Restore. Regrow. Renew.

OSSIO*fiber*®
Small Compression Staples

Surgical Technique
For Akin Osteotomy Fixation

1 Osteotomy

- Using a surgical saw, create a medial closing wedge osteotomy of the proximal phalanx.

Optional: Reduce the osteotomy using a provided 1.4mm K-wire.

2 Bone Preparation

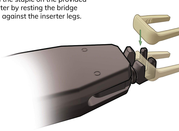
- Position drill guide across osteotomy site, and ensure drill guide teeth rest flush on the bone.
- Drill the proximal hole of the osteotomy site until the drilling tool reaches a positive stop after contacting the drill guide.
- Leave drilling tool in place after drilling to maintain positioning.

Use first drilling tool as a pivot point to position the drill guide for optimal drilling of the distal hole.

- Drill the second hole using the technique stated previously.

3 Staple Loading

- Load the staple on the provided inserter by resting the bridge flush against the inserter legs.



4 Staple Distraction

- Hold the inserter to allow visualization of markings.

  Turn the inserter handle in a *clockwise* motion to open the staple legs.

  The inserter will reach a positive stop, and an audible click will be heard.

- Ensure the *Open* staple indicator on the inserter lines up with the vertical line marking on the handle.

5 Drilling Tool Removal

- Remove drilling tools from osteotomy site.
- Maintain position of drill guide if using windows technique for insertion.

Optional Window Technique

- While holding the drill guide in position, insert the distal ends of the staple implant into the "windows" (openings) on the drill guide sleeves.

- Remove the drill guide, and place the inserter into position for insertion.

6 Staple Insertion

- Provide axial hand force on the handle to insert the staple.

7 Inserter Removal

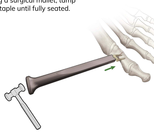
- Once adequate initial insertion is achieved, rotate the handle *counter-clockwise* in the direction of the *Release* indicator.

  The inserter will reach a positive stop, and an audible click will be heard.

- Remove the inserter, following the direction of the arrow on the side of the inserter near the legs.

8 Implant Seating

- Remove any temporary fixation at this time.
- Place the end of the tamp flush to the bridge of the staple, covering the width of the implant.
- Using a surgical mallet, tamp the staple until fully seated.



9 Final Placement

OSSIO*fiber*® Compression Staple Ordering Information

OSSIO*fiber*® Compression Staple Systems

The staple system includes one instrumentation kit and one implant.

Description	Product Code
OSSIO*fiber*® Compression Staple System, 9 X 10 mm	OF2060910S
OSSIO*fiber*® Compression Staple System, 11 X 10 mm	OF2061110S

OSSIO*fiber*® Compression Staples

Description	Product Code
OSSIO*fiber*® Compression Staple System, 9 X 10 mm	OF1060910S
OSSIO*fiber*® Compression Staple System, 11 X 10 mm	OF1061110S

Sterile, Disposable, Instrumentation System

Streamline OR preparation and reduce unnecessary exposure to pathogens with the use of sterile, disposable, instrumentation

- 1.4mm K-wire x 2
- Drilling tools x2
- Drill guide
- Inserter
- Tamp

Indications

The OSSIO*fiber*® Compression Staples are indicated for fixation of arthrodesis, osteotomies, and fractures in hand or foot surgery in the presence of appropriate brace and/or immobilization. The number and size of the OSSIO*fiber*® Compression Staples must be adapted to the indication.

1. Data on file at OSSIO

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

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