Flexible nails are designed for fixation of diaphyseal fractures

- **Adult Humerus**

- **Pediatric Femur**

- **Pediatric Tibia**

<table>
<thead>
<tr>
<th>Size</th>
<th>Color</th>
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<tbody>
<tr>
<td>Ø2.0 mm</td>
<td>Green</td>
</tr>
<tr>
<td>Ø2.5 mm</td>
<td>Purple</td>
</tr>
<tr>
<td>Ø3.0 mm</td>
<td>Yellow</td>
</tr>
<tr>
<td>Ø3.5 mm</td>
<td>Blue</td>
</tr>
<tr>
<td>Ø4.0 mm</td>
<td>Fucshia</td>
</tr>
<tr>
<td>Ø5.0 mm</td>
<td>Teal</td>
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**INDICATIONS**

FLEX NAIL™ are specifically designed for fixation of diaphyseal fractures when the medullary canal is narrow or flexibility of the implant is paramount:

- **Pediatric upper and lower long bones**
  *Femur, Tibia, Humerus*

- **Adult upper long bones**
  *Humerus*

**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.
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.

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

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.

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

### Stainless Steel
- **FX220.200**: Flex nail Ø2.0mm L=450mm
- **FX220.250**: Flex nail Ø2.5mm L=450mm
- **FX220.300**: Flex nail Ø3.0mm L=450mm
- **FX220.350**: Flex nail Ø3.5mm L=450mm
- **FX220.400**: Flex nail Ø4.0mm L=450mm
- **FX220.500**: Flex nail Ø5.0mm L=450mm

### Block Stop
- **FX213.000**: Blockstop Ø2.0mm Sterile
- **FX213.002**: Blockstop Ø2.5mm Sterile
- **FX213.004**: Blockstop Ø3.0mm Sterile
- **FX213.006**: Blockstop Ø3.5mm Sterile
- **FX213.008**: Blockstop Ø4.0mm Sterile
- **FX213.010**: Blockstop Ø5.0mm 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

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**Avoid migration**
**Easy extraction**