



InFrame™

A New Standard for Phalanx Fracture Fixation

DESIGNED TO REVOLUTIONIZE HAND SURGERY

Early Active Mobilization

- Specifically sized for the phalangeal intramedullary canal to facilitate early, active mobilization post-op protocols for faster return to daily activities

Stable Fixation

- 2.0mm diameter design allows various implantation constructs, providing superior rotational and bending stability, cortical bone purchase, and intramedullary fit

Simple, Precise Placement

- Innovative delivery mechanism via the dual diameter guidewire eliminates the need for a dedicated reamer, simplifying a more precise implant placement

Maintain Anatomic Length

- Fully threaded, non-compressive design to prevent shortening in oblique or comminuted fractures

INDICATIONS FOR USE

The ExsoMed InFrame cannulated micro nail 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.

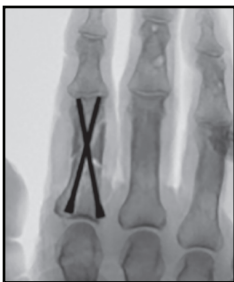
The implant is manufactured from stainless steel and is offered in a 2.0mm diameter. The implants are provided sterile packaged while a separate sterile packaged instrument kit provides the tools for implantation.

DESIGN RATIONALE

The InFrame System is an intramedullary micro nail with a unique delivery mechanism, specifically designed by hand surgeons to address phalangeal fractures through a simple, minimally invasive approach. The 2.0mm diameter design and robust length offering allow various stable constructs to accurately fit the intramedullary canal.

BENCH TEST DATA COMPARISON

Operative Goal: Stable fixation to support early mobilization with ease of use and minimal soft tissue damage.



InFrame "X" Construct



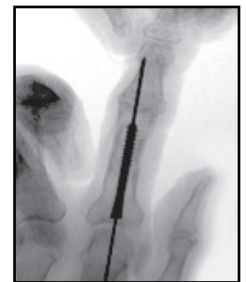
InFrame "V" Construct



Crossed K-wires (0.045")



Dorsal/Lateral Plates/Screws



Headless Compression Screw

APEX VOLAR 4-POINT BENDING AND TORSION MODEL RESULTS

InFrame had superior construct stability compared to traditional approaches for proximal phalanx fractures.

Comparatively, InFrame provided 97% more bending stability and 341% more rotational stability than 2 crossed 0.045" K-wires; 473% more bending stability and 166% more rotational stability than dorsal plates and screws; 91% more bending stability and 98% more rotational stability than lateral plates and screws; and 48% more bending stability and 1,533% more rotational stability than headless compression screws.

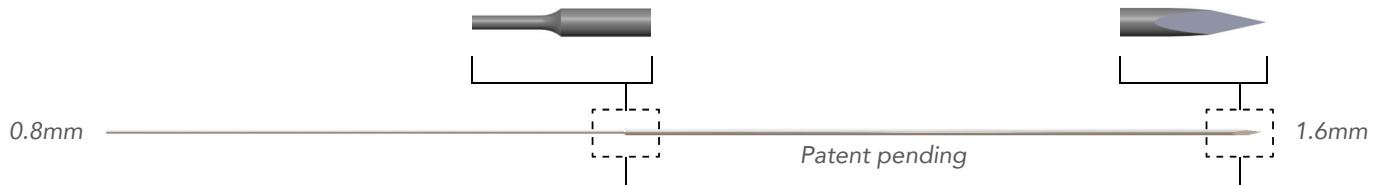
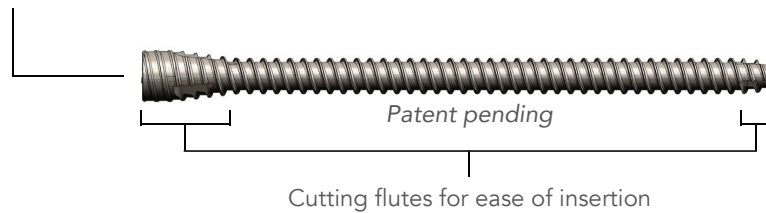
EXSOMED™
Innovations in Hand Surgery

WHY USE INFRAME?

- Multiple lengths for treatment of various fracture patterns: available in a 2.0mm diameter with lengths of 12-48mm (2.0mm increments)
- Specifically sized implants with intramedullary cortical thread engagement to facilitate early, active mobilization
- Non-compression design avoids shortening in oblique or comminuted fractures
- Fully threaded to achieve abundant cortical and cancellous bone purchase in the intramedullary canal
- Dual diameter guidewire designed to eliminate the need for a dedicated reamer

Fully threaded, non-compression design to maintain anatomic length

Cannulated for simple and accurate placement



Unique dual diameter guidewire removes the need for a dedicated reamer and simplifies a more precise placement

Aggressively angled trocar tip for trajectory maintenance through cortical bone

INFRAME STERILE PACKAGED IMPLANTS, 2.0MM

EXINF922012	InFrame Implant, 2.0 x 12mm
EXINF922014	InFrame Implant, 2.0 x 14mm
EXINF922016	InFrame Implant, 2.0 x 16mm
EXINF922018	InFrame Implant, 2.0 x 18mm
EXINF922020	InFrame Implant, 2.0 x 20mm
EXINF922022	InFrame Implant, 2.0 x 22mm
EXINF922024	InFrame Implant, 2.0 x 24mm
EXINF922026	InFrame Implant, 2.0 x 26mm
EXINF922028	InFrame Implant, 2.0 x 28mm
EXINF922030	InFrame Implant, 2.0 x 30mm
EXINF922032	InFrame Implant, 2.0 x 32mm
EXINF922034	InFrame Implant, 2.0 x 34mm
EXINF922036	InFrame Implant, 2.0 x 36mm
EXINF922038	InFrame Implant, 2.0 x 38mm
EXINF922040	InFrame Implant, 2.0 x 40mm
EXINF922042	InFrame Implant, 2.0 x 42mm
EXINF922044	InFrame Implant, 2.0 x 44mm
EXINF922046	InFrame Implant, 2.0 x 46mm
EXINF922048	InFrame Implant, 2.0 x 48mm

