0mm x 50mm
1000-5055	Cannulated Screw, 5.0mm x 55mm
1000-5060	Cannulated Screw, 5.0mm x 60mm

Note: *Screw lengths are measured from the top of the head to the tip of the screw. Take this into account with the headed screws, especially when washers are used.*

CATALOG NO.	PART DESCRIPTION
7.0 HEADED SCREW KIT (KIT-EP_70)	
1000-0070	Washer, 7.0
1000-7040	Cannulated Screw, 7.0mm x 40mm
1000-7045	Cannulated Screw, 7.0mm x 45mm
1000-7050	Cannulated Screw, 7.0mm x 50mm
1000-7055	Cannulated Screw, 7.0mm x 55mm
1000-7060	Cannulated Screw, 7.0mm x 60mm
1000-7065	Cannulated Screw, 7.0mm x 65mm
1000-7070	Cannulated Screw, 7.0mm x 70mm
1000-7075	Cannulated Screw, 7.0mm x 75mm
1000-7080	Cannulated Screw, 7.0mm x 80mm
1000-7085	Cannulated Screw, 7.0mm x 85mm
1000-7090	Cannulated Screw, 7.0mm x 90mm
1000-7095	Cannulated Screw, 7.0mm x 95mm
1000-7100	Cannulated Screw, 7.0mm x 100mm
1000-7105	Cannulated Screw, 7.0mm x 105mm
1000-7110	Cannulated Screw, 7.0mm x 110mm
1000-7115	Cannulated Screw, 7.0mm x 115mm

30mm Threaded Screws

1002-7070	Cannulated Screw, 7.0mm x 70mm
1002-7075	Cannulated Screw, 7.0mm x 75mm
1002-7080	Cannulated Screw, 7.0mm x 80mm
1002-7085	Cannulated Screw, 7.0mm x 85mm
1002-7090	Cannulated Screw, 7.0mm x 90mm
1002-7095	Cannulated Screw, 7.0mm x 95mm
1002-7100	Cannulated Screw, 7.0mm x 100mm
1002-7105	Cannulated Screw, 7.0mm x 105mm
1002-7110	Cannulated Screw, 7.0mm x 110mm
1002-7115	Cannulated Screw, 7.0mm x 115mm

2.5HL KIT (KIT-EP_25HL)	
1001-2510	Headless Cannulated Screw, 2.5mm x 10mm
1001-2512	Headless Cannulated Screw, 2.5mm x 12mm
1001-2514	Headless Cannulated Screw, 2.5mm x 14mm
1001-2516	Headless Cannulated Screw, 2.5mm x 16mm
1001-2518	Headless Cannulated Screw, 2.5mm x 18mm
1001-2520	Headless Cannulated Screw, 2.5mm x 20mm
1001-2522	Headless Cannulated Screw, 2.5mm x 22mm
1001-2524	Headless Cannulated Screw, 2.5mm x 24mm
1001-2526	Headless Cannulated Screw, 2.5mm x 26mm
1001-2528	Headless Cannulated Screw, 2.5mm x 28mm
1001-2530	Headless Cannulated Screw, 2.5mm x 30mm

Note: *Screw lengths are measured from the top of the head to the tip of the screw. Take this into account with the headed screws, especially when washers are used.*

IMPLANT LISTING

CATALOG NO.	PART DESCRIPTION
3.0HL KIT (KIT-EP_30HL)	
1001-3014	Headless Cannulated Screw, 3.0mm x 14mm
1001-3016	Headless Cannulated Screw, 3.0mm x 16mm
1001-3018	Headless Cannulated Screw, 3.0mm x 18mm
1001-3020	Headless Cannulated Screw, 3.0mm x 20mm
1001-3022	Headless Cannulated Screw, 3.0mm x 22mm
1001-3024	Headless Cannulated Screw, 3.0mm x 24mm
1001-3026	Headless Cannulated Screw, 3.0mm x 26mm
1001-3028	Headless Cannulated Screw, 3.0mm x 28mm
1001-3030	Headless Cannulated Screw, 3.0mm x 30mm
1001-3032	Headless Cannulated Screw, 3.0mm x 32mm
1001-3034	Headless Cannulated Screw, 3.0mm x 34mm
1001-3036	Headless Cannulated Screw, 3.0mm x 36mm
1001-3038	Headless Cannulated Screw, 3.0mm x 38mm
1001-3040	Headless Cannulated Screw, 3.0mm x 40mm

4.5HL KIT (KIT-EP_45HL)	
1001-4522	Headless Cannulated Screw, 4.5mm x 22mm
1001-4524	Headless Cannulated Screw, 4.5mm x 24mm
1001-4526	Headless Cannulated Screw, 4.5mm x 26mm
1001-4528	Headless Cannulated Screw, 4.5mm x 28mm
1001-4530	Headless Cannulated Screw, 4.5mm x 30mm
1001-4532	Headless Cannulated Screw, 4.5mm x 32mm
1001-4534	Headless Cannulated Screw, 4.5mm x 34mm
1001-4536	Headless Cannulated Screw, 4.5mm x 36mm
1001-4538	Headless Cannulated Screw, 4.5mm x 38mm
1001-4540	Headless Cannulated Screw, 4.5mm x 40mm
1001-4542	Headless Cannulated Screw, 4.5mm x 42mm
1001-4544	Headless Cannulated Screw, 4.5mm x 44mm
1001-4546	Headless Cannulated Screw, 4.5mm x 46mm
1001-4548	Headless Cannulated Screw, 4.5mm x 48mm
1001-4550	Headless Cannulated Screw, 4.5mm x 50mm
1001-4555	Headless Cannulated Screw, 4.5mm x 55mm
1001-4560	Headless Cannulated Screw, 4.5mm x 60mm

Note: *Screw lengths are measured from the top of the head to the tip of the screw. Take this into account with the headed screws, especially when washers are used.*

CATALOG NO.	PART DESCRIPTION
6.5HL KIT (KIT-EP_65HL)	
1001-6540	Headless Cannulated Screw, 6.5mm x 40mm
1001-6545	Headless Cannulated Screw, 6.5mm x 45mm
1001-6550	Headless Cannulated Screw, 6.5mm x 50mm
1001-6555	Headless Cannulated Screw, 6.5mm x 55mm
1001-6560	Headless Cannulated Screw, 6.5mm x 60mm
1001-6565	Headless Cannulated Screw, 6.5mm x 65mm
1001-6570	Headless Cannulated Screw, 6.5mm x 70mm
1001-6575	Headless Cannulated Screw, 6.5mm x 75mm
1001-6580	Headless Cannulated Screw, 6.5mm x 80mm
1001-6585	Headless Cannulated Screw, 6.5mm x 85mm
1001-6590	Headless Cannulated Screw, 6.5mm x 90mm
1001-6595	Headless Cannulated Screw, 6.5mm x 95mm
1001-6500	Headless Cannulated Screw, 6.5mm x 100mm
1001-6505	Headless Cannulated Screw, 6.5mm x 105mm
1001-6510	Headless Cannulated Screw, 6.5mm x 110mm
1001-6515	Headless Cannulated Screw, 6.5mm x 115mm
1002-6570	Headless Cannulated Screw, 6.5mm x 70mm x 30mm
1002-6575	Headless Cannulated Screw, 6.5mm x 75mm x 30mm
1002-6580	Headless Cannulated Screw, 6.5mm x 80mm x 30mm
1002-6585	Headless Cannulated Screw, 6.5mm x 85mm x 30mm
1002-6590	Headless Cannulated Screw, 6.5mm x 90mm x 30mm
1002-6595	Headless Cannulated Screw, 6.5mm x 95mm x 30mm
1002-6500	Headless Cannulated Screw, 6.5mm x 100mm x 30mm
1002-6505	Headless Cannulated Screw, 6.5mm x 105mm x 30mm
1002-6510	Headless Cannulated Screw, 6.5mm x 110mm x 30mm
1002-6515	Headless Cannulated Screw, 6.5mm x 115mm x 30mm

Note: *Screw lengths are measured from the top of the head to the tip of the screw. Take this into account with the headed screws, especially when washers are used.*

INSTRUMENT LISTING

CATALOG NO.	PART DESCRIPTION
2.0/2.5 HEADED SCREW KIT (KIT-EP_2025)	
1100-0000	Handle with Quick Connect*
1100-0001	Depth Guide, Cannulated Screws
1100-0004	Small Ratchet Handle with Quick Connect**
1100-0008	Cannulated Screwdriver Shaft, Size T8
1100-0090	Non-Threaded Guidewire, 0.9mm x 150mm
1100-0160	Non Threaded Guidewire, 1.6mm x 150mm
1100-1600	Cannulated Drill Bit, Quick Connect, 1.6mm x 115mm
1100-2000	Cannulated Drill Bit, Quick Connect, 2.0mm x 115mm
1100-2025	Cannulated Countersink for 2.0/2.5

3.0/3.5 HEADED SCREW KIT (KIT-EP_3035)	
1100-0000	Handle with Quick Connect*
1100-0001	Depth Guide, Cannulated Screws
1100-0004	Small Ratchet Handle with Quick Connect**
1100-0010	Cannulated Screwdriver, Size T10
1100-0110	Non-Threaded Guidewire, 1.1mm x 150mm
1100-0160	Non Threaded Guidewire, 1.6mm x 150mm
1100-2200	Cannulated Drill Bit, Quick Connect, 2.2mm x 115mm
1100-2600	Cannulated Drill Bit, Quick Connect, 2.6mm x 115mm
1100-3035	Cannulated Countersink, 3.0/3.5

4.0/5.0 HEADED SCREW KIT (KIT-EP_4050)	
1100-0000	Handle with Quick Connect*
1100-0001	Depth Guide, Cannulated Screws
1100-0004	Small Ratchet Handle with Quick Connect**
1100-0020	Cannulated Screwdriver Shaft, Size T20
1100-0140	Non-Threaded Guide Wire, 1.4mm x 150mm
1100-0160	Non-Threaded Guide Wire, 1.6mm x 150mm
1100-3100	Cannulated Drill Bit, Quick Connect, 3.1mm x 135mm
1100-3500	Cannulated Drill Bit, Quick Connect, 3.5mm x 135mm
1100-4050	Cannulated Countersink, 4.0/5.0mm Screws

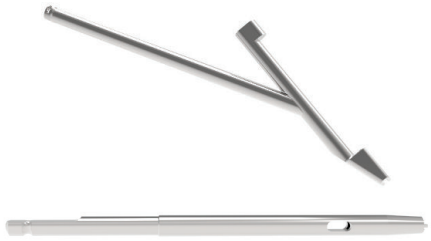
Note: *The 1.1mm and 1.4mm Guidewires are laser-etched.* ***The laser-etching is for diameter designation only, not the length of the screw. The screw length should always be determined by the back end of the screw guidewire.***

Note: *There are 1.6mm single-ended K-wires in the system that are used for temporary stabilization of bones. They are not intended to be used for screw placement.*

**Corresponding MedTorque Device Number is 2HJ4-C09.*

***Corresponding MedTorque Device Number is 2RUM5-C09.*

CATALOG NO.	PART DESCRIPTION
7.0 HEADED SCREW KIT (KIT-EP_70)	
1100-0002	Depth Guide, 6.5/7.0mm Screws
1100-0003	Handle, Large***
1100-0005	Ratchet Handle, Large†
1100-0030	Cannulated Screwdriver Shaft, Size T30
1100-0250	Non-Threaded Guide Wire, 2.5mm x 250mm
1100-4700	Cannulated Drill Bit, 4.7mm x 215mm
1100-7000	Cannulated Countersink, 7.0mm
2.5HL KIT (KIT-EP_25HL)	
1100-0000	Handle with Quick Connect*
1100-0001	Depth Guide, Cannulated Screws
1100-0004	Small Ratchet Handle with Quick Connect**
1100-0008	Cannulated Screwdriver, Size T8
1100-0090	Non-Threaded Guidewire, 0.9mm x 150mm
1100-0160	Non-Threaded Guidewire, 1.6mm x 150mm
1100-2200	Cannulated Drill Bit, Quick Connect, 2.2mm x 115mm
1101-2500	Cannulated Countersink, 2.5 Headless
3100-0000	Akin Staple Instrument
4100-0001	Snap-Off Driver



Note: *The 1.1mm and 1.4mm Guidewires are laser-etched.* ***The laser-etching is for diameter designation only, not the length of the screw. The screw length should always be determined by the back end of the screw guidewire.***

Note: *There are 1.6mm single-ended K-wires in the system that are used for temporary stabilization of bones. They are not intended to be used for screw placement.*

**Corresponding MedTorque Device Number is 2HJ4-C09.*

***Corresponding MedTorque Device Number is 2RUM5-C09.*

****Corresponding MedTorque Device Number is 2FS7-C09.*

†Corresponding MedTorque Device Number is 2RS6-C09.

INSTRUMENT LISTING

CATALOG NO.	PART DESCRIPTION
3.0HL KIT (KIT-EP_30HL)	
1100-0000	Handle with Quick Connect*
1100-0001	Depth Guide, Cannulated Screws
1100-0004	Small Ratchet Handle with Quick Connect**
1100-0010	Cannulated Screwdriver Shaft, Size T10
1100-0090	Non-Threaded Guidewire, 0.9mm x 150mm
1100-0160	Non-Threaded Guidewire, 1.6mm x 150mm
1100-2200	Cannulated Drill Bit, Quick Connect, 2.2mm x 115mm
1101-3000	Cannulated Countersink, 3.0 Headless
3100-0000	Akin Staple Instrument
4100-0001	Snap-Off Driver
4.5HL KIT (KIT-EP_45HL)	
1100-0000	Handle with Quick Connect*
1100-0001	Depth Guide, Cannulated Screws
1100-0004	Small Ratchet Handle with Quick Connect**
1100-0020	Cannulated Screwdriver, Size T20
1100-0160	Non-Threaded Guidewire, 1.6mm x 150mm
1100-3100	Cannulated Drill Bit, Quick Connect, 3.1mm x 135mm
1101-4500	Cannulated Countersink, 4.5mm Headless
6.5HL KIT (KIT-EP_65HL)	
1100-0002	Depth Guide, 6.5/7.0mm Screws
1100-0003	Handle, Large***
1100-0005	Ratchet Handle, Large†
1100-0030	Cannulated Screwdriver Shaft, Size T30
1100-0250	Non-Threaded Guidewire, 2.5mm x 250mm
1100-4400	Cannulated Drill Bit, 4.4mm x 215mm
1101-6500	Cannulated Countersink, 6.5mm Headless

Note: *The 1.1mm and 1.4mm Guidewires are laser-etched.* ***The laser-etching is for diameter designation only, not the length of the screw. The screw length should always be determined by the back end of the screw guidewire.***

Note: *There are 1.6mm single-ended K-wires in the system that are used for temporary stabilization of bones. They are not intended to be used for screw placement.*

**Corresponding MedTorque Device Number is 2HJ4-C09.*

***Corresponding MedTorque Device Number is 2RUM5-C09.*

****Corresponding MedTorque Device Number is 2FS7-C09.*

†*Corresponding MedTorque Device Number is 2RS6-C09.*

INDICATIONS

The EPIC Extremity Cannulated Screw System is indicated for use in bone reconstruction, osteotomy, arthrodesis, joint fusion, fracture repair, and fracture fixation of bones, appropriate for the size of the device. Screws are intended for single-use only.

CONTRAINDICATIONS

- Patients where there is an active infection
- Possibility for conservative treatment
- Patients with malignant primary or metastasis tumors, which preclude adequate bone support or screw fixations, unless supplemental fixation or stabilization methods are utilized.
- Growing patients with open epiphyses
- Insufficient quantity or quality of bone to permit stabilization of the arthrodesis
- Suspected or documented metal allergy or intolerance

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For additional device information, refer to the EPIC Extremity–Instructions for Use for a device description, indications, contraindications, precautions and warnings. For further product information, please contact Customer Service, Exactech, Inc., 2320 NW 66th Court, Gainesville, Florida 32653-1630, USA. (352) 377-1140, (800) 392-2832 or FAX (352) 378-2617.

Exactech, as the manufacturer of this device, does not practice medicine, and is not responsible for recommending the appropriate surgical technique for use on a particular patient. These guidelines are intended to be solely informational and each surgeon must evaluate the appropriateness of these guidelines based on his or her personal medical training and experience. Prior to use of this system, the surgeon should refer to the product package insert for comprehensive warnings, precautions, indications for use, contraindications and adverse effects.

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