



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

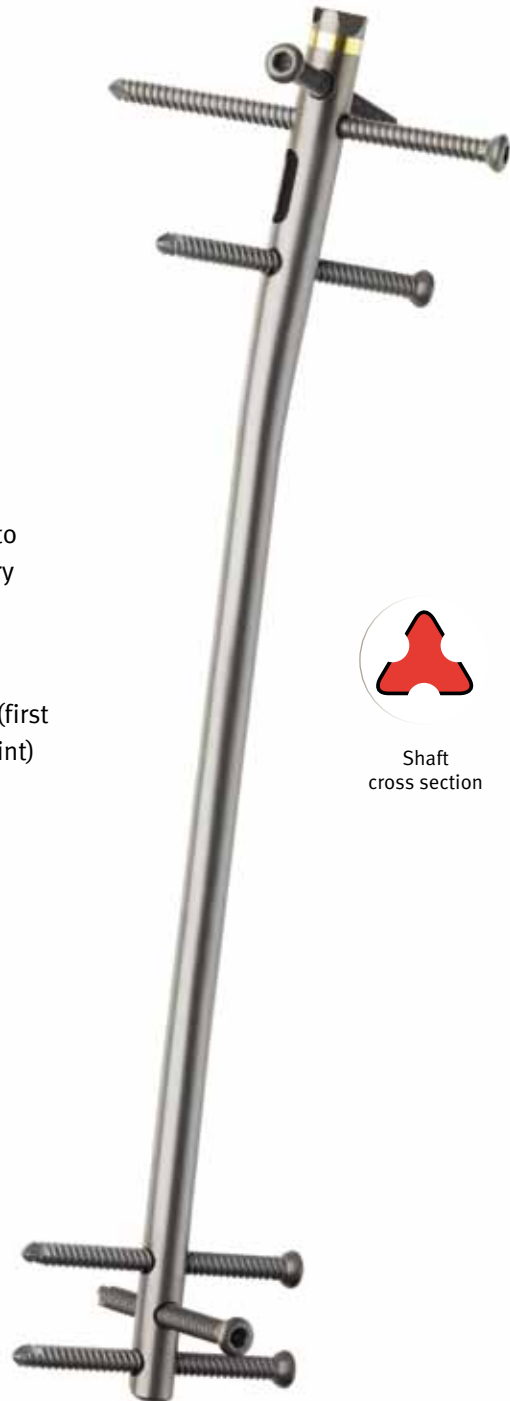
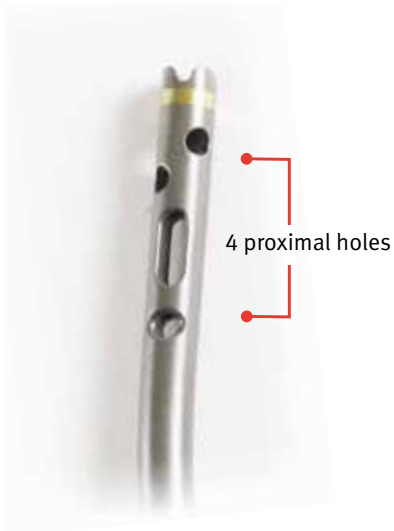
- Anterior bow radius – 1.3 m
- Clothes pin tip to help reduce stress
- 4° proximal lateralization angle and 15° anteversion
- Left and right versions available to fit the medullary canal
- 15.5 mm proximal head minimizes the diameter of the required opening hole





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



Shaft
cross section

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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