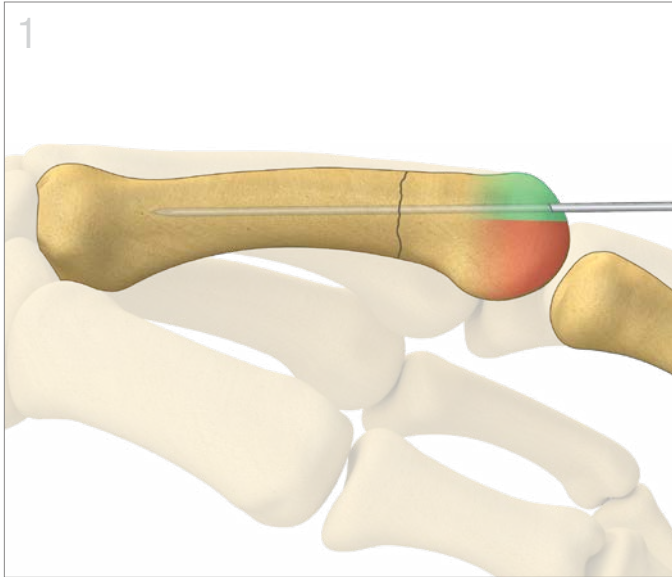


Small Threaded IM Nails

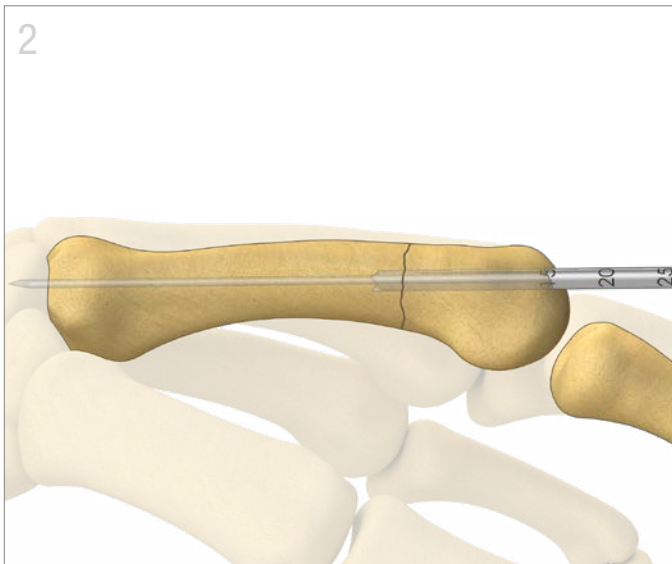


SURGICAL TECHNIQUE



K-wire Placement

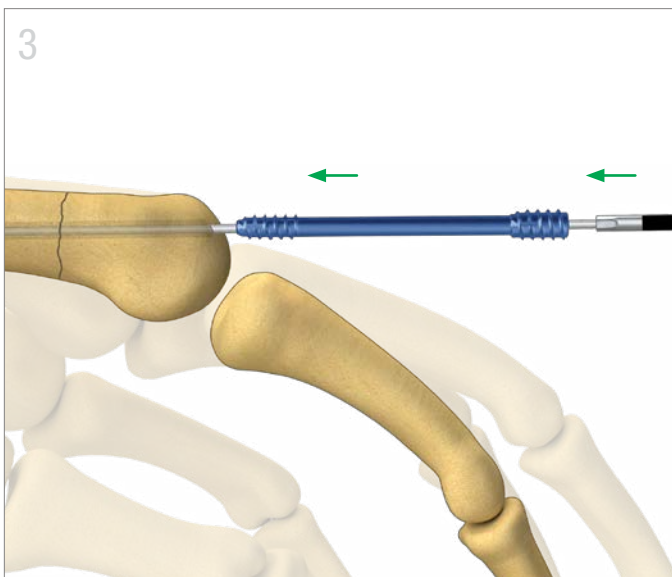
- Expose metacarpal/phalangeal head to access the dorsal third of the articular surface by retracting or splitting extensor tendon.
- Select the appropriate K-wire for the desired size Small Threaded IM Nail.
- Reduce fracture and direct a K-wire in the center of the dorsal third. Drive K-wire with consideration of the curvature of the bone and overall nail trajectory. Confirm position 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 by hand 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 nail 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 hand 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

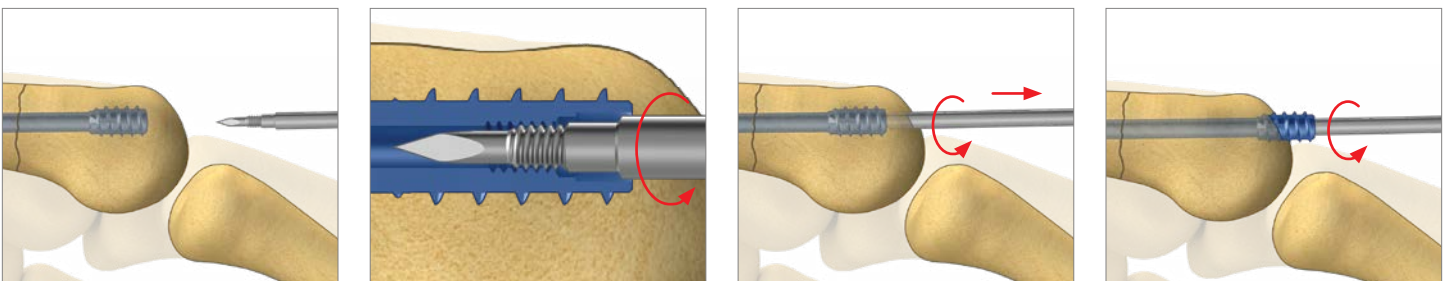
Small Threaded IM Nail Removal

- To remove the nail post-operatively, use the appropriately sized K-wire to find the cannulation in the Small Threaded IM Nail. If necessary, open the channel down to the nail head with the drill.
- Engage the driver into the nail head and remove.

If the Nail is loose:

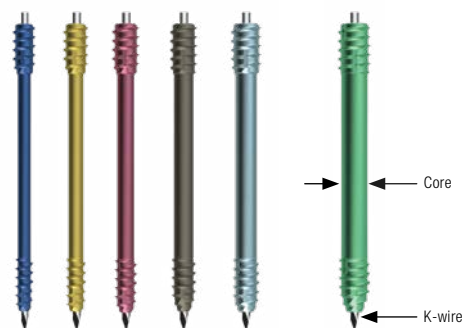
- Remove the K-wire and insert Removal Tool into the cannulation in the head of the nail.
- Thread the Removal Tool **counter-clockwise** to engage the inner thread within the head of the nail until locked.
- Continue to rotate counter-clockwise to unscrew the nail from the bone.

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



All implants made from surgical grade titanium alloy

Small Threaded IM Nails



Nail	Lengths	Core	K-wire	Drill Bit	Driver	Removal Tool
1.8 IMN-1.8-xx T 	14-40mm	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 	20-55mm	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 	30-65mm	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 	30-65mm	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 	30-65mm	3.0mm	WIRE-1.1/120	DRILL-3.0/110C S	DVHX-2.4/070MC AO	RMVIMN-3.0/3.6
3.6 IMN-3.6-xx T 	30-65mm	3.6mm	WIRE-1.1/120	DRILL-3.6/110C S	DVHX-2.4/070MC AO	RMVIMN-3.0/3.6

Note: Not all lengths listed above are provided in the standard tray/system configuration. Additional lengths are subject to special order request. Nails are available in increments of 2mm or 5mm.



TriMed, Inc. / 27533 Avenue Hopkins / Santa Clarita, CA 91355 USA / 800-633-7221 / www.trimedortho.com

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.

This document is controlled by TriMed, Inc. When downloaded, printed, and/or copied, this document becomes uncontrolled, and users should always check trimedortho.com for the latest version.

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.

