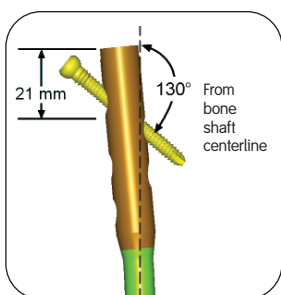


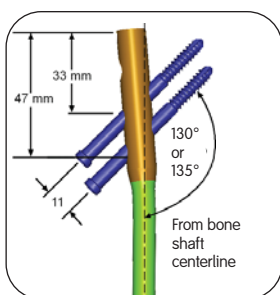
Specification Summary



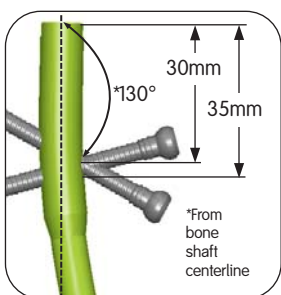
TRIGEN[®] Trochanteric Antegrade Nail (TAN) – Specifications



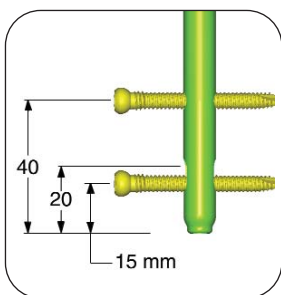
Standard Femoral Lock
130/135 TAN



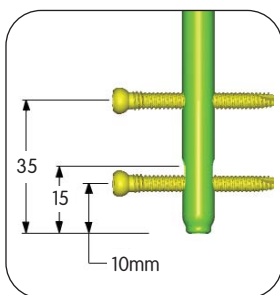
Recon Lock (12° Anteversion)
130/135 TAN



8.5mm Adolescent Nail



10, 11.5, 13mm 130/135 TAN -
Distal Lock (M-L view)



8.5mm Adolescent Nail -
Distal Lock (M-L view)



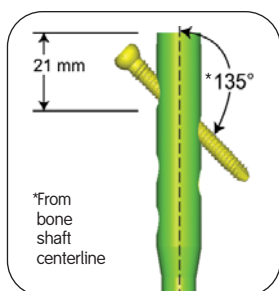
Proper Screw Measurement

All TRIGEN[®] locking screw measuring devices, measure from bottom of head to the last complete thread of screw. This is the working length of the screw. Thus, the screw itself is longer than the measurement and adding length is not necessary.

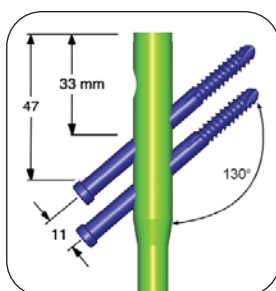
NOTE: These views are not to scale and should be used as a pictorial representation only.

Specifications	TRIGEN® 8.5mm Adolescent TAN Nail	TRIGEN TAN Nail
Material	Ti6AL4V	Ti6AL4V
Diameter	8.5mm	10, 11.5, 13mm
Lengths	26-40cm	30 - 50cm
Nail Color - Left	Lime	Tan/Lime
Nail Color - Right	Rose	Tan/Rose
Cross Section	Round	Round
Neck Angle	130 degrees	130/135 degrees
Proximal Diameter (driving end)	10.5mm	13mm
Distal Diameter (non-driving end)	8.5mm	10, 11.5, 13mm (diameter of the nail)
Smallest Thru Diameter	4.8mm	5.4mm
Wall Thickness	1.8mm	2.3mm (10 diameter) 3.0mm (11.5 diameter) 2.3mm (13 diameter)
Guide Bolt Thread	5/16 - 24	5/16 - 24
Alternative Guide Bolts (Removal only)	RT Tibial, Retrograde, IMSC®, Revision	RT Tibial, Retrograde, IMSC, Revision
Alternative Modes	No	Standard Femoral Recon Locking
Proximal Locking		
Screw Diameter	4.5mm	Standard - 5.0mm Recon - 6.4mm
Major Diameter	4.5mm	Standard - 5.0mm Recon - 6.4mm
Minor Diameter	4.0mm	Standard - 4.3mm Recon - 4.7mm
Shank	N/A	N/A Recon - 6.3mm
Hex Size	4.7mm	4.7mm
Alternative Hex Drivers	RT Femoral & Recon, 7.0mm Cannulated Screw	RT Femoral & Recon, 7.0mm Cannulated Screw, PERI-LOC® Locking Screw Guide
Screw Color	Grey	Standard Lock - Gold Recon Lock - Blue
Screw Lengths	25-65mm	Standard 25-110mm Recon 65-125mm
Anteversión	None	Recon Lock - 12 Degrees
Location	30, 35mm	21, 33, 47mm
Proximal Dynamization Slot	No	No
Proximal Screw Hole Dimensions	4.8mm	Standard 5.3mm Recon 6.4mm
Degree of Proximal Bend	12 degrees lateral	5 degrees lateral
Location of Proximal Bend	19mm A/P Bend	65mm (a/p bend)
Distal Locking		
Screw Diameter	4.5mm	5.0mm
Major Diameter	4.5mm	5.0mm
Minor Diameter (core)	4.0mm	4.3mm
Screw Color	Grey	Gold
Screw Lengths	25-65mm	25-110mm
Location	10, 15, 35mm	15, 20, 40mm
Orientation	L-M	L-M
Dynamization Slot	Yes	Yes
Distal Screw Hole Dimensions	4.8mm	5.3mm
AP Bow	Proximal - 1.5 meters Distal - 2.5 meters	Proximal - 1.5 meters Distal - 2.5 meters
Location of Distal Bend	90mm	100mm
Dynamization Slot Location	Distal	Distal

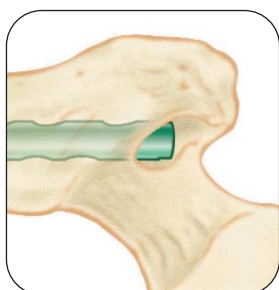
TRIGEN[®] Femoral Antegrade Nail (FAN) – Specifications



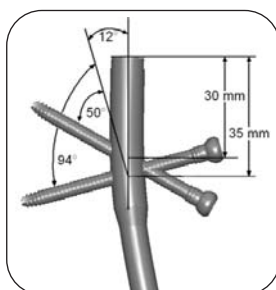
Standard Femoral Lock
(130 standard FAN/Exchange)



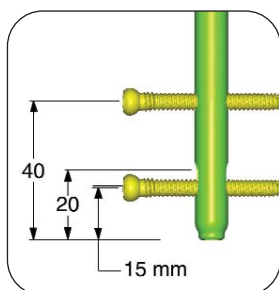
Recon Lock (12° Anteversion,
130 standard FAN/Exchange)



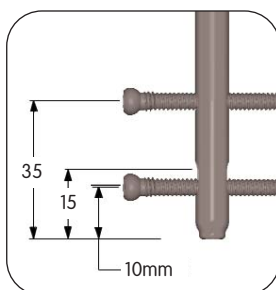
Posterior View of Femur with
FAN nail looks countersunk,
but isn't.



8.5mm FAN – Proximal Lock
Grey Nail



Distal Lock (130 standard
FAN/Exchange)



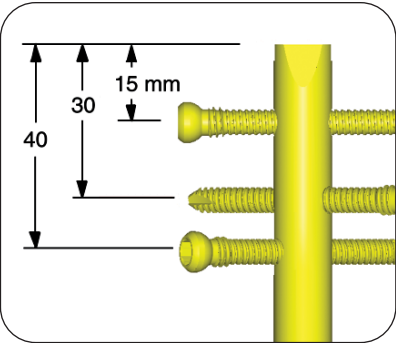
Distal Lock 8.5mm FAN
(M-L view)

NOTE: These views are not to scale and should be used as a pictorial representation only.

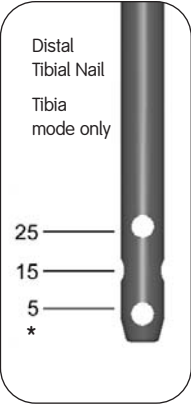
Specifications	TRIGEN® 8.5mm FAN Nail	TRIGEN FAN Nail
Material	Ti6AL4V	Ti6AL4V
Diameter	8.5mm	10, 11.5, 13, *14.5, 16mm
Lengths	26-40cm	30 - 50cm, 36 - 44cm
Nail Color - Universal	Grey	
Nail Color - Left		Lime
Nail Color - Right		Rose
Cross Section	Round	Round
Neck Angle	130 degrees	130 degrees
Proximal Diameter (driving end)	10.5mm	13mm (10, 11.5, 13 diameter) 14.5mm (14.5 diameter) 16mm (16 diameter)
Proximal Diameter (non-driving end)	8.5mm	10, 11.5, 13, 14.5 16mm (diameter of the nail)
Smallest Thru Diameter	4.8mm	5.4mm
Wall Thickness	1.8mm	2.3mm (10 diameter) 3.0mm (11.5 diameter) 2.3mm (13 diameter) 2.3mm (14.5 diameter) 2.4mm (16 diameter)
Guide Bolt Thread	5/16 - 24	5/16 - 24
Alternative Guide Bolts (Removal only)	RT Tibial, Retrograde, IMSC®, Revision	RT Tibial, Retrograde, IMSC, Revision
Alternative Modes	No	Standard Femoral Recon Locking
Proximal Locking		
Screw Diameter	4.5mm	Standard - 5.0mm Recon - 6.4mm
Major Diameter	4.5mm	Standard - 5.0mm Recon - 6.4mm
Minor Diameter	4.0mm	Standard - 4.3mm Recon - 4.7mm
Shank	N/A	Standard - N/A Recon - 6.3mm
Hex Size	4.7mm	4.7mm
Alternative Hex Drivers	RT Femoral & Recon, 7.0mm Cannulated Screw	RT Femoral & Recon, 7.0mm Cannulated Screw, PERI-LOC® Locking Screw Guide
Screw Color	Grey	Standard Lock - Gold Recon Lock - Blue
Screw Lengths	25-65mm	Standard 25-110mm Recon 65-125mm
Anteversion	None	Recon Lock - 12 Degrees
Location	30, 35mm	21, 33, 47mm
Proximal Dynamization Slot	No	No
Proximal Screw Hole Dimensions	4.7mm	Standard 5.3mm Recon 6.4mm
Degree of Proximal Bend	12 degrees lateral	N/A
Location of Proximal Bend	1 Bend - 19mm (m/l bend)	N/A
Distal Locking		
Screw Diameter	4.5mm	5.0mm
Major Diameter	4.5mm	5.0mm
Minor Diameter (core)	4.0mm	4.3mm
Screw Color	Grey	Gold
Screw Lengths	25-65mm	25-110mm
Location	10, 15, 35mm	15, 20, 40mm
Orientation	L-M	L-M
Dynamization Slot	Yes	Yes
Distal Screw Hole Dimensions	4.8mm	5.3mm
AP Bow	N/A	Hybrid Bow Proximal 1.5 meters Distal 2.5 meters
Location of Distal Bend	N/A	100mm
Dynamization Slot Location	Distal	Distal

*Available in Loaner Services – Kit #8467

TRIGEN[◇] Knee Nail and Distal Tibial Nail – Specifications

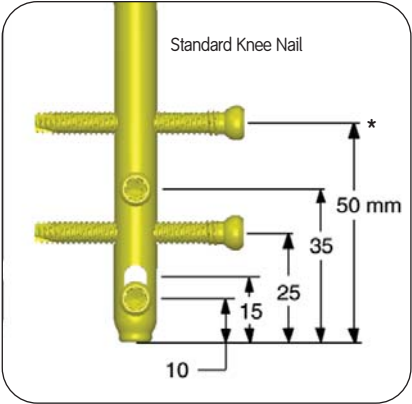


Driving End of Nail (All Knee Nails and Distal Tibia)



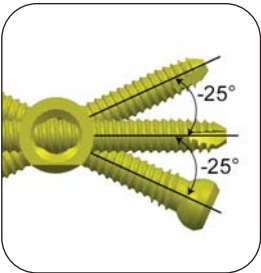
Non-driving End of Nail (M/L view)

*The distal tibial nail is on limited release, in the US market. In the international markets, the distal tibial nail is sold in select countries.



Non-driving End of Nail (M/L view)

*Note: 8.5mm is for Tibia Mode only. Locking is the same as standard knee nail except for 50mm.

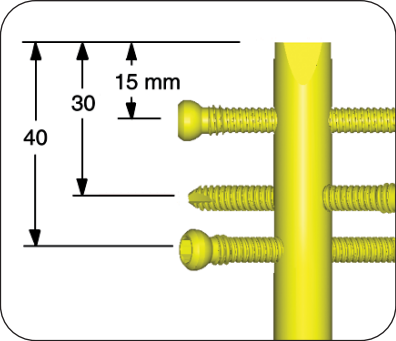


Top View of Nail

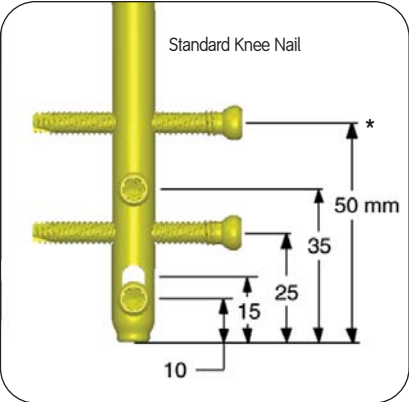
NOTE: These views are not to scale and should be used as a pictorial representation only.

Specifications	TRIGEN® Knee Nail Tibia Mode	TRIGEN Distal Tibial Nail Tibia Mode (Only)
Material	Ti6AL4V	Ti6AL4V
Diameter	10, 11.5, 13mm	10, 11.5mm
Lengths	26-50cm	26-38cm
Nail Color	Gold	Grey
Cross Section	Round	Round
Proximal Diameter (driving end)	11.5mm (10, 11.5 diameter) 13mm (13 diameter)	11.5mm (10, 11.5 diameter)
Proximal Diameter (non-driving end)	10, 11.5, 13mm (diameter of the nail)	10, 11.5mm (diameter of the nail)
Smallest Thru Diameter	5.4mm	5.4mm
Wall Thickness	2.3mm (10 diameter) 3.0mm (11.5 diameter) 3.5mm (13 diameter)	2.3mm (10 diameter) 3.0mm (11.5 diameter)
Guide Bolt Thread	5/16 - 24	5/16 - 24
Alternative Guide Bolts	RT Tibial, Retrograde, IMSC®, Revision	RT Tibial, Retrograde, IMSC, Revision
Alternative Modes	Retrograde Femoral	No
Driving End		
Screw Diameter	5.0mm	5.0mm
Hex Size	4.7mm	4.7mm
Alternative Hex Drivers	RT Femoral & Recon 7.0mm Cannulated Screw	RT Femoral & Recon, 7.0mm Cannulated Screw, PERI-LOC® Locking Screw Guide
Screw Color	Gold	Gold
Screw Lengths	25-110mm	25-110mm
Location	15, 30 40mm	15, 30 40mm
Proximal Dynamization Slot	No	No
Proximal Screw Hole Dimensions	5.3mm	5.3mm
Orientation	Transverse, (2) 25 Degree Oblique	Transverse, (2) 25 Degree Oblique
Degree of Proximal Bend (Herzog)	10	10
Location of Proximal Bend	32mm	32mm
Non-Driving End		
Screw Diameter	5.0mm	5.0mm
Major Diameter	5.0mm	5.0mm
Minor Diameter (core)	4.3mm	4.3mm
Distal Screw Hole Dimensions	5.3mm	5.3mm
Screw Color	Gold	Gold
Screw Lengths	25-110mm	25-110mm
Location	10- 15, 25, 35, 50mm	5, 15, 25mm
Orientation	Slot/Hole 1&3 - M-L Hole 2&4 - A-P	Hole 1&3 - M-L Hole 2 - A-P
Dynamization Slot	Yes	No
Distal Hole Dimensions	5.3mm	5.3mm
AP Bow	Hybrid Bow - Proximal 2.5 meters Distal 3.0 meters	Hybrid Bow - Proximal 2.5 meters Distal 3.0 meters
Location of Distal Bend	100mm	100mm
Dynamization Slot Location	Most Distal Hole	N/A

TRIGEN[◇] Knee Nail and Distal Tibial Nail – Specifications

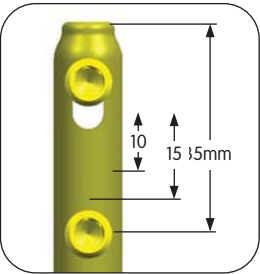


Driving End of Nail (All Knee Nails and Distal Tibia)



Non-driving End of Nail (M/L view)

***Note:** 8.5mm is for Tibia Mode only. Locking is the same as standard knee nail except for 50mm.

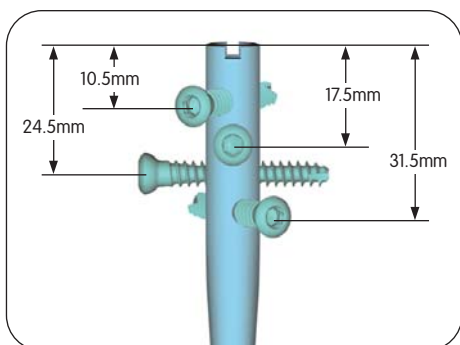


Non-driving end of supracondylar knee nail (M/L view)

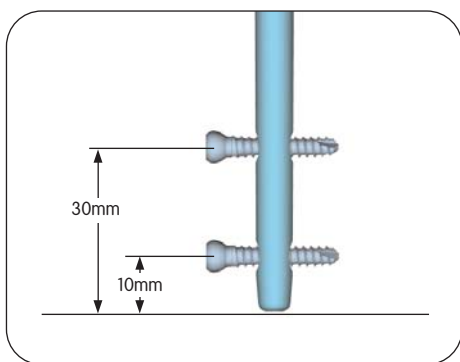
TRIGEN[◇] 8.5mm/Supracondylar Knee Nail – Specifications

Specifications	TRIGEN 8.5 Knee Nail Tibia Mode (Only)	TRIGEN Supracondylar Knee Nail
Material	Ti6AL4V	Ti6AL4V
Diameter	8.5	11.5, 13mm
Lengths	26-40cm	15, 20, 25cm
Nail Color	Grey	Gold
Cross Section	Round	Round
Proximal Diameter (driving end)	11.5mm	11.5mm (11.5 diameter) 13mm (13 diameter)
Proximal Diameter (non-driving end)	8.5mm	11.5, 13mm (diameter of the nail)
Smallest Thru Diameter	4.8mm	5.4mm
Wall Thickness	1.8mm	3.0mm (11.5 diameter) 2.3mm (13 diameter)
Guide Bolt Thread	5/16 - 24	5/16 - 24
Alternative Guide Bolts	RT Tibial, Retrograde, IMSC [®] , Revision	RT Tibial, Retrograde, IMSC, Revision
Alternative Modes	No	No
Driving End		
Screw Diameter	4.5mm	5.0mm
Hex Size	4.7mm	4.7mm
Alternative Hex Drivers	RT Femoral & Recon 7.0mm Cannulated Screw	RT Femoral & Recon, 7.0mm Cannulated Screw, PERI-LOC [®] Locking Screw Guide
Screw Color	Grey	Gold
Screw Lengths	25 - 65mm	25 - 110mm
Location	15, 30 40mm	15, 30 40mm
Proximal Dynamization Slot	No	No
Proximal Screw Hole Dimensions	4.7mm	5.3mm
Orientation	Transverse, (2) 25 Degree Oblique	Transverse, (2) 25 Degree Oblique
Degree of Proximal Bend (Herzog)	10	12.5
Location of Proximal Bend	32mm	32mm
Non-Driving End		
Screw Diameter	4.5mm	5.0mm
Major Diameter	4.5mm	5.0mm
Minor Diameter (core)	4.0mm	4.3mm
Distal Screw Hole Dimensions	4.7mm	5.3mm
Screw Color	Grey	Gold
Screw Lengths	25 - 65mm	25 - 110mm
Location	10- 15, 25, 35mm	10-15, 35mm
Orientation	Slot/Hole 1&3 - M-L Hole 2 - A-P	L-M
Dynamization Slot	Yes	Yes
Distal Hole Dimensions	4.7mm	5.3mm
AP Bow	Hybrid Bow - Proximal 2.5 meters Distal 3.0 meters	N/A
Location of Distal Bend	100mm	N/A
Dynamization Slot Location	Most Distal Hole	Most Proximal Hole

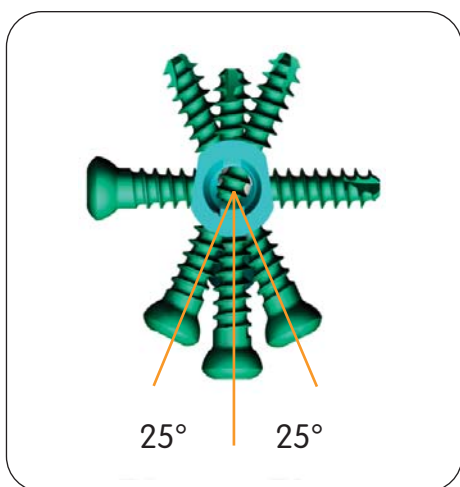
TRIGEN[◇] Humeral Nail Antegrade Mode (Only) – Specifications



Driving End of Nail (Proximal Lock)



Non-Driving End of Nail (Distal Lock) 18 - 28 Lengths

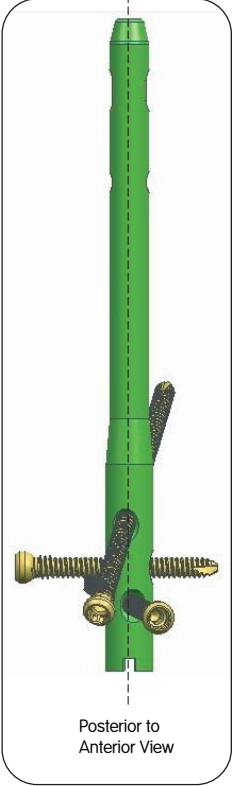
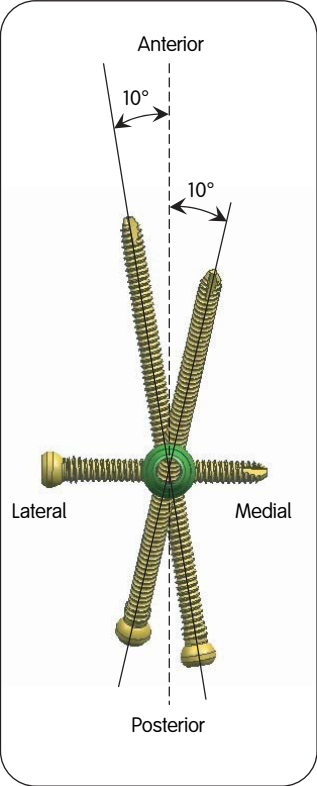
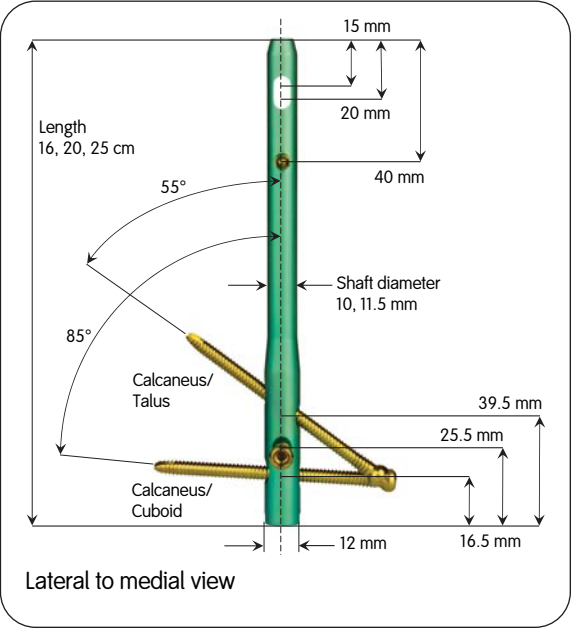


Top of Nail

NOTE: These views are not to scale and should be used as a pictorial representation only.

Specifications	TRIGEN® Humeral Nail Antegrade Mode (Only)
Material	Ti-6Al-4V
Diameter	8/7mm, 9/7.5mm, 10/8.5mm
Lengths	18-28cm
Nail Color	Aqua Marine
Cross Section	Trapezoid
Neck Angle	90°
Proximal Diameter (driving end)	12mm X 10.5mm
Smallest Thru Diameter	3.4mm
Guide Bolt Thread	1/4-28 UNF
Alternative Modes	No
Tapered Shaft	Yes
Degree of Proximal Bend	4°
Location of Proximal Bend	35mm
Start of Proximal Taper	35mm
Length of Proximal Taper	30mm
Start of Distal Taper	65mm
Proximal Locking	
Screw Diameter	5.0mm
Major Diameter (5.0mm)	5.0mm
Minor Diameter (core)	3.0mm
Self Tap	Yes
Hex Size	3.5mm
Alternative Hex Drivers	RT Humeral, 6.5 Cannulated Screw, CHS, IMHS®, TCI00 (large), PERI-LOC® (small & large)
Screw Color	Lime
Screw Lengths	24-64mm
Location	10.5mm, 17.5mm, 24.5mm 31.5mm
Proximal Screw Hole Options	"3X (threaded)1X (hole)"
Proximal Screw Hole Dimensions	5.3mm
Orientation	3x (threaded) - 25°, 0, 25° ml 1X (hole) - AP
Distal Locking	
Screw Diameter	4.0mm
Major Diameter	Step-Thread 3.8/4.0mm
Minor Diameter (core)	3.0mm
Self Tap	Yes
Hex Size	3.5mm
Screw Color	Light Blue
Screw Lengths	20-40mm
Location from distal end	10mm, 30mm
Orientation	AP
Distal Screw Hole Dimensions	Yes
Distal Hole Dimensions	4.1mm diameter
Distal Bend	No
Distal Dynamization Slot	No

TRIGEN[◇] Hindfoot Fusion Nail – Specifications



NOTE: These views are not to scale and should be used as a pictorial representation only.

Specifications	TRIGEN® HFN
Material	Ti6AL4V
Diameter	10.0, 11.5mm
Lengths	16, 20, 25cm
Nail color	Left - Lime Right - Rose
Cross Section	Round
Proximal Diameter (driving end)	12mm
Proximal Diameter (non-driving end)	10.0 and 11.5mm
Smallest Thru Diameter	5.4mm
Wall Thickness	4.6mm (10 diameter), 6.096mm (11.5 diameter)
Guide Bolt Thread	5/16 - 24
Alternative Guide Bolts	RT Tibial, Retrograde, IMSC, Revision
Alternative Modes	No
Major Screw Diameter	5.0mm
Minor Screw Diameter	4.3mm
Hex Size	4.7mm
Alternative Hex Drivers	RT Femoral & Recon, 7.0mm Cannulated Screw, PERI-LOC® Locking Screw Guide
Screw Color	Gold
Screw Lengths	25-110mm
AP Bow	No bow
Location of Distal Bend	No bow
Driving End	
Location	16.5, 25.5, 39.5mm
Distal Dynamization Slot	none
Distal Screw Hole Diameter	5.3mm
Orientation	<p>Calcaneus/Talus P-A oriented and 55 degrees from nail axis in M-L plane, and 10 degrees off axis in sagittal plane.</p> <p>Calcaneus/Cuboid P-A oriented and 85 degrees from nail axis in M-L plane, and 10 degrees off axis in sagittal plane.</p> <p>Transverse L-M oriented with no angulation.</p>
Non-Driving End	
Proximal Screw Hole Diameter	5.3mm
Screw Hole Locations	15-20mm, 40mm
Orientation	M-L
Proximal Dynamization Slot	Yes

TRIGEN[®] Set Numbers

Instruments

71631326	Instrument set with 1 tray
71631335	Internal captured screw instruments (hexdrivers)

Disposables

71631225	Guide pin, (2) drills, guide rod
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Screws

71631329	Internal captured nail caps (all sizes)
71631321	Internal captured screw 4.5 & 5.0mm
71631341	Internal captured screws 6.4mm

Nails

71631226	135° TAN nails and nail caps (all diameters)
71631236	130° TAN nails only (all diameters)
71631327	14.5, 16mm Exchange nail (FAN only)
71631330	8.5mm Adolescent TAN Nails
71631334	10, 11.5 Distal tibial nails (US and select countries intl.)
71631336	Knee nails only (all diameters)
71700000	TRIGEN HIN Implant Set
71700001	TRIGEN HIN Instrument Set
71700002	TRIGEN HIN Disposable Set

Loaner Set Numbers

008113	TRIGEN Humeral Nail Disposables Set
008114	TRIGEN Humeral Nail Implant Set
008115	TRIGEN Humeral Nail Instrument Set
008119	TRIGEN HIN Nail Instrument Set
008260	TRIGEN TAN Nail Set
008263	TRIGEN Knee Nail Grey & Gold
008262	TRIGEN FAN Nails 10-13mm
008467	TRIGEN FAN Nails 14.5-13mm
008488	TRIGEN Humeral Nail Implant Set
008609	TRIGEN HFN Nail Implant Set

New Additions

Instruments

71631345	130 D TAN/8.5, 10, 11.5 & 13mm Femoral drop
71631070	Long internal hex screw driver
71631121	4.0mm long AO pilot
71631123	4.0mm short AO pilot
71641123	4.0mm short AO step

Screws

6.4mm Internal hex recon screw
Lengths: 65-125mm

STABLE-LOK[®] Nut

Washer: 12.7mm(O.D.), 6.1mm(I.D.)

Nut: 12.7mm(O.D.), root is tapered 6.86mm,
starts at head and tapers to 6.0mm

Nail Caps

Internal Captured Sizes: 0-20mm

Nails

14.5mm Diameter Femoral Antegrade Nails
Lengths: 36-44, Left(Lime) & Right(Rose)

16mm Diameter Femoral Antegrade Nails
Lengths: 36-44, Left(Lime) & Right(Rose)

10mm Diameter Distal Tibial Nails
Lengths: 26-38, Grey

11.5mm Diameter Distal Tibial Nails
Lengths: 26-38, Grey

8.5mm Diameter Adolescent TAN Nails
Lengths: 26-40, Left(Lime) & Right(Rose)

10mm Diameter 130 Degree Trochanteric Antegrade Nail
Lengths: 30-50, Left(Lime) & Right(Rose)

11.5mm Diameter 130 Degree Trochanteric Antegrade Nail
Lengths: 30-50, Left(Lime) & Right(Rose)

13mm Diameter 130 Degree Trochanteric Antegrade Nail
Lengths: 30-50, Left(Lime) & Right(Rose)

Literature

Surgical Techniques

71180662	Femoral (FAN)
71180663	Tibial
71180664	Retrograde
71180665	8.5mm FAN
71180683	Trochanteric TAN
71180675	Instrument & implant catalog
71180880	Spec Summary
71180897	Humeral
71181028	Hind Foot Fusion

Templates

71180497	FAN nails left and right (Lime, Rose)
71180499	8.5mm FAN nail (Grey)
71180600	Standard knee nail (Gold)
71180601	8.5mm knee nail grey
71180602	Supracondylar knee nail (Gold)
71180722	Group of templates (includes one of all templates)
71180666	TAN template 135°
71180682	Short TAN
71180883	Distal tibial nail
71180884	TAN nail 130° (future item)
71180885	14.5 - 16mm Exchange nail
71180886	8.5mm Adolescent TAN nail (future item)
71180906	Humeral
71180961	Hind Foot Fusion

Samples

71193132	Knee nail 8.5mm x 32cm
71193232	Knee nail 10mm x 32cm
71193440	Knee nail 13mm x 40cm
71193325	Knee nail 11.5mm x 25cm
71196130	FAN nail 8.5mm x 30cm
71194238	FAN nail 10mm x 38cm Left
71195238	FAN nail 10mm x 38cm Right
71197238	TAN nail 10mm x 38cm Left
71198238	TAN nail 10mm x 38cm Right
71192150	Grey screw 4.5mm x 50mm (internal)
71192550	Gold screw 5.0mm x 50mm (internal)
71193130	8.5mm TAN nail 8.5mm x 30cm Left
71194130	8.5mm TAN nail 8.5mm x 30cm Right
71190238	130 TAN 10mm x 38cm Left
71191238	130 TAN 10mm x 38cm Right
71199323	14.5mm FAN 14.5mm x 38cm Left
71199328	14.5mm FAN 14.5mm x 38cm Right
71192485	Blue Screw 6.4mm x 85mm (internal captured)
71193632	Distal Tibia 10mm x 32cm
71190816	8/7 x 16 Straight Humeral Nail
71191028	10/8.5 x 28 Bent Humeral Nail
71192816	8/7 x 16 Bent Humeral Nail
71194044	Light Blue 4mm x 44mm Distal Humeral Screw
71194828	10/8.5 x 28 Bent Humeral Nail
71195048	Lime 5mm x 48mm Proximal Humeral Screw
71191153	Humeral Sample Case
71180961	Hind Foot Fusion
71700014	HFN Sample Case
71191016L	HFN 10mm x 16cm Nail Left
71192535	Gold 5.0mm x 35mm
71192570	Gold 5.0mm x 70mm

Clinical Articles

“IM trochanteric antegrade nailing: 100% union, no complications”
 – Journal: Orthopedics Today December 2002 Volume 22
 Number 12
 7118-0774

“Retrograde Fixation of Distal Femoral Fractures: Results Using a New Nail System” – Journal: Journal of Orthopaedic Trauma, August 2003 Vol. 17 No. 7

Ricci WM, et al. Trochanteric vs. Piriformis Entry Portal for the Treatment of Femoral Shaft Fractures. Paper no. 169.
 Presented at the Annual Meeting of the American Academy of Orthopaedic Surgeons, March, 2004, in San Francisco, CA.

Features & Benefits

FAN & TAN Nails

Two Approaches – Able to lock in Femoral & Recon Mode.

Several Indications per Nail – Able to address the following indications: Shaft fractures between the proximal and distal third, Transverse/comminuted/spiral/ oblique/segmental, Nonunions/Malunions, Prophylactic nailings of impending pathological fractures, Intertrochanteric, Subtrochanteric, Ipsilateral neck/shaft fractures.

TAN, Greater Troch Entry – Easier to locate entry portal, TAN nail may better address obese patients, polytraumatic patients, and adolescent patients. Great alternative to other Trochanteric nails on the market, smaller proximal portion. No other company offers a TAN-like implant. Great nail for addressing obese patients.

Round Geometry – Less Bony In-growth, easier to remove.

Proximal Interlocking in 3 different planes – Based on ILIZAROV™... Principles – increased stability.

Multiplanar Locking Capabilities – Controls rotation and translation, and increases stability

Knee Nails

Several indications per nail.

Designed to fit both Tibia and Retrograde Femur -

Shaft fractures between the proximal and distal third, Transverse/comminuted/spiral/oblique/segmental, Nonunions/Malunions, Prophylactic nailings of impending pathological fractures, Supracondylar Fx's (with or without intra-articular extension), Periprosthetic Fx's.

Round Geometry – Less Bony In-growth, easier to remove.

Proximal Interlocking in 3 different planes – Based on ILIZAROV Principles - increased stability, rotational control, 3 screws within 40mm of nail tip, extremely stable construct.

Distal Locking Multiplanar – 2 A-P & 2 M-L, Most Distal Lock 5mm from nail tip (Distal Tibia) allows for lower fractures, 4 screws within 50mm of nail tip, dynamization slot located at nail tip, ability to angle screw and grab very distal fragments.

Screws

Internal Captured, minimal screw sizes – Enlarged thread diameter under screw head allows for greater bone purchase. Less inventory, easy identification, Innovative patented internal captured hex assists in removal and insertion, rounded head and low profile minimizes soft tissue irritation.

Instruments

One tray of instruments for all implants (includes reamers and quick connect system).

Universal Extractor – Removes competitive nails.

Entry Tool – Allows for a minimally invasive approach - soft tissue protection, improves blood management and precision placement of guide pin.

Proximal Reamer – Automatically over reams for proximal aspect of Hip Nails, minimally invasive versus curved awl.

Reducer – (7.6mm OD 5.2mm ID) Tip works like a "Finger" to reduce Fx Fragments, guide rod is inserted after reduction. No need to exchange the guide wire, and reducer tip is curved for precision placement of the ball-tipped guide rod.

Ruler – Slips over the guide rod to offer a more convenient method of measuring. Allows the measurement of screw lengths with the use of imaging and used with the same ball-tipped guide rod.

Humeral

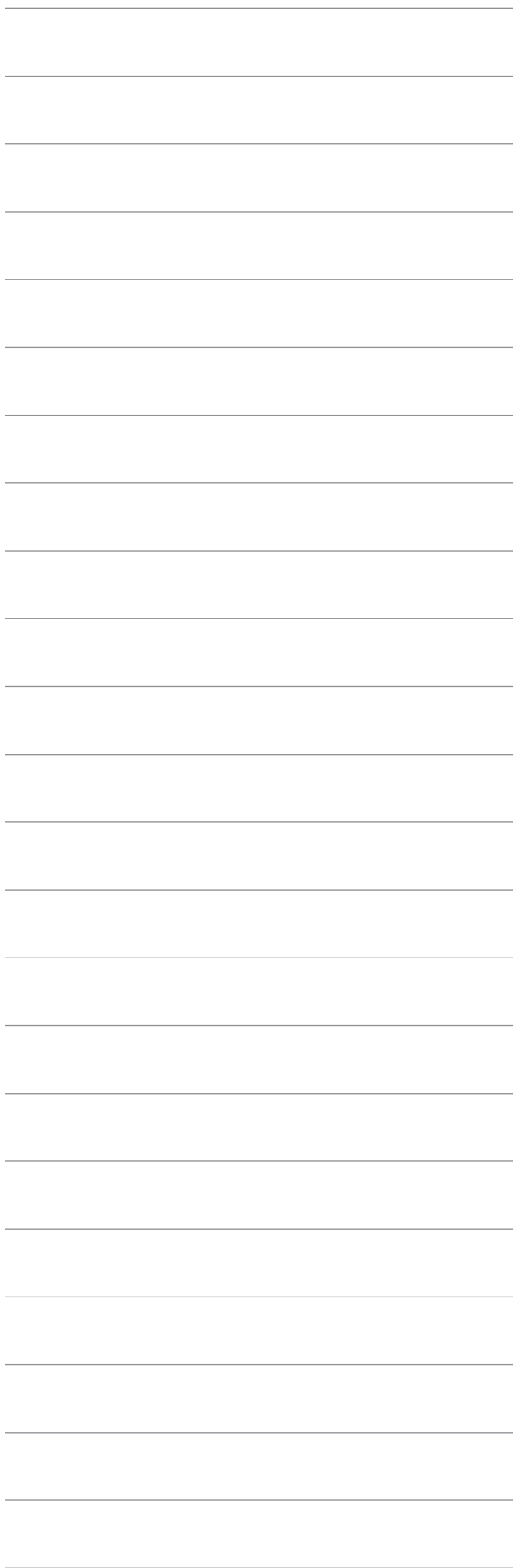
- Four multiplanar proximal locks improve fracture stability
- Proximal locking holes (3) have innovative threaded design. Screws thread into the nail to help prevent screw back-out.
- Humeral nail instrumentation was designed using the TRIGEN® philosophy of instrumentation, that is minimally invasive while reducing surgery time and helping to protect soft tissue.

Hindfoot Fusion Nail

- Simplified instrumentation and anatomically designed implants included as part of the TRIGEN line
- Diverging screw angles allow the surgeon to target specific bones and joints
- Distal threaded screw holes help to reduce risk of screw back out while adding stability
- Various screw sizes give the surgeon more options for patient care
- Rotational stability achieved with proximal static locking hole or dynamic compression slot
- Dynamic compression slot allows up to 5mm of late controlled compression
- Internal hex captured locking screws help to ease screw insertion
- Anatomically designed implants (left and right)

Notes

[illegible]



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