

## A New Standard For Metacarpal Fracture Fixation

### DESIGNED TO REVOLUTIONIZE HAND SURGERY

- Dramatic reduction in procedure time compared to other solutions
- Rapid return to activity for the patient
- No immobilization required
- Minimally invasive with no secondary procedure
- Reduced patient follow-up
- Reduced global cost of care

### INDICATIONS FOR USE

The ExsoMed INnate System is intended for fixation of intra-articular and extra-articular fractures and non-unions of small bones and small bone fragments; arthrodesis of small joints; bunionectomies and osteotomies, including scaphoid and other carpal bones, metacarpals, tarsals, metatarsals, patella, ulnar styloid, capitellum, radial head and radial styloid.

The INnate System is provided sterile. The implant is manufactured from stainless steel and is offered in 3.6mm (designed for the 4<sup>th</sup> metacarpal, however, please measure) and 4.5mm diameters. The implants are provided with a separate disposable instrument kit specific to the implant diameter.

### DESIGN RATIONALE

INnate is an intramedullary threaded nail designed specifically for metacarpal fractures to provide surgeons with a reliable solution through a simple, minimally invasive approach. The robust length offering with a differential diameter design is intended to accurately fit the intramedullary canal and to create stable fixation and precise reduction for all types of metacarpal fractures.

### MULTIPLE METACARPAL CASE REPORT

Patient: 18-year-old high school senior lacrosse player who fractured three of his metacarpals in a collision during a game.

Pre-op



Intra-op



Post-op

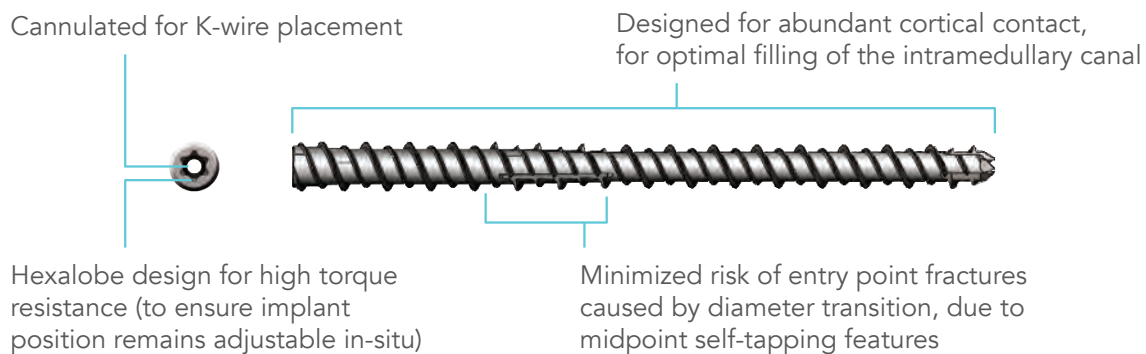


### TREATMENT OVERVIEW

The INnate intramedullary threaded nail was inserted through a cannulated technique for precise reduction of the metacarpal fractures. The threaded nail design is intended to provide rigid fixation and immobilization while avoiding over-compression of fractures. After sizing, the surgeon selected 4.5mm diameter INnate implants with 45mm length for the 5<sup>th</sup> and 4<sup>th</sup> metacarpals and 50mm for the 3<sup>rd</sup>. Additional nerve, tendon, muscular, and arterial surgical repairs were also completed. Visit [exsomed.com](http://exsomed.com) for more details and testimonials.

## WHY USE INNATE?

- Multiple lengths for treatment of various shapes and sizes of small bones: available in stepped 3.6/3.2mm and 4.5/4.0mm diameter; both sizes available in lengths of 35mm, 40mm, 45mm, 50mm, and 55mm; 3.6/3.2mm diameter also available in lengths of 25mm and 30mm; 4.5/4.0mm diameter also available in lengths of 65mm and 75mm
- Large implant diameter is designed to fill the IM canal and facilitate early, active mobilization post operative protocols for accelerated healing and earlier return to work/activity
- Non-compression design avoids shortening in oblique or comminuted fractures
- Threads designed for circumferential cortical purchase in the medullary canal
- Dual diameter design to allow passage through the isthmus while maintaining purchase in the head
- Fast lead for surgical efficiency

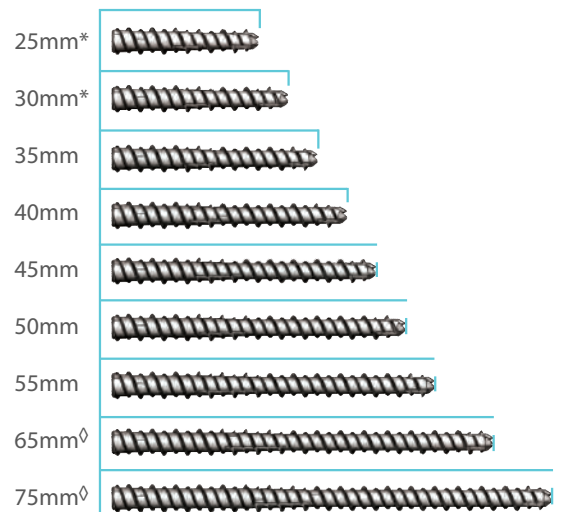


### INnate Sterile Implants Sizing, 3.6mm (Recommended for the 4<sup>th</sup> metacarpal)

EXINN923625	INnate Implant, 3.6 x 25mm
EXINN923630	INnate Implant, 3.6 x 30mm
EXINN923635	INnate Implant, 3.6 x 35mm
EXINN923640	INnate Implant, 3.6 x 40mm
EXINN923645	INnate Implant, 3.6 x 45mm
EXINN923650	INnate Implant, 3.6 x 50mm
EXINN923655	INnate Implant, 3.6 x 55mm

### INnate Sterile Implants Sizing, 4.5mm

EXINN924535	INnate Implant, 4.5 x 35mm
EXINN924540	INnate Implant, 4.5 x 40mm
EXINN924545	INnate Implant, 4.5 x 45mm
EXINN924550	INnate Implant, 4.5 x 50mm
EXINN924555	INnate Implant, 4.5 x 55mm
EXINN924565	INnate Implant, 4.5 x 65mm
EXINN924575	INnate Implant, 4.5 x 75mm



\* 25mm and 30mm lengths only available in 3.6mm diameter  
 ◇ 65mm and 75mm lengths only available in 4.5mm diameter

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