

HIMALAYA™

Expert Tibia Nailing System



HIMALAYA™ Expert Tibia Nailing System offers multiple locking options allow use of one nail system for many tibia fracture patterns. According to the fracture type, the system offers the option of different locking modes. In addition to static locking, a controlled dynamization with rotational stability is optional. Its universal design can be used for right or left tibias.

SYSTEM FEATURES

■ Multiple proximal locking options

- Three locking screws with dual core shaft for better purchase in osteoporotic bone, increase the stability of the proximal fragment for proximal third fractures.



- Two medio-lateral (ML) locking options enable primary compression or secondary controlled dynamization.

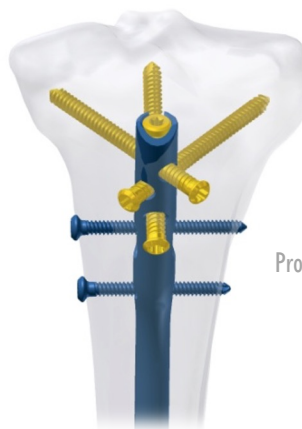
■ Multiple distal locking options

- Distal oblique locking option for less damage of soft tissues and increase multiplanar stability of the distal fragment.
- Two ML and one antero-posterior (AP) locking options for higher angular stability of the distal fragment.

■ Accurate and fast mechanical aiming device for proximal and distal locking.

■ Intra-Operative Compression

- Oblong hole in the coronal plane enable intra-operative compression.



Proximal Locking



Distal Locking



Indications

HIMALAYA™ Expert Tibia Nailing System is indicated for fractures of the proximal and distal third of the tibia, including the shaft, stable and unstable fractures. HIMALAYA™ Expert Tibia Nailing System may also be used for treatment of non unions or malunions as well as prophylactic nailings of impending pathological fractures.

TECHNICAL SPECIFICATION

Implant Material

All implants are manufactured from Ti-6Al-4V medical grade, anodized titanium alloy (ASTM F1472) due to this material's superior properties. The titanium alloy offers a lower modulus of elasticity and increased fatigue strength over stainless steel.

Nail

Outer Diameter:

Size (mm)	8	9	10	11	12	13
Proximal Dia (mm)	11	11	11	11	13	13
Shaft Dia (mm)	8	9	10	11	12	13

Inner Diameter:

3.4 mm for all nails. It can allow the Guide Wire with Ball Tip 1.8X1000 mm to pass through.

Lengths:

240 mm to 420 mm, in 20 mm increments

Cross Section:

Size (mm)	8	9	10	11	12	13
Figure	Rounded	Rounded	Rounded	Rounded	Rounded	Fluted

Direction:

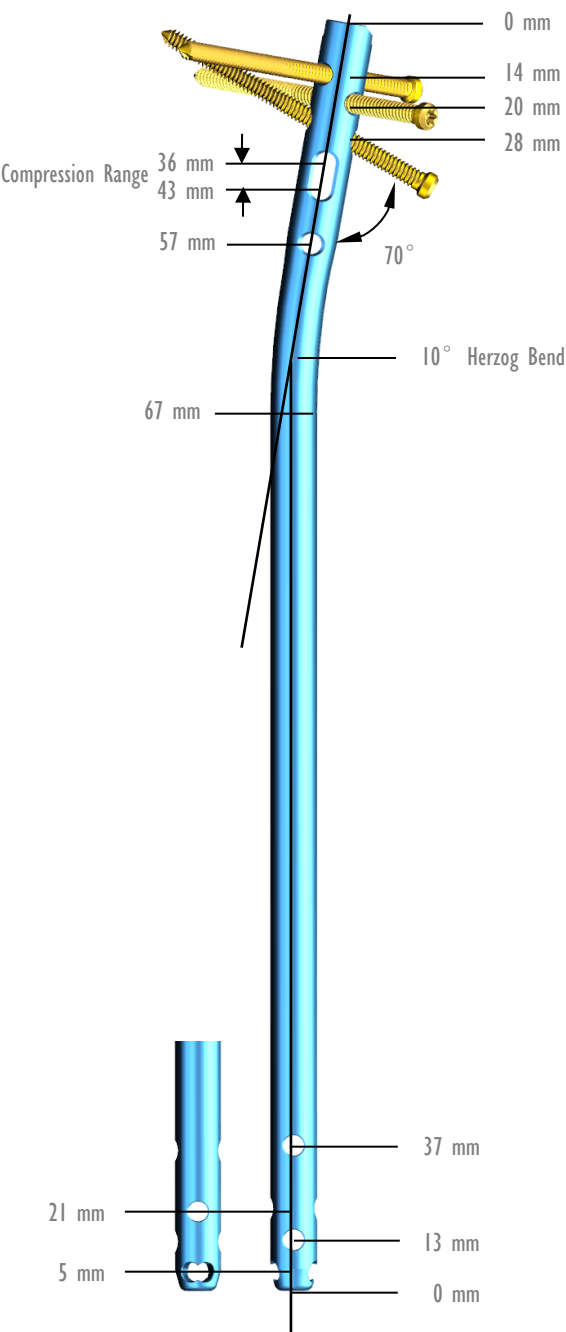
Universal design for the left and right tibia

Cannulation:

All nails are cannulated

Locking Screws Selection:

Nail Size (mm)	8	9	10	11	12	13		
Proximal OBLI & AP Holes	5.0 mm	5.0 mm	5.0 mm	5.0 mm	5.0 mm	5.0 mm		
Proximal ML Holes	4.0 mm	4.0 mm	4.0 mm	4.0 mm	5.0 mm	5.0 mm		
Distal Locking Holes	4.0 mm	4.0 mm	4.0 mm	4.0 mm	5.0 mm	5.0 mm		



TECHNICAL SPECIFICATION

Locking Screws 4.0 mm

(used for nail dia 8/9/10/11 mm)

Lengths:

24 mm to 50 mm (2 mm increments)

55 mm to 70 mm (5 mm increments)

Note: Screw length is measured from top of head to tip

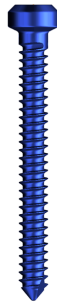
Design:

3.2 mm core diameter

Stardrive T20 recess

Fully threaded

Self-tapping, blunt tip



Locking Screws 5.0 mm

(used for nail dia 12/13 mm)

Lengths:

30 mm to 90 mm (5 mm increments)

Note: Screw length is measured from top of head to tip

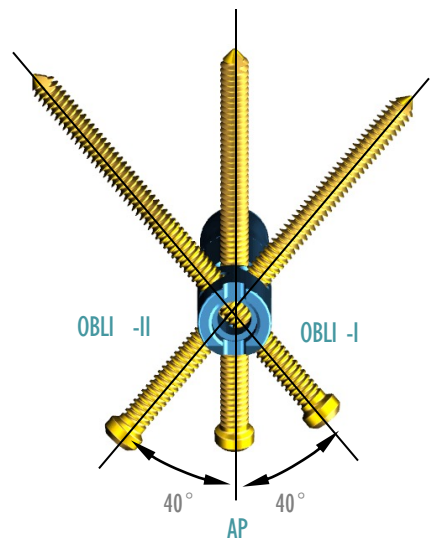
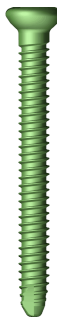
Design:

4.0 mm core diameter

Stardrive T25 recess

Fully threaded

Self-tapping, blunt tip



The most proximal two oblique locking (OBLI -I, OBLI -II) and AP proximal locking for Proximal Segment Fractures

Cancellous Bone Locking Screws 5.0 mm

(Used for proximal locking in the metaphysis through the three most proximal holes)

Lengths:

40 mm to 90 mm (5 mm increments)

Note: Screw length is measured from top of head to tip

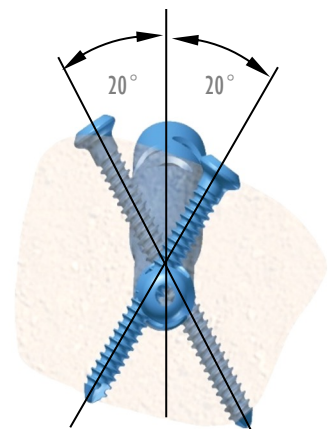
Design:

Dual core design: 4.3/3.4 mm core diameter

Stardrive T25 recess

Fully threaded

Self-tapping, blunt tip



The most distal locking option is oriented 20° from the Sagittal plane

End Cap

Sizes:

0 mm, 5 mm, 10 mm, 15 mm

Design:

3.5 mm hexagon recess



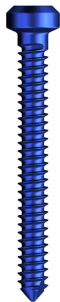
IMPLANT INFORMATION

End Cap



REF (TIT)	SIZES
MOI 31716000	0
MOI 31716005	5
MOI 31716010	10
MOI 31716015	15

Locking Screw 4.0 mm



REF (TIT)	LEN (mm)
MOI 31511024	24
MOI 31511026	26
MOI 31511028	28
MOI 31511030	30
MOI 31511032	32
MOI 31511034	34
MOI 31511036	36
MOI 31511038	38
MOI 31511040	40
MOI 31511042	42
MOI 31511044	44
MOI 31511046	46
MOI 31511048	48
MOI 31511050	50
MOI 31511055	55
MOI 31511060	60
MOI 31511065	65
MOI 31511070	70
MOI 31511075	75
MOI 31511080	80

Locking Screw 5.0 mm



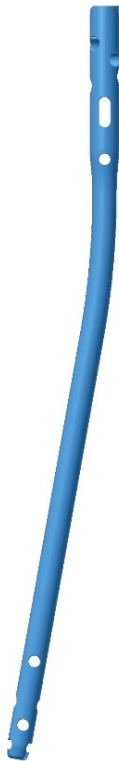
REF (TIT)	LEN (mm)
MOI 31514040	40
MOI 31514045	45
MOI 31514050	50
MOI 31514055	55
MOI 31514060	60
MOI 31514065	65
MOI 31514070	70
MOI 31514075	75
MOI 31514080	80
MOI 31514085	85
MOI 31514090	90
MOI 31514095	95
MOI 31514100	100

Cancellous Bone Locking Screw 5.0 mm



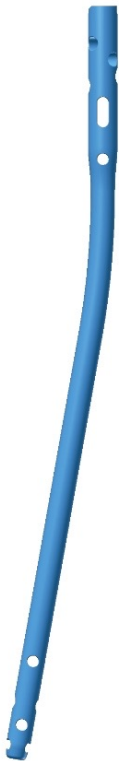
REF (TIT)	LEN (mm)
MOI 31512040	40
MOI 31512045	45
MOI 31512050	50
MOI 31512055	55
MOI 31512060	60
MOI 31512065	65
MOI 31512070	70
MOI 31512075	75
MOI 31512080	80
MOI 31512085	85
MOI 31512090	90

HIMALAYA™ Expert Tibia Nail, Cannulated



REF (TIT)	DIA (mm)	LEN (mm)
MOI 31430240	8.0	240
MOI 31430260	8.0	260
MOI 31430280	8.0	280
MOI 31430300	8.0	300
MOI 31430320	8.0	320
MOI 31430340	8.0	340
MOI 31430360	8.0	360
MOI 31430380	8.0	380
MOI 31430400	8.0	400
MOI 31430420	8.0	420
MOI 31431240	9.0	240
MOI 31431260	9.0	260
MOI 31431280	9.0	280
MOI 31431300	9.0	300
MOI 31431320	9.0	320
MOI 31431340	9.0	340
MOI 31431360	9.0	360
MOI 31431380	9.0	380
MOI 31431400	9.0	400
MOI 31431420	9.0	420
MOI 31432240	10.0	240
MOI 31432260	10.0	260
MOI 31432280	10.0	280
MOI 31432300	10.0	300
MOI 31432320	10.0	320
MOI 31432340	10.0	340
MOI 31432360	10.0	360
MOI 31432380	10.0	380
MOI 31432400	10.0	400
MOI 31432420	10.0	420

HIMALAYA™ Expert Tibia Nail, Cannulated



REF (TIT)	DIA (mm)	LEN (mm)
MOI 31433240	11.0	240
MOI 31433260	11.0	260
MOI 31433280	11.0	280
MOI 31433300	11.0	300
MOI 31433320	11.0	320
MOI 31433340	11.0	340
MOI 31433360	11.0	360
MOI 31433380	11.0	380
MOI 31433400	11.0	400
MOI 31433420	11.0	420
MOI 31434240	12.0	240
MOI 31434260	12.0	260
MOI 31434280	12.0	280
MOI 31434300	12.0	300
MOI 31434320	12.0	320
MOI 31434340	12.0	340
MOI 31434360	12.0	360
MOI 31434380	12.0	380
MOI 31434400	12.0	400
MOI 31434420	12.0	420
MOI 31435240	13.0	240
MOI 31435260	13.0	260
MOI 31435280	13.0	280
MOI 31435300	13.0	300
MOI 31435320	13.0	320
MOI 31435340	13.0	340
MOI 31435360	13.0	360
MOI 31435380	13.0	380
MOI 31435400	13.0	400
MOI 31435420	13.0	420



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