



Restore. Regrow. Renew.

OSSIOfiber[®] Threaded Trimmable Fixation Nail

Surgical Technique Guide
Hand and Wrist System



Measure



Trim



Transform

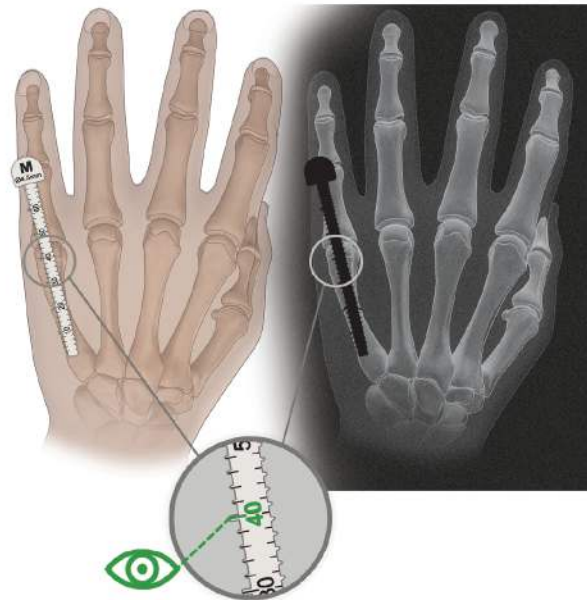


1 Measurement

- Using the standalone sizing guide, template metacarpal anatomy and confirm using fluoroscopic imaging adequate canal fit of the implant.

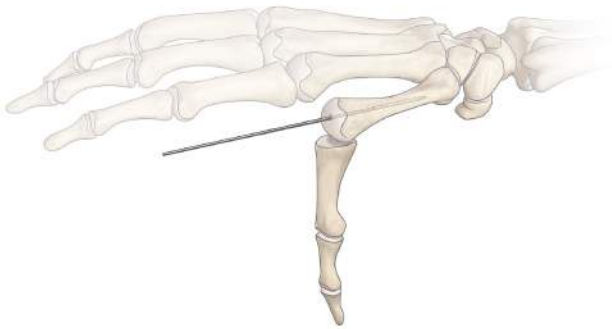
Tip: The implant might be too small if there is clearance between the implant threads and the metacarpal isthmus. The implant might be too large if the implant's core geometry overlaps with the isthmus outer wall.

- After verifying canal fit, measure the implant length using the length indicators on the sizing guide.



2 Positioning

- Place one of the provided 1.1mm k-wires centrally on the metacarpal head on the AP view, and in the dorsal one-third of the metacarpal head on the lateral view. Ensure the guide wire passes easily down the longitudinal axis of the metacarpal.



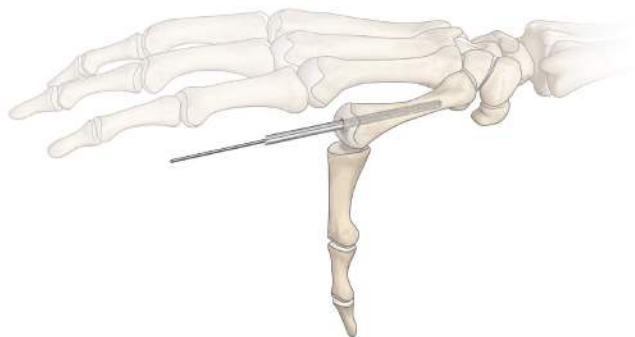
3 Drill Preparation

- Create the tunnel with the cannulated drill bit using the drill guide.

Tip: It is recommended to drill 5mm more than the determined implant length.

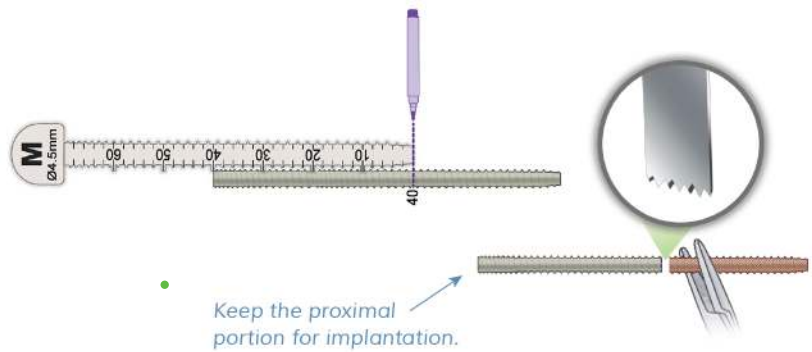
Note: Laser marks are provided on the distal end of the 3.9mm drill bit used with the 4.5mm threaded nails starting at 20mm and proceeding in 10mm increments to aid in measuring tunnel depth.

Note: The pilot hole should not exceed 4.0mm for the 4.5mm implant.



4 Implant Trimming

- Trim the implant to the previously determined length measurement. The implant should be trimmed, removing the distal conical tip of the implant.



5 Driver Calibration

- Press/hold the button to extend the hex driver shaft. Place the trimmed implant onto the hex driver and slide all the way until seated at the driver base. Press/hold the button and adjust the hex driver length to match the cut length.

Verify the final length of the adjustable driver by confirming the instrument's window reading matches the length of the trimmed implant.



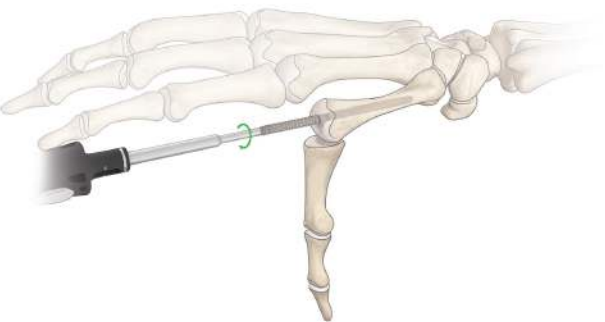
6 Implant Sharpening

- Reshape the distal end by inserting the implant (attached to the adjustable driver) into the provided implant sharpener.
- Providing axial force, turn the adjustable driver in a clockwise motion until there are no substantial material shavings being expelled from the implant sharpener. Once complete, the implant is ready for insertion.



7 Insertion

- Place the implant and adjustable driver over the previously positioned k-wire. Advance the implant until an adequate insertion depth is attained.



8 Confirmation

- Final implant location can be verified under fluoro by imaging with the adjustable driver still in place. The tip of the adjustable driver will represent the implant length and location.



Hand & Wrist Threaded Trimmable Fixation Nail Ordering Info

The OSSIOfiber® Threaded Trimmable Fixation Nail System includes one instrumentation kit and one implant.

Description	Product Code
OSSIOfiber® Threaded Trimmable Fixation Nail, 4.5 X 70 mm	OF1084570S
OSSIOfiber® Threaded Trimmable Fixation Nail, 4.5 X 70 mm System, H/W	OF2084510S
OSSIOfiber® Threaded Trimmable Fixation Nail Sizing Guide Pack	THN00480

Hand & Wrist Sterilized and Disposable Instrument Pack

- 1.1 mm K-wire (x2)
- Cannulated 3.9mm Drill Bit
- Implant Sharpener
- Adjustable Driver



Sizing Guides

- 4.5 mm
- 5.5 mm

Indications

The OSSIOfiber® Threaded Trimmable Fixation Nails are indicated for maintenance of alignment and fixation of bone fractures, comminuted fractures, fragments, osteotomies, arthrodesis, and bone grafts, of the upper extremity, fibula, knee, ankle and foot in the presence of appropriate brace and/or immobilization in adults and children (2-12 years) and adolescents (12-21 years) in which growth plates have fused or in which growth plates will not be crossed by fixation.

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Refer to the product Instructions for Use for warnings, precautions, indications, contraindications and technique.

Some products mentioned in this document may not be currently available or approved for sale in your country.

Speak to your local sales representative/distributor for product availability.

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