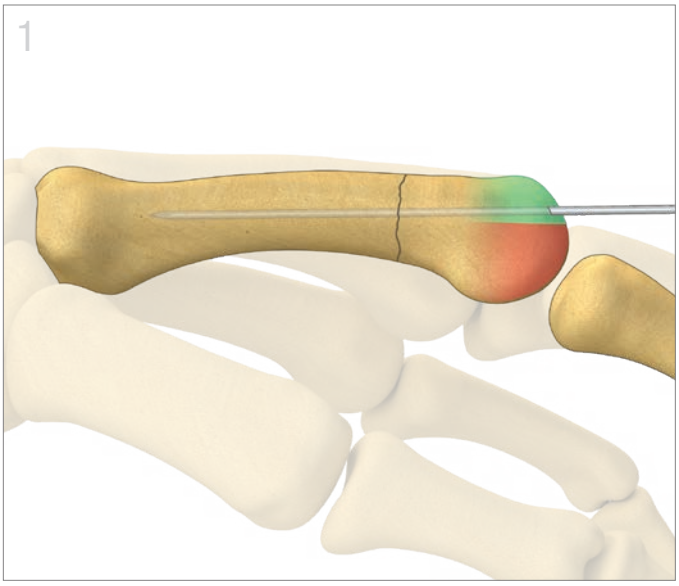
TriMed®

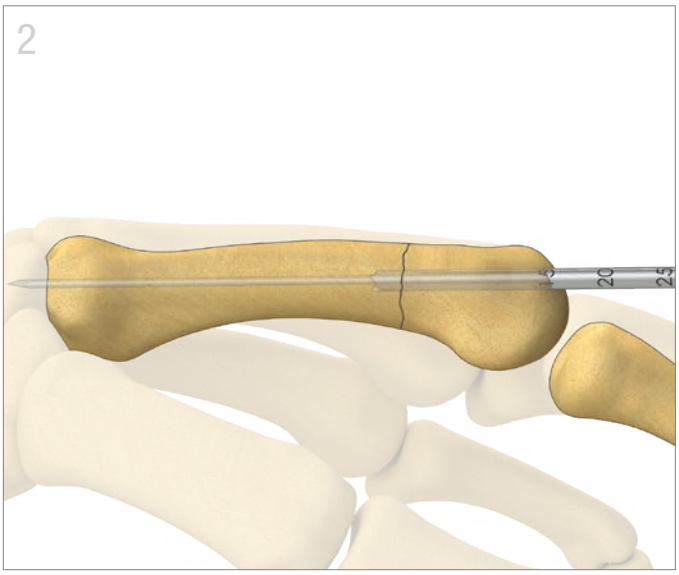
Small Threaded IM Nails

Surgical Technique | *TriMed Threaded IM Nail System*



K-wire Placement

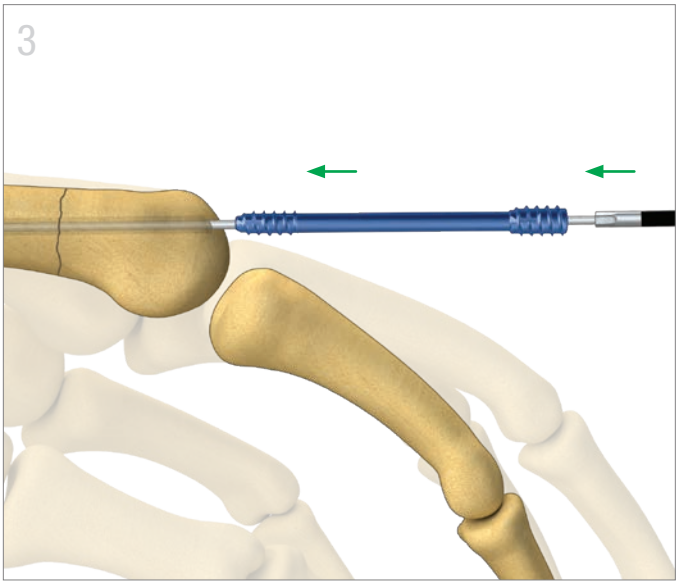
- Expose metacarpal/phalangeal head to access the dorsal third of the articular surface by retracting or splitting extensor tendon.
- Select the appropriate K-wire for the desired size Small Threaded IM Nail.
- Reduce fracture and direct a K-wire central to the dorsal third. Drive K-wire with consideration for the curvature of the volar wall and overall screw trajectory. Confirm with C-arm.



Measure and Ream

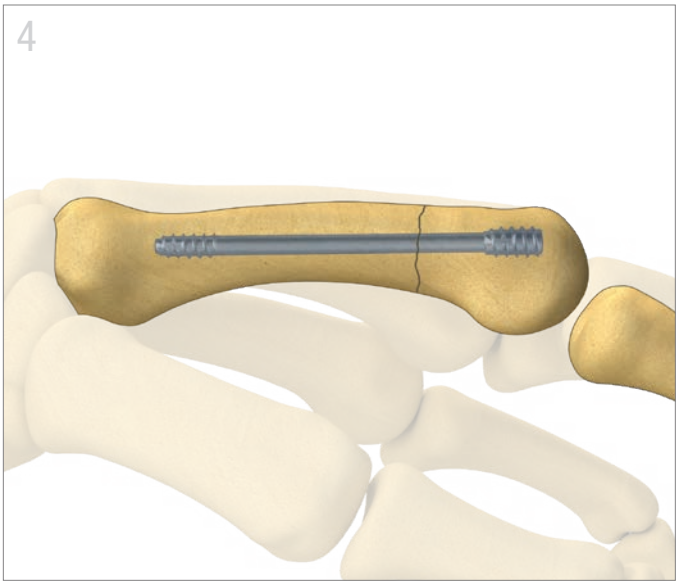
- With the K-wire positioned to the desired length, measure the length with the Wire Gauge. After measuring, advance the K-wire into the opposite bone end to prevent inadvertent removal when reaming.
- Ream over K-wire to desired depth, crossing the fracture site.[1]
- Use laser markings on drill as an aid to select appropriate nail length.

[1] **Note:** Radiographic measurements and intramedullary canal reaming should be used to size the canal appropriately prior to implant insertion.



Small Threaded IM Nail Placement

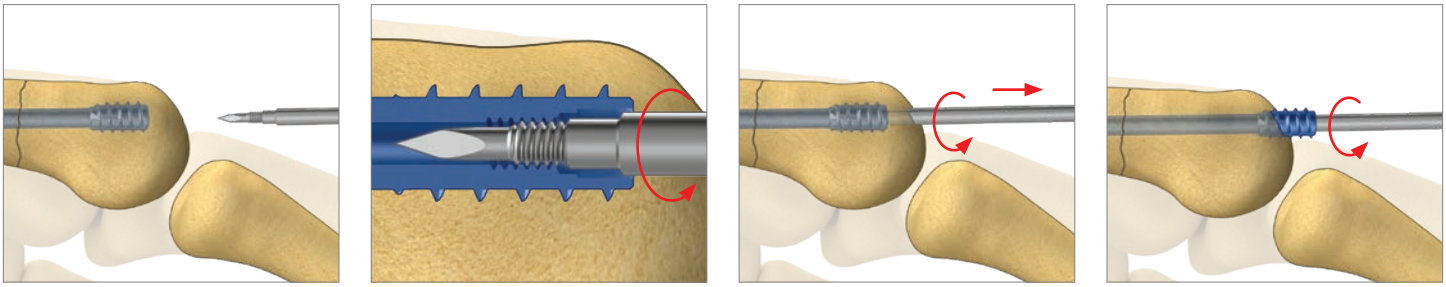
- Guide the appropriate length Small Threaded IM Nail over the K-wire.
- Engage the appropriate driver and advance nail by threading into the canal to desired position. The head of the nail should be recessed below the subchondral surface.



Final Fixation

- Confirm position, depth, and placement with C-arm.
- Remove K-wire.

REMOVAL TOOL



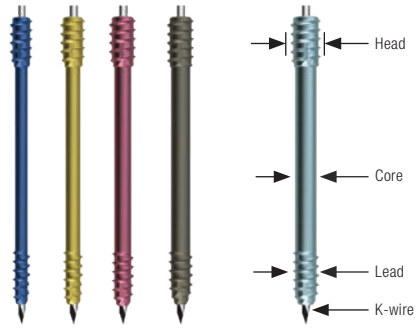
Small Threaded IM Nail Removal

- If done post-operatively, use the appropriately sized K-wire to find the cannulation in the Small Threaded IM Nail. If necessary, ream the channel above the head carefully with the drill over the K-wire.
- Remove the K-wire and insert Removal Tool to engage the socket opening at the head of the implant.
- Rotate the Removal Tool **counter-clockwise** to engage and lock the reverse thread within the implant.
- Continue to rotate counter-clockwise while withdrawing the Removal Tool to unscrew the implant from the bone.

Note: Excessive force may cause instrument breakage or damage. If excessive torque is required, another method for implant removal will be needed. The Removal Tool is a single-use device.

All implants made from surgical grade titanium alloy

Small Threaded IM Nails



Screw	Lengths	Core	K-wire	Drill Bit	Driver	Removal Tool
1.8 IMN-1.8-xx T	14-50mm	1.8mm	WIRE-0.9/120	DRILL-1.8/100C S	DVHX-1.6/070MC AO	RMVIMN-1.8/2.1
2.1 IMN-2.1-xx T	20–60mm	2.1mm	WIRE-1.1/120	DRILL-2.1/100C S	DVHX-1.8/070MC AO	RMVIMN-1.8/2.1
2.4 IMN-2.4-xx T	30–70mm	2.4mm	WIRE-1.1/120	DRILL-2.4/110C S	DVHX-2.0/070MC AO	RMVIMN-2.4/2.7
2.7 IMN-2.7-xx T	30–70mm	2.7mm	WIRE-1.1/120	DRILL-2.7/110C S	DVHX-2.0/070MC AO	RMVIMN-2.4/2.7
3.0 IMN-3.0-xx T	30–70mm	3.0mm	WIRE-1.1/120	DRILL-3.0/110C S	DVHX-2.4/070MC AO	RMVIMN-3.0

Note: Not all lengths listed above are provided in the standard tray/system configuration. May be subject to special order request.

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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 Threaded IM Nail System reference IFU on trimedortho.com/ifu.

See trimedortho.com/patents for all patent information.