

**EXTREMITY®**  
MEDICAL

**IO Freedom™**

Fusion Fixation



**IO Fix™ 2.0**

Fusion Fixation

# IO Platform

Advanced intraosseous fusion fixation for challenging foot and ankle pathologies.

# X-Post Technology

IO Platform constructs are designed to maintain a **zero-profile** design, reducing soft tissue irritation and minimizing the need for hardware removal. Being fully intraosseous with little to no prominent hardware profile, postoperative discomfort is significantly reduced—enhancing patient outcomes and satisfaction.

The **reinforced metallic bone bridge** allows the screw to lag against a stable surface, providing added stability and higher peak compression in compromised bone.



## Superior Strength and Stability

Biomechanical testing reveals increased compressive forces with IO FiX 2.0 and IO Freedom compared to independently placed lag screws.

## Measured Compression



IO Freedom

IO FiX 2.0

Lag Screw

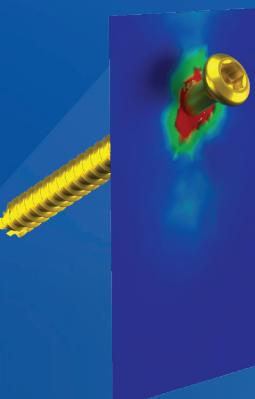
## Uniform Compression Distribution

Unlike traditional lag screw techniques that provide compression along the screws axis, the IO Platform disperses forces across the entire joint surface, helping prevent plantar gapping and promoting optimal fusion.

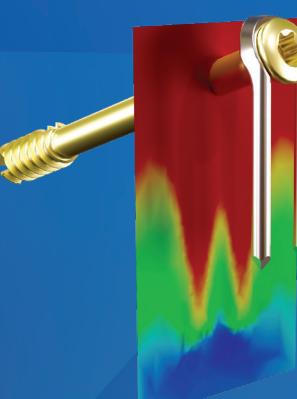
Force Distribution  
Finite Element  
Analysis



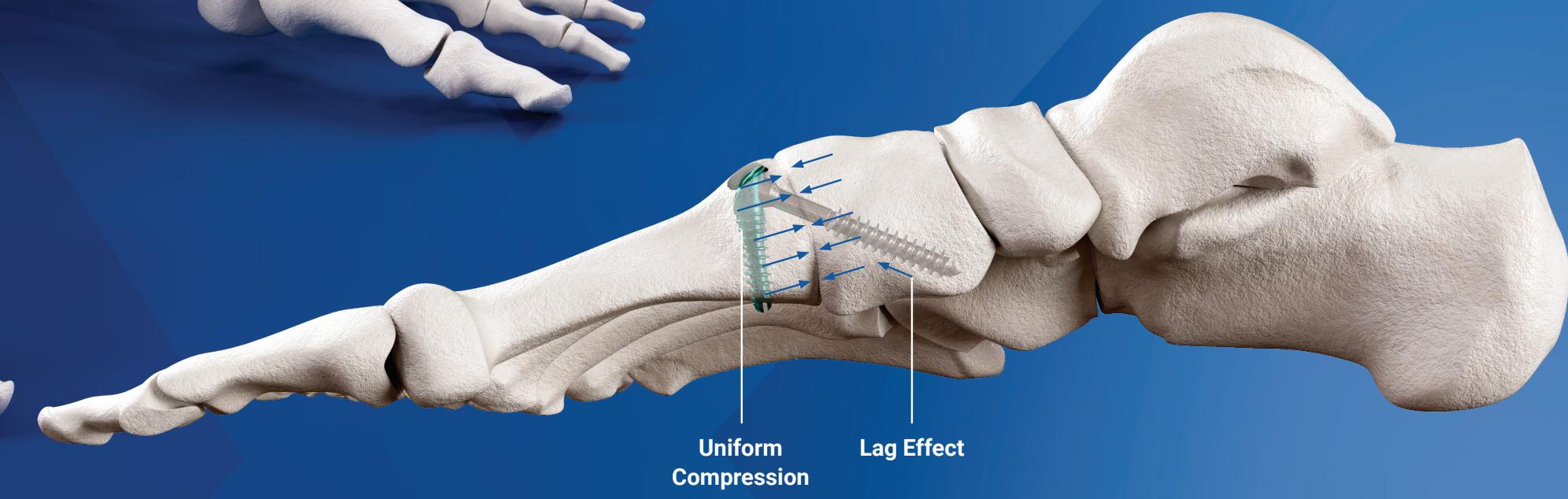
Lag Screw  
Force Distribution



IO Freedom  
Force Distribution



IO FiX 2.0  
Force Distribution



## Two Innovative Options – One Intelligent System

IO FiX 2.0 and IO Freedom offer distinct yet complementary surgical techniques, designed to accommodate varying clinical needs and surgeon preference.

### IO Freedom™

Fusion Fixation

#### IO Freedom – Screw First Technique

- Non-locking, flexible post placement
- Variable angle post placement (55–80°)
- Minimal bone removal

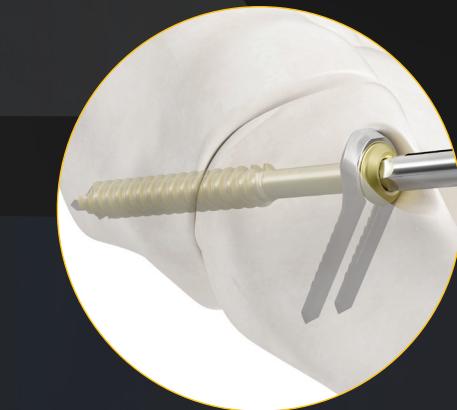
For a comprehensive description of IO Freedom system components, technique steps, and intended use, please refer to the surgical technique guide (LBL-147-99101).



Insert Lag Screw  
in desired trajectory



Insert Post  
over Screw



Final Tightening  
of Lag Screw

### IO Fix™ 2.0

Fusion Fixation

#### IO FiX 2.0 – Post First Technique

- Morse taper locking capability
- Post and screw are fixed at a 60° angle
- Ideal for consistent, predictable applications

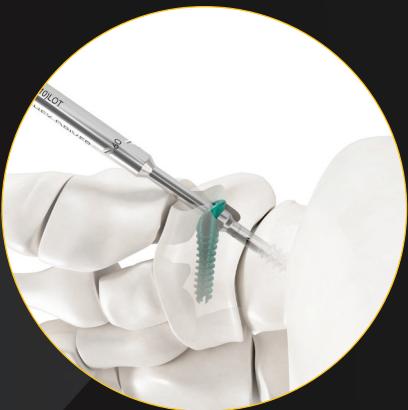
For a comprehensive description of IO FiX 2.0 system components, technique steps, and intended use, please refer to the surgical technique guide (LBL-118-99402).



Pre-plan trajectory  
of Post and Lag Screw



Insert Post



Insert Lag Screw



## Discover the Difference: IO FiX 2.0 vs. IO Freedom

Compression Profiles, Construct Options, Techniques, and Indications Compared.

Product Features	IO FiX 2.0	IO Freedom
<b>Zero Profile</b>	X	X
<b>Uniform Compression</b>	X	X
<b>Plantar-Side Compression</b>	X	X
<b>Reinforced Bone Bridge</b>	X	X
<b>Modular Design</b>	X	
<b>Locking Construct</b>	X	
<b>Non-Locking Construct</b>	X	X
<b>Flexibility for Post Placement</b>	26° cone of angulation (non-locking only)	55-80° flexibility of post
<b>General Technique</b>	Post first with Pre-planning of Lag Screw	Lag Screw first - flexible post placement
<b>Recommended Indications*</b>	Lapidus, TN Arthrodesis, CC Arthrodesis, NC Arthrodesis	Lapidus, MTP Arthrodesis, Ankle Arthrodesis, TN Arthrodesis, Lesser TMT Arthrodesis

\*IO FiX 2.0 and IO Freedom are cleared for all small bones and joints of the foot and ankle, appropriate for the size of the device.

## Product Specifications at a Glance: IO FiX 2.0 vs. IO Freedom

Explore the full range of available sizes and key specifications to find the ideal fit for your surgical needs.

Implant Specification	IO FiX 2.0	IO Freedom
<b>Post Size Options</b>	Small (4.5mm) Medium (6.5mm)	3.5mm 4.5mm 6.5mm
<b>*Lag Screw Size Options</b>	4.3mm Locking (26-50mm) 5.0mm Locking (26-50mm) 4.5mm Non-Locking (26-50mm)	3.5mm Non-Locking (20-50mm ST, 30-50mm LT) 4.5mm Non-Locking (30-60mm ST, 20-60mm LT) 6.5mm Non-Locking (40-110mm ST, 40-110mm LT) ST = short thread; LT = long thread
<b>Lag Screw Thread Options</b>	Long thread only	Long and short thread options

\*Select sizes are not standard in the set.





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