

INTERLOCKING INTRAMEDULLARY NAIL SYSTEM

BEST TREATMENT BRINGS WONDERFUL LIVES

Betta Medical Technology (Wuxi) Co., Ltd.



Add : Zone B, 1st Floor of No.7 Building
Area C, No.1699 Huishan Ave Huis-
han Economic Development Zone
214174 Wuxi, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Tel : +86-510-83588388



FEMUR NAIL

CATALOGUE

Femur Nail

Tibia Nail

Humerus Nail

Femoral Nail

Type II Gamma (Y) Nail

Type III Gamma (Y) Nail

Radius Nail

Ulna Nail

Fibula Nail



Indications

- Standard locking: Femur shaft fracture
- Reconstruction locking: Ipsilateral femoral neck combined femoral shaft fracture, high subtrochanteric fracture

Product Features

- Anatomical main nail design
- Stable multi-plane locking
- Reliable remote aiming technology
- Oval hole design allows postoperative motorization
- Cannulated design, convenient operation during Surgery, saving time of Surgery
- Titanium alloy material, providing excellent mechanical properties and biocompatibility

Dia	Length	Cannulated/Solid
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated
Ø8mm	240mm	Cannulated



TIBIA NAIL



Indications

- Tibia shaft fractures
- Tibia metaphysis fractures
- Partial tibia plateau fractures and PILON fractures

Product Features

- Proximal and distal multi-plane locking nails provide fixed stability
- It is suitable for the fixation of various types of metaphyseal and intra-articular fractures
- The long oval hole design of the main nail allows controllable pressure during the operation and dynamization after the operation
- Titanium alloy material, providing excellent mechanical properties and biocompatibility
- Hollow design, convenient operation during operation, saving operation time

Dia	Length	Cannulated/Solid
Ø9.5mm	340mm	Cannulated
Ø9.5mm	360mm	Cannulated
Ø9.5mm	380mm	Cannulated
Ø9.5mm	400mm	Cannulated
Ø9.5mm	340mm	Cannulated
Ø9.5mm	360mm	Cannulated
Ø9.5mm	380mm	Cannulated
Ø9.5mm	400mm	Cannulated
Ø9.5mm	420mm	Cannulated
Ø9.5mm	340mm	Cannulated
Ø9.5mm	360mm	Cannulated
Ø9.5mm	380mm	Cannulated
Ø9.5mm	400mm	Cannulated
Ø9.5mm	380mm	Cannulated
Ø9.5mm	400mm	Cannulated
Ø9.5mm	420mm	Cannulated



HUMERUS NAIL



Indications

- Proximal Humerus Fracture
- Osteopathy' Osteotomy Orthopedic Fixation

Product Features

- The main nail is designed with an external deviation of 4°
- Multi-plane fixation with proximal 4.0mm cancellous bone locking screw
- The hollow design of the intramedullary nail can pass through the guide wire
- Distal 3.5mm cortical bone lock screw fixation
- The locking screw in the lost shape facilitates the fixation of the greater tuberosity of the humerus

Material	Size
TC4	Ø7x180
TC4	Ø7x200
TC4	Ø7x220
TC4	Ø7x240
TC4	Ø7x260
TC4	Ø7x280
TC4	Ø7.5x180
TC4	Ø7.5x200
TC4	Ø7.5x220
TC4	Ø7.5x240
TC4	Ø7.5x260
TC4	Ø7.5x280
TC4	Ø8x180
TC4	Ø8x200
TC4	Ø8x220
TC4	Ø8x240
TC4	Ø8x260
TC4	Ø8x280
TC4	Ø8.5x180
TC4	Ø8.5x200
TC4	Ø8.5x220
TC4	Ø8.5x240
TC4	Ø8.5x260
TC4	Ø8.5x280



FEMORAL NAIL

TYPE II GAMMA (Y) NAIL



Indications

- Standard type: supracondylar fracture of femur
- Lengthened type: femoral supracondylar fracture combined with ipsilateral femoral shaft fracture

Product Features

- The proximal and distal locking nails of the main nail are multi-plane designed to increase the stability of fixation
- The thread design of the proximal and distal locking nail holes of the intramedullary nail reduces the possibility of the locking nail withdrawing
- Main nail groove design, easy to insert
- The hollow design of the main nail, through the ball guide pin, saves operation time
- Standard type/Long type are available

The shank of the long main nail is bent with a curvature of 1.8m

Dia	Length	Cannulated/Solid
Ø9.5mm	280mm	Cannulated
Ø9.5mm	300mm	Cannulated
Ø9.5mm	320mm	Cannulated
Ø9.5mm	340mm	Cannulated
Ø9.5mm	360mm	Cannulated
Ø10mm	280mm	Cannulated
Ø10mm	300mm	Cannulated
Ø10mm	320mm	Cannulated
Ø10mm	340mm	Cannulated
Ø10mm	360mm	Cannulated
Ø11mm	280mm	Cannulated
Ø11mm	300mm	Cannulated
Ø11mm	320mm	Cannulated
Ø11mm	340mm	Cannulated
Ø11mm	360mm	Cannulated
Ø12mm	280mm	Cannulated
Ø12mm	300mm	Cannulated
Ø12mm	320mm	Cannulated
Ø12mm	340mm	Cannulated
Ø12mm	360mm	Cannulated



Indications

Suitable for transtrochanteric fractures, intertrochanteric fractures, subtrochanteric fractures, intertrochanteric fractures combined with femoral shaft, fractures, etc

Product Features

- One part can complete two functions of anti-rotation and stable support
- The lag screw can fill the bone very well and obtain better gripping force
- The long tip and groove design at the distal end avoid local stress concentration
- The implantation is completed through the lateral incision, which simplifies the operation steps

Material	Size
TC4	Ø9x240
TC4	Ø9.5x240
TC4	Ø10x240
TC4	Ø11x240
TC4	Ø12x240
TC4	Ø13x280
TC4	Ø9x240
TC4	Ø9.5x240
TC4	Ø10x240
TC4	Ø11x240
TC4	Ø12x240



TYPE III GAMMA (Y) NAIL

RADIUS NAIL

BettaTech

BettaTech



Indications (Elderly patients)

- Intertrochanteric fractures (31-A1 and 31-A2)
- Reversed Interchanteric Fracture (31-A3)
- High subtrochanteric fracture

Product Features

- Special double-screw interlocking design improves the ability to resist rotation and cut-out of the femoral head
- The linear tension function realizes effective pressurization without rotational movement
- 5° external deflection angle design, easy to insert from the apex of the greater trochanter
- The diameter of the proximal end of the intramedullary nail is 16mm, which is more reserved for the lateral wall of the greater trochanter and the gluteus medius tendon
- The tuning fork design at the distal end of the medullary canal nail reduces the stress concentration on the femoral shaft
- The shallow and sparse HA5 distal locking screw thread design increases the bending strength of the screw and facilitates insertion

Material	Size
TC4	Ø9x170x121°
TC4	Ø10x170x121°
TC4	Ø11x170x121°
TC4	Ø12x170x121°
TC4	Ø9x170x126°
TC4	Ø10x170x126°
TC4	Ø11x170x126°
TC4	Ø12x170x126°
TC4	Ø9x240x121°
TC4	Ø10x240x121°
TC4	Ø11x240x121°
TC4	Ø12x240x121°
TC4	Ø9x240x126°
TC4	Ø10x240x126°
TC4	Ø11x240x126°
TC4	Ø12x240x126°



Indications

Juvenile fracture patients with closed epiphyses, bony forearm fractures, comminuted diaphyseal fractures, segmental fractures, multiple trauma, fracture fixation above or below existing plate, repair (existing implant failure)

Product Features

- Anatomical main nail design, consistent with radial pronation
- The head of the horizontal locking screw has a self-tapping groove design, which is convenient for implantation
- Buried head design reduces irritation to soft tissue after implantation

Dia	Length	Cannulated/Solid
Ø3.0mm	120mm	Cannulated
Ø3.0mm	170mm	Cannulated
Ø3.0mm	190mm	Cannulated
Ø3.0mm	210mm	Cannulated
Ø3.0mm	230mm	Cannulated
Ø3.0mm	250mm	Cannulated
Ø3.0mm	270mm	Cannulated
Ø3.6mm	120mm	Cannulated
Ø3.6mm	170mm	Cannulated
Ø3.6mm	190mm	Cannulated
Ø3.6mm	210mm	Cannulated
Ø3.6mm	230mm	Cannulated
Ø3.6mm	250mm	Cannulated
Ø3.6mm	270mm	Cannulated
Ø4.0mm	120mm	Cannulated
Ø4.0mm	170mm	Cannulated
Ø4.0mm	190mm	Cannulated
Ø4.0mm	210mm	Cannulated
Ø4.0mm	230mm	Cannulated
Ø4.0mm	250mm	Cannulated
Ø4.0mm	270mm	Cannulated



ULNA NAIL

FIBULA NAIL



Indications

0 Juvenile fracture patients with closed epiphysis, skeletal forearm fracture, comminuted diaphyseal fracture, segmental fracture, multiple trauma, fracture fixation above or below the existing bone plate, repair (existing implant failure)

Product Features

- The proximal end is tapered to facilitate the insertion of the intramedullary nail and reduce the concentrated stress

Dia	Length	Cannulated/Solid
Ø3.0mm	120mm	Cannulated
Ø3.0mm	170mm	Cannulated
Ø3.0mm	190mm	Cannulated
Ø3.0mm	210mm	Cannulated
Ø3.0mm	230mm	Cannulated
Ø3.0mm	250mm	Cannulated
Ø3.0mm	270mm	Cannulated
Ø3.6mm	120mm	Cannulated
Ø3.6mm	170mm	Cannulated
Ø3.6mm	190mm	Cannulated
Ø3.6mm	210mm	Cannulated
Ø3.6mm	230mm	Cannulated
Ø3.6mm	250mm	Cannulated
Ø3.6mm	270mm	Cannulated
Ø4.0mm	120mm	Cannulated
Ø4.0mm	170mm	Cannulated
Ø4.0mm	190mm	Cannulated
Ø4.0mm	210mm	Cannulated
Ø4.0mm	230mm	Cannulated
Ø4.0mm	250mm	Cannulated
Ø4.0mm	270mm	Cannulated



Indications

The fibular nail is ideal for supination-external rotation and supination-adduction ankle fractures. Pronation-external rotation and pronation-abduction injuries are appropriate and only the fracture is less than 5 cm proximal to the joint.

Product Features

- The arc design of the tip of the intramedullary nail ensures easy and smooth insertion
- Various diameter main nail options to meet different clinical needs
- Various lengths of main nails can be selected according to actual clinical needs
- Different colors correspond to different diameters of main nails, which is convenient, rapid and accurate to select the main nails
- Humanized supporting instrument design, easy to operate during operation

Dia	Length	Cannulated/Solid
Ø2.6mm	110mm	Cannulated
Ø2.6mm	145mm	Cannulated
Ø2.6mm	190mm	Cannulated
Ø2.6mm	270mm	Cannulated
Ø3.0mm	110mm	Cannulated
Ø3.0mm	145mm	Cannulated
Ø3.0mm	190mm	Cannulated
Ø3.0mm	270mm	Cannulated
Ø3.6mm	110mm	Cannulated
Ø3.6mm	145mm	Cannulated
Ø3.6mm	190mm	Cannulated
Ø3.6mm	270mm	Cannulated

