

Universal Hook Plate[™]

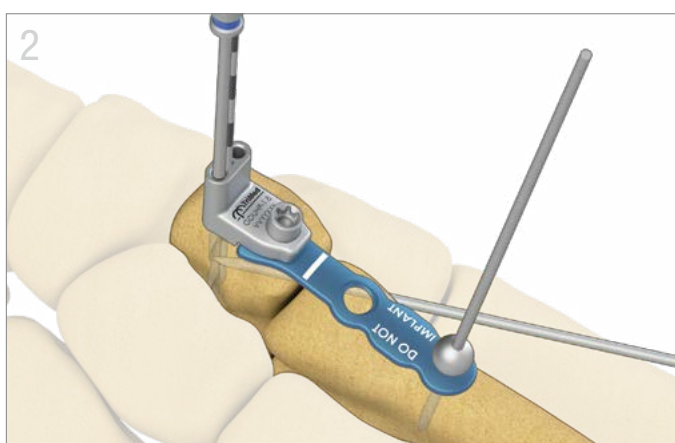
Surgical Technique | *TriMed ASET[™] Foot Plating System*



Joint Preparation and Plate Positioning

- Prepare articular surfaces and secure the joint in an anatomical position using K-wires.
- Assemble appropriate Universal Hook Plate Template with the Universal Hook Plate Drill Guide.
- Utilizing a bending rod,¹ position template on the reduced bones with laser mark over the joint. The template may be contoured to fit anatomy.

¹ **Note:** To avoid cross-threading, align the rod normal to the top surface of the locking screw hole before engagement.



Preparation for Hooks

- To secure the assembly to the bones, insert a 1.1mm K-wire in the middle hole of the drill guide and an olive wire or plate tack at the distal end of the template.
- To estimate hook position, verify placement of the 1.1mm K-wire under fluoroscopy.
- Drill the two outer holes at the proximal end of the guide with 1.8mm drill (blue).
- Remove olive wire or plate tack on the distal end and slide the guide off the 1.1mm K-wire.

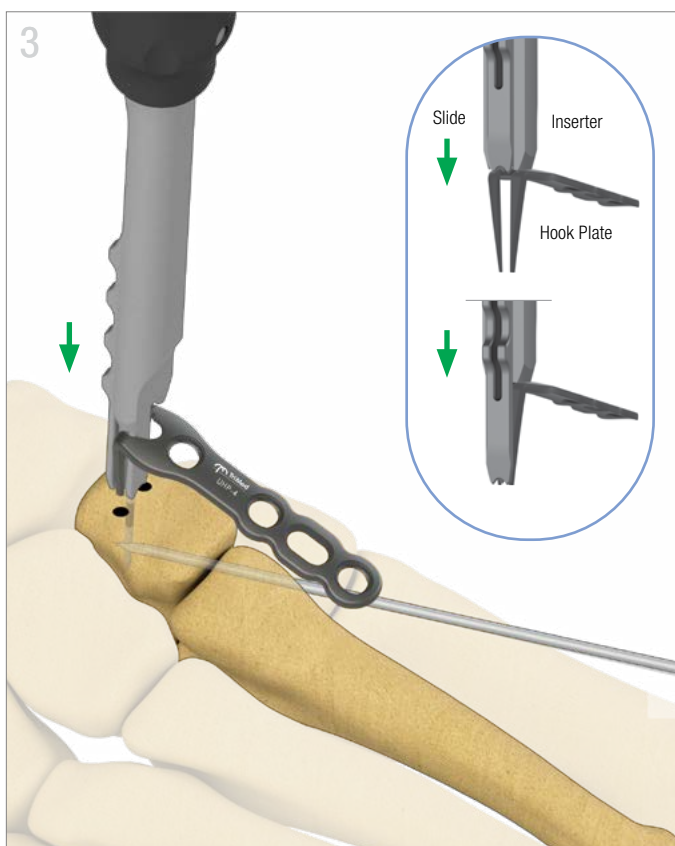


Plate Application on Proximal Bone

- Using plate benders or bending rods, contour plate to match the template.
- Assemble a Universal Hook Plate onto the Hook Plate Inserter.
- Insert the hooks into the prepared holes by sliding the assembly over the 1.1mm K-wire. **Note:** The inserter is cannulated to fit over the 1.1mm K-wire.
- If necessary, impact lightly to seat hooks into holes and plate flush onto the bone.
- Remove the Hook Plate Inserter.
- Prepare proximal holes for screws.² For locking screws, utilize the standard or variable angle locking drill guides. For non-locking cortical screws, use the standard drill guide.³
- Place and tighten appropriately sized screws.

² **Warning:** Irrigation is recommended during drilling.

³ **Warning:** A screw placement at an angle exceeding 15° for locking and non-locking screws is NOT recommended.

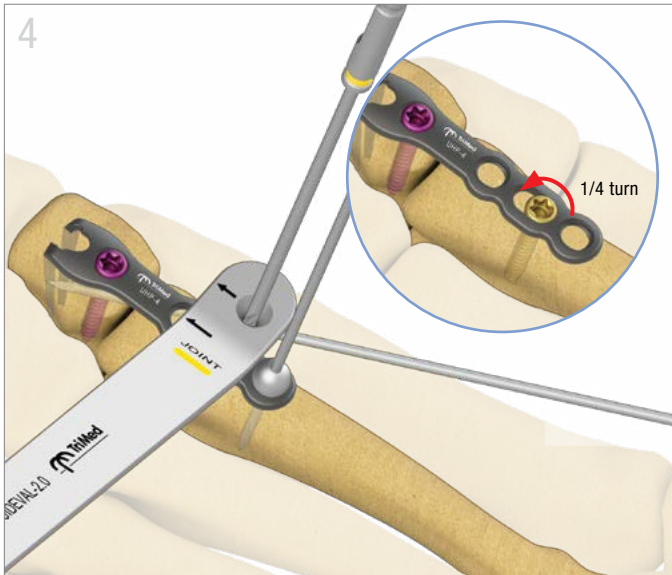
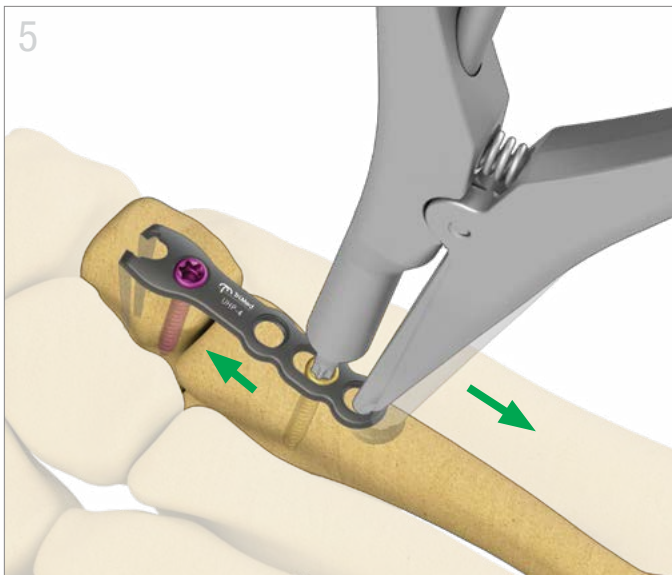


Plate Application on Distal Bone

- Position oblong drill guide in the slotted hole with the laser marked arrows pointing toward the joint.
- Drill a pilot hole for a bicortical **2.7mm or 3.5mm** non-locking screw.⁴
- Place and tighten an appropriately sized non-locking screw.
- Loosen the non-locking screw a **1/4** of a turn to allow the plate to slide underneath the screw head freely.
- Remove all K-Wires, olive wires, and plate tacks.

⁴ **Warning:** Do not use a **4.0mm** non-locking screw in the slotted hole.

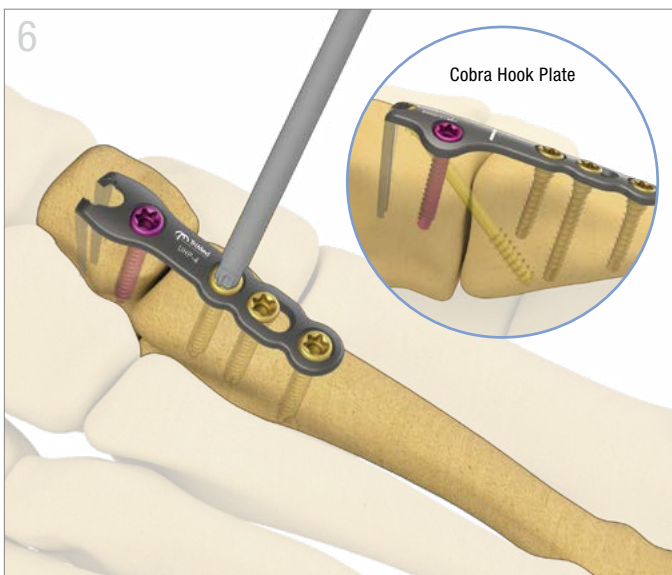


Surgeon-Controlled Compression

- Engage the driver tip of the Expander/Compression Tool with the socket of the screw in the slotted hole and the hook into the adjacent, distal hole.
- Gently squeeze the tool to apply the desired compression with one hand.⁵ Control the driver's position in the screw head socket with the other hand to avoid slippage of the driver from the screw head socket.
- Tighten the non-locking screw.⁶

⁵ **Note:** Maximum screw travel in the slotted hole is 2.5mm.

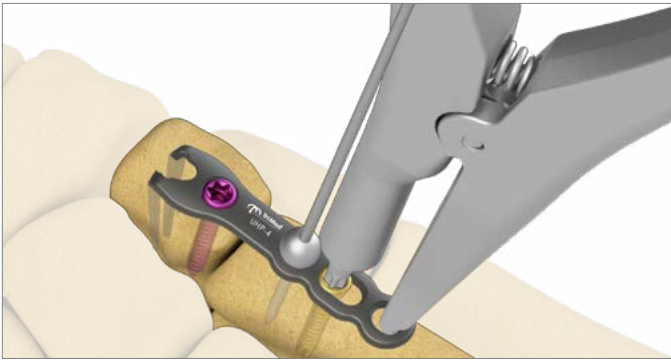
⁶ See **TIPS** for securing compression, if needed.



Final Fixation

- Insert remaining screws for final fixation.
- When using a Cobra Hook Plate, an additional lag/compression screw (3.0mm TriMed Small Headless Screw) can be placed from dorsal proximal to distal plantar in between the hooks across the TMT joint, for additional stability.
- Surgical closure should be performed per the surgeon's preferred technique.













TIPS



To Secure Compression Temporarily

Prior to releasing the Expander/Compression Tool from the compressed position, insert a K-wire or olive wire, if needed.

Screw Table

| |  |  |  |  |  |  |
|--------|--|---|--|---|--|---|
| | TRXC2.7-XX T | TRXV2.7-XX T | TRXC3.5-XX T | TRXV3.5-XX T | TRXC4.0-XX T | TRXV4.0-XX T |
| Length | 08-40mm * | 08-40mm * | 08-50mm * 50-60mm ** | 08-50mm * 50-60mm ** | 08-50mm * 50-60mm ** | 08-50mm * 50-60mm ** |
| Drill |  2.0mm (2.7mm Overdrill) |  2.0mm |  2.3mm (3.5mm Overdrill) |  2.3mm |  2.7mm (4.0mm Overdrill) |  2.7mm |
| Guide | GUIDEFPS-2.0/2.7 | GUIDEFPS-2.0 GUIDEVAL-2.0 | GUIDEFPS-2.3/3.5 | GUIDEFPS-2.3 GUIDEVAL-2.3 | GUIDEFPS-2.7/4.0 | GUIDEFPS-2.7 GUIDEVAL-2.7 |
| Driver | T15 | T15 | T15 | T15 | T15 | T15 |

* 2mm increments ** 5mm increments

Universal Hook Plate™

UHP-4
UHP-5

Cobra Hook Plate™

UHP-5W



Expander / Compression Tool

DVTX-15/180 AO
XPANDRT15
HNDL-QUICK

