



Zimmer®  
Natural Nail™  
System



Patient Fit is Now an Option

## Taking IM nailing to the next level

The *Zimmer® Natural Nail™* System is a next generation system of intramedullary nails that is designed to help restore the shape of the fractured long bone to its natural, pre-injured state. The comprehensive system comprises intuitive instrumentation and a large choice of anatomical implants. The nails feature versatile locking hole options including the new *Zimmer Stabilize Technology*. With the *Zimmer Natural Nail System* surgeons have the opportunity to achieve stable internal fixation on a wide range of patients and fracture patterns as well as to accommodate their surgical preferences.



- A wide range of anatomical implant shapes and sizes provide a precise and anatomical fit
- Advanced *Zimmer Stabilize Technology* creates robust nail–screw–bone construct
- Intuitive instruments allow simplified and repeatable procedures

## Anatomical fit

- Bows in femoral nails correspond to nail length, reflecting the anterior femoral bow relative to patient height
- Nail tips are designed to help the passage of the nail through the medullary canal
- Left and right versions available for antegrade femur and cephalomedullary nails
- Fluted design moderates stiffness and facilitates easier nail placement



## Enhanced fixation, even in poor bone quality

- Exclusive *Zimmer Stabilize* Technology links the nail to interlocking screws to create an advanced construct. This interface helps secure the nail, which aids in controlling rotation, alignment and length
- Deep screw threads provide for optimized bone purchase
- Screw hole placement is optimized to allow long screws to be placed in the very distal or proximal section of the bone, while protecting joint surfaces



## Intuitive instruments encourage consistency and accuracy

- Specific color coding system for each nail type, instrument size, drill and screw diameter makes use of the system intuitive
- Ergonomic handles for control during implant placement
- Flexible and curved instruments which facilitate the clinical approach
- Simplified technique requires no extra steps for *Zimmer Stabilize Technology* freehand screws



# Cephalomedullary Nails

## Long Nail

- Versatile distal hole options with *Zimmer Stabilize Technology*
- Anatomic anterior bows varying with the nail length
  - 30–34 cm – 1.3 m
  - 36–40 cm – 1.4 m
  - 42–48 cm – 1.5 m
- 4° proximal lateralization angle and 15° anteversion
- Spiral flutes moderate stiffness and facilitate nail placement
- Anterior bevel on tip
- Left and right versions available to fit the medullary canal
- 15.5 mm proximal head minimizes the diameter of the required opening hole

## Short Nail

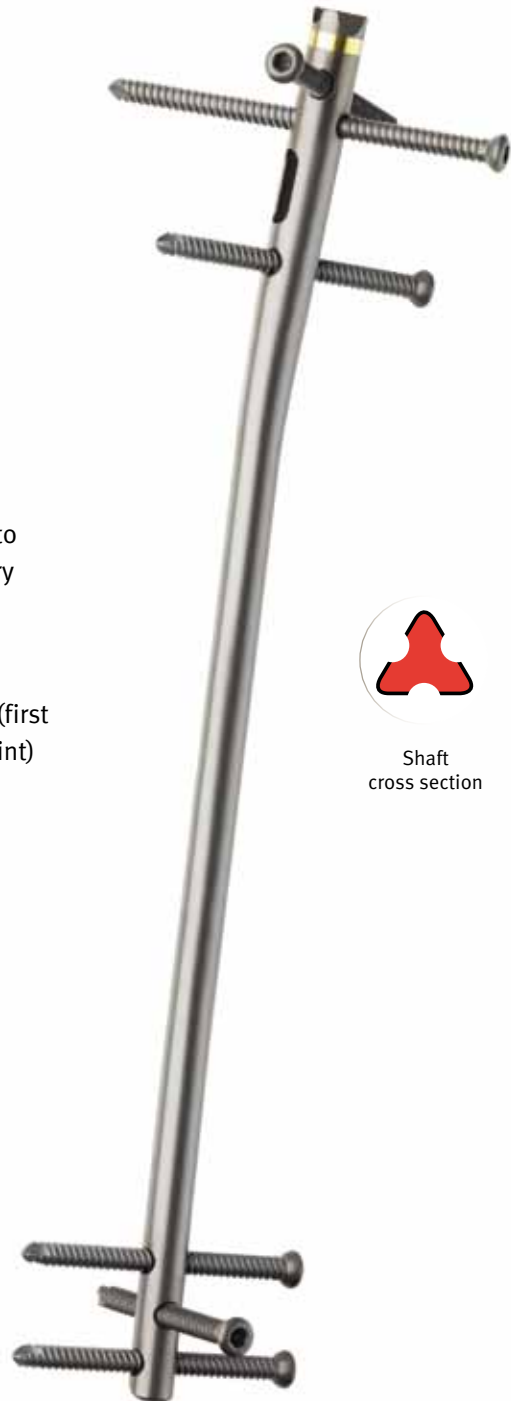
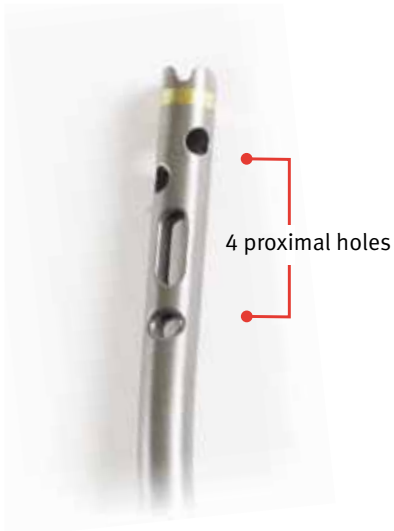
- Anterior bow radius – 1.3 m
- Clothes pin tip to help reduce stress
- 4° proximal lateralization angle and 15° anteversion
- Left and right versions available to fit the medullary canal
- 15.5 mm proximal head minimizes the diameter of the required opening hole





## Tibial Nails

- Versatile hole options with the *Zimmer Stabilize Technology* to treat a wide range of injuries, including very proximal and very distal fractures
- Guides allow for nailing in both extension and flexion
- Specific screw trajectories to help capture best quality bone (first screw descends with joint, second screw ascends towards joint)
- Very proximal Herzog bend (10°) to help facilitate nail entry
- Distal bow ~2° to help facilitate nail entry and distal fit
- 90-90 distal construct to provide rotational stability



## Antegrade Femoral Nails

- Versatile hole options with the *Zimmer Stabilize Technology* to treat a wide range of injuries, including very proximal and very distal fractures
- Recon or interlocking options
- 15° of anteversion for recon screws
- Anatomic anterior bows varying with the nail length
  - 24–34 cm — 1.3 m
  - 36–42 cm — 1.4 m
  - 44–48 cm — 1.5 m
- Specific nails for different entry points (greater trochanter and piriformis fossa)
- Greater Trochanter nail has 3.1° lateralization



## Retrograde Femoral Nails

- Versatile hole options with the *Zimmer Stabilize Technology* to treat a wide range of injuries, including distal femur fractures
- Standard transverse or advanced oblique locking options – oblique holes target bone in posterior condyles
- Anatomic anterior bow of 1275mm (50 inches) for all lengths
- Short and long nails available
- Distal bend of 5° to help facilitate nail insertion and distal fit
- Specific screw trajectories proximally for short and long nails
  - Short: 3 proximal screw holes - M/L Hole, M/L Slot, M/L Hole
  - Long: 2 proximal screw holes - A/P Hole, A/P Slot

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