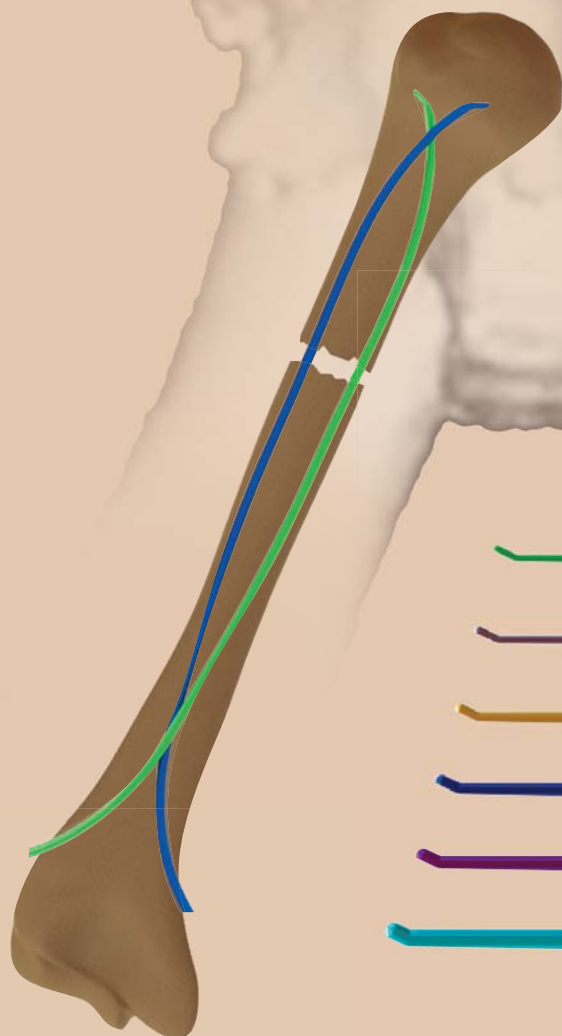# FLEX NAIL ™

TITANIUM / STAINLESS STEEL

Flexible nails are designed for fixation of diaphyseal fractures

Adult Humerus

Green — Ø2.0 mm

Purple — Ø2.5 mm

Yellow — Ø3.0 mm

Blue — Ø3.5 mm

Fucshia — Ø4.0 mm

Teal — Ø5.0 mm

Fx *SOLUTIONS*

INTENDED USE / INDICATIONS

The FLEX NAIL elastic nail is designed to treat long bone fracture in the upper limb (adults).
The implants may be used temporarily or permanently in the following situations :
• Osteosynthesis of displaced fractures with small osteoarticular fragments of bones
• Fixing open or closed fractures .

The choice of diameter, length and whether or not to use a anti- migration block stop is at the discretion of the surgeon depending on the fracture type and the patient anatomy.

FLEX NAIL elastic nails are designed to hold a fracture together until bone consolidation.

Contra-indications

• Local or systemic , acute or chronic infections
• Severe neurological or vascular muscular deficiencies
• Bone destruction or poor bone quality may affect the strength of the device
• Excessive alcohol consumption or other addictive disorders
• Allergy to the material
• Any concomitant disease may affect the operation of the device

WARNINGS AND PRECAUTIONS

Unless otherwise indicated, instrument sets are sold non-sterile and must be completely cleaned and sterilized before use.
Instruments must not undergo accelerated autoclave sterilization inside the instrument box.
Accelerated autoclave sterilization of individual instruments has not been validated by the manufacturer.

Please consult the instrument package insert for validated sterilization instructions and the implant package insert for a complete list of warnings, precautions, contraindications and adverse events.
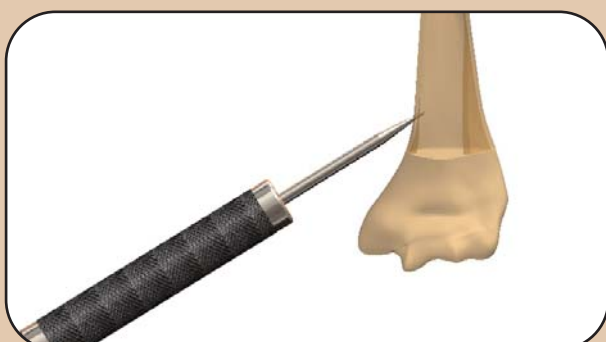
SURGICAL TECHNIQUE
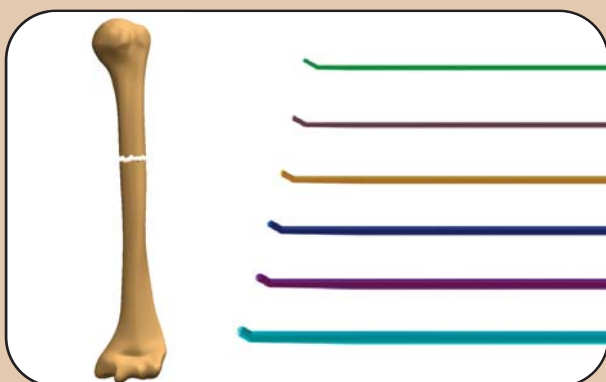
Preparation:
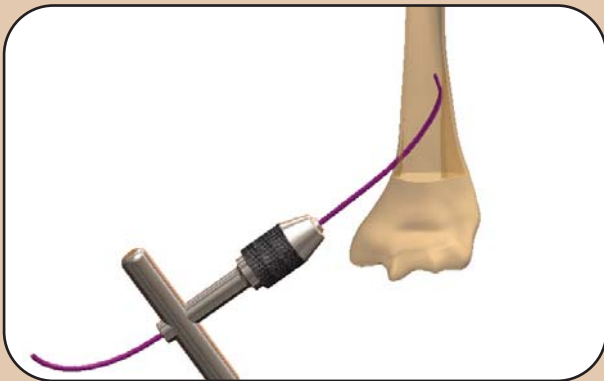
Reduce the fracture.
Choose appropriate nails.
Bend the nails in the same direction as the spatula's curve.
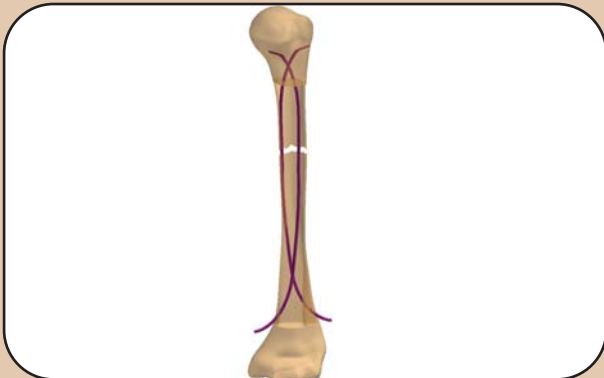

Metaphyseal incision:

Make the incision at the metaphyseal cortex.
Using the square awl, drill a hole with oblique angle approximately 1 cm above.

Nail introducing:

Use the T-handle chuck to introduce the nail into the medullary canal as far as the fracture site.
Push the nail after the fracture site and continue to the opposite part.

Second nail positioning:

A minimum of two nails are required to stabilize the fracture.
Repeat the same procedure to insert a second nail through the opposite cortex with an opposite curve pattern.
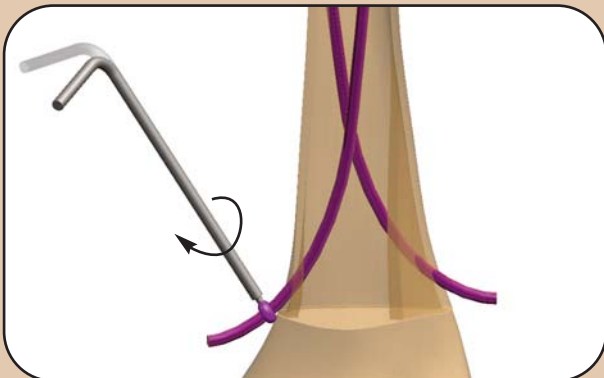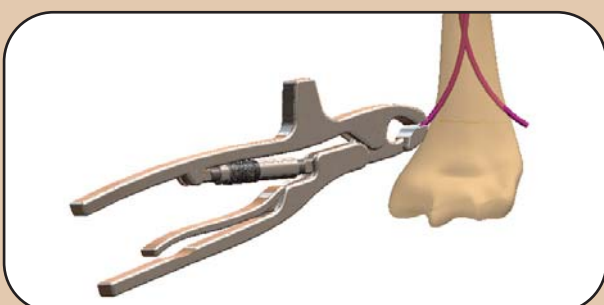
Blockstop*:

Place the appropriate blockstop on the exposed nail tip.
Once the blockstop is placed, screw the key until it breaks.
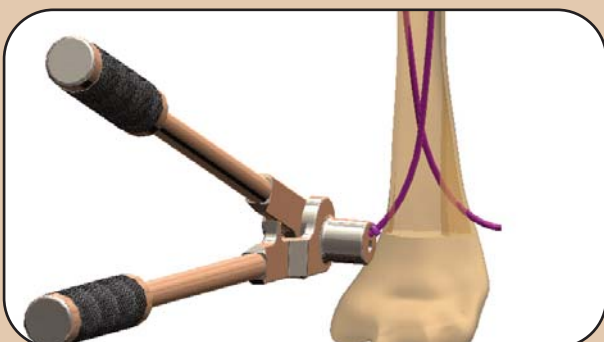
Nail cutting:

Bend the exposed portion of the Flex Nail until it is perpendicular to the bone.
Use the pin cutter, cut the exposed nail near the surface of the bone, or near the blockstop.

Nail extraction:

Once the fracture has healed, remove the blockstop and extract the Flex Nail using the locking pliers.

IMPLANTS

TITANIUM
FX221.200	Flex nail Ø2.0 mm L=450 mm
FX221.250	Flex nail Ø2.5 mm L=450 mm
FX221.300	Flex nail Ø3.0 mm L=450 mm
FX221.350	Flex nail Ø3.5 mm L=450 mm
FX221.400	Flex nail Ø4.0 mm L=450 mm
FX221.500*	Flex nail Ø5.0 mm L=450 mm

STAINLESS STEEL*
FX220.200	Flex nail Ø2.0 mm L=450 mm
FX220.250	Flex nail Ø2.5 mm L=450 mm
FX220.300	Flex nail Ø3.0 mm L=450 mm
FX220.350	Flex nail Ø3.5 mm L=450 mm
FX220.400	Flex nail Ø4.0 mm L=450 mm
FX220.500	Flex nail Ø5.0 mm L=450 mm

BLOCK STOP*
FX213.000	Blockstop Ø2.0 mm Sterile
FX213.002	Blockstop Ø2.5 mm Sterile
FX213.004	Blockstop Ø3.0 mm Sterile
FX213.006	Blockstop Ø3.5 mm Sterile
FX213.008	Blockstop Ø4.0 mm Sterile
FX213.010	Blockstop Ø5.0 mm Sterile

* on request

INSTRUMENTS

FX622.124	T-handle chuck inserter
FX622.126	Locking pliers
FX622.125	Nail cutter
FX622.127	Triangular awl
FX622.114	Upper implant tray
FX622.110	Complete instrumentation set

Avoid migration
Easy extraction
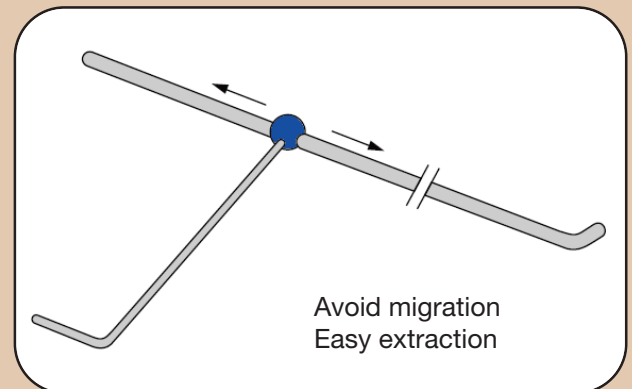
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