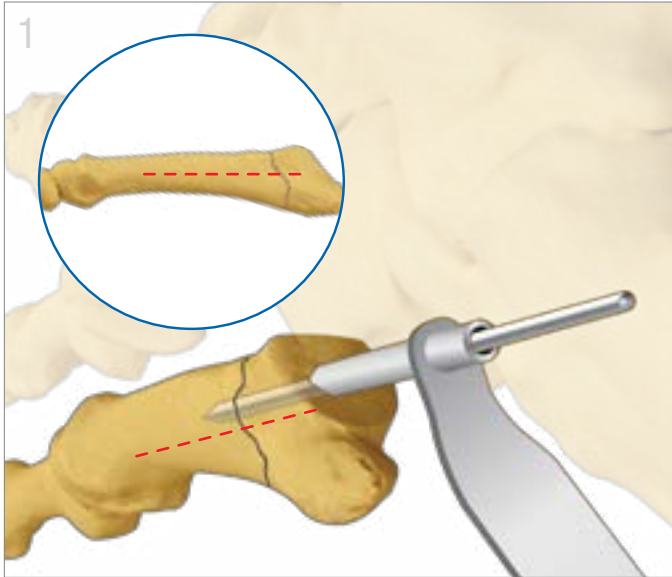




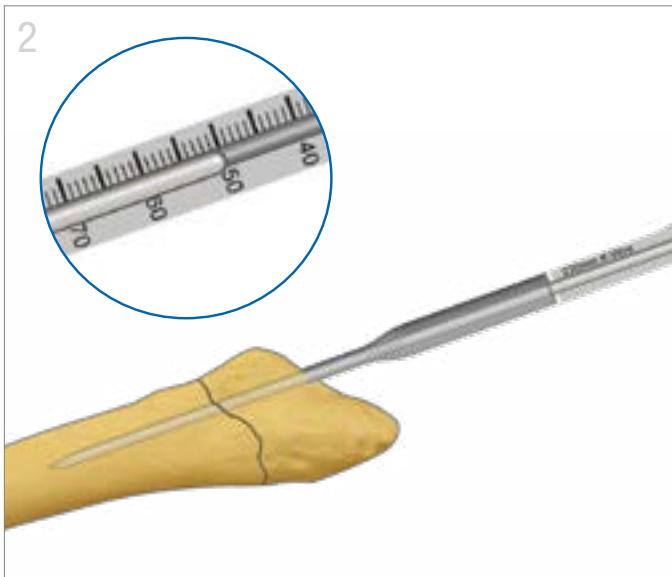
# Jones Screw

Surgical Technique | *TriMed Fifth Metatarsal System*



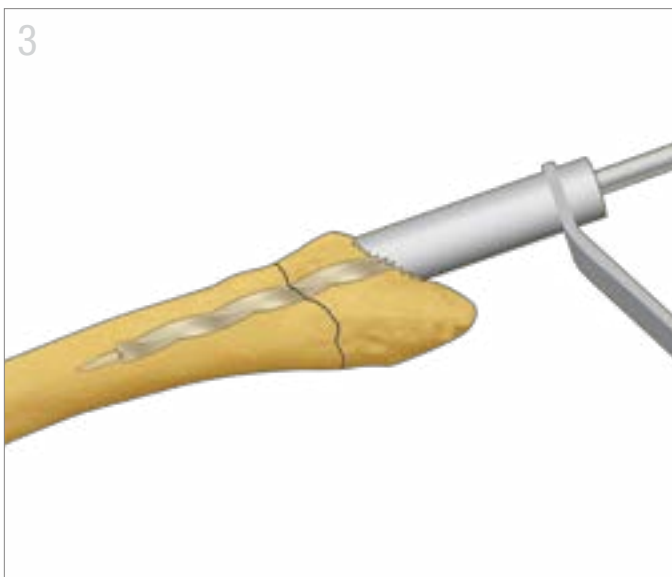
### Approach and K-wire Placement

- Make standard lateral incision 1-3cm parallel to the plantar border of the foot extending proximally at the level of the fifth metatarsal tuberosity. Bluntly dissect down to the base. Avoid the sural nerve and peroneus brevis tendon.
- Place K-wire guide sleeve “high and inside” to the midline of the fifth metatarsal base on lateral view. Select appropriately sized K-wire. (See Screw Table)
- Advance K-wire into center of intramedullary canal of the 5<sup>th</sup> metatarsal. Continuously verify the K-wire placement on the AP and lateral views. Stop proximal to the diaphyseal curve.



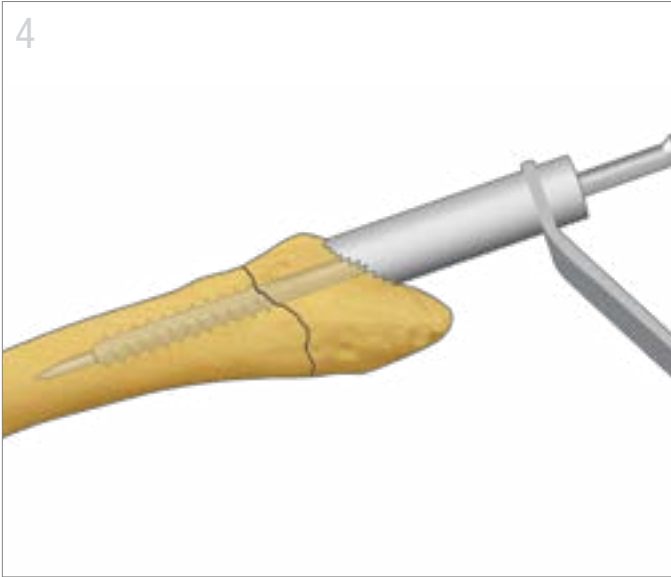
### Measure Depth

- Measure K-wire depth with Wire Gauge.



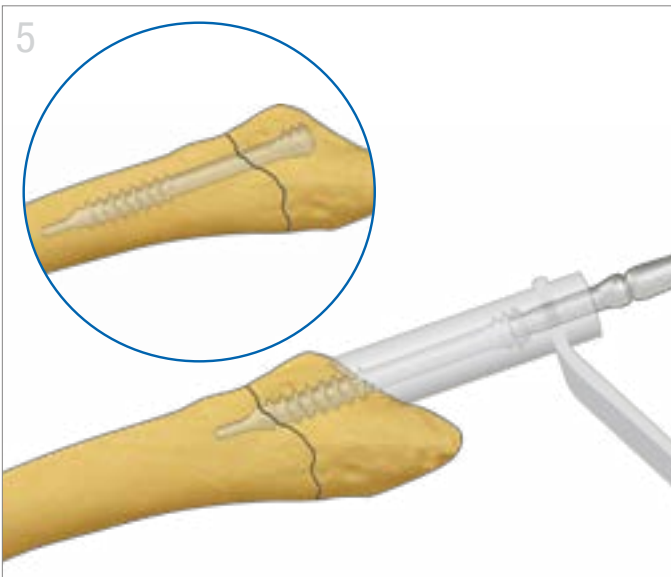
### Drill for Screw

- Place Tissue Protector sleeve over K-wire.
- Select appropriately sized cannulated drill bit based on pre-op intramedullary canal measurement and drill over K-wire to measured depth.



### Tap for Screw

- Select the appropriate tap and tap for the screw.
- Taps can be used to confirm a screw size appropriate to the patient's anatomy. The tap should fit snug in the distal part of the intramedullary canal of the 5<sup>th</sup> metatarsal.



### Insert Screw

- Remove K-wire. Insert screw with corresponding screwdriver.
- Check final screw placement and fracture reduction on C-arm on lateral and AP views.
- Irrigate and close in layers.

### X-RAY



**Pre-Op**



**Post-Op at 2 weeks**




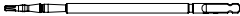


**Post-Op Final**

X-Rays courtesy of Harpreet S. Basran, MD

All implants made from surgical grade stainless steel

## Screw Table

	4.5mm	5.5mm	6.5mm
 <b>K-wire</b>	1.6mm	2.0mm	2.0mm
 <b>Drill Bit</b>	3.2mm Cannulated	4.0mm Cannulated	4.8mm Cannulated
 <b>Tap</b>	4.5mm Cannulated	5.5mm Cannulated	6.5mm Cannulated
 <b>Screwdriver</b>	2.5mm Hex	3.0mm Hex	3.5mm Hex

### Jones Screw

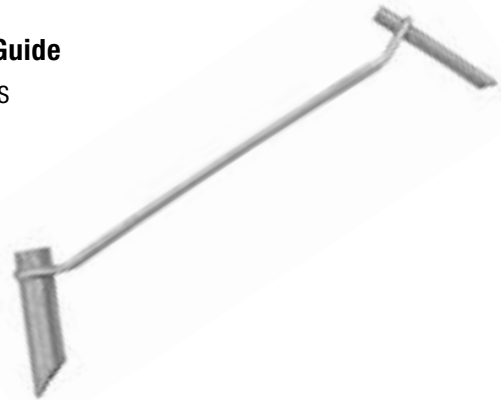
JHEX45xx  
JHEX55xx  
JHEX65xx

xx = 40mm to 60mm  
(5mm increments)



### Jones Guide

GUIDEFMS



### Wire Gauge

GAUGEWIR-2.5/230



### Ratchet Handle

HNDL-RATCH



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The technique presented is one suggested surgical technique. The decision to use a specific implant and the surgical technique must be based on sound medical judgment by the surgeon that takes into consideration factors such as the circumstances and configuration of the injury.

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For indications, contraindications, warnings and precautions related to TriMed Fifth Metatarsal System reference IFU on [trimedortho.com/ifu](http://trimedortho.com/ifu).

See [trimedortho.com/patents](http://trimedortho.com/patents) for all patent information.