

One **NAIL**. Two Screws.

STRENGTH in Numbers.

The new VeroNail from Orthofix combines the advantages of intramedullary nailing with high cephalic stability. Its double axis cephalic screws allow either parallel sliding screw or convergent locking screw placement to provide the surgeon with one nail to treat even the most difficult pertrochanteric fractures.

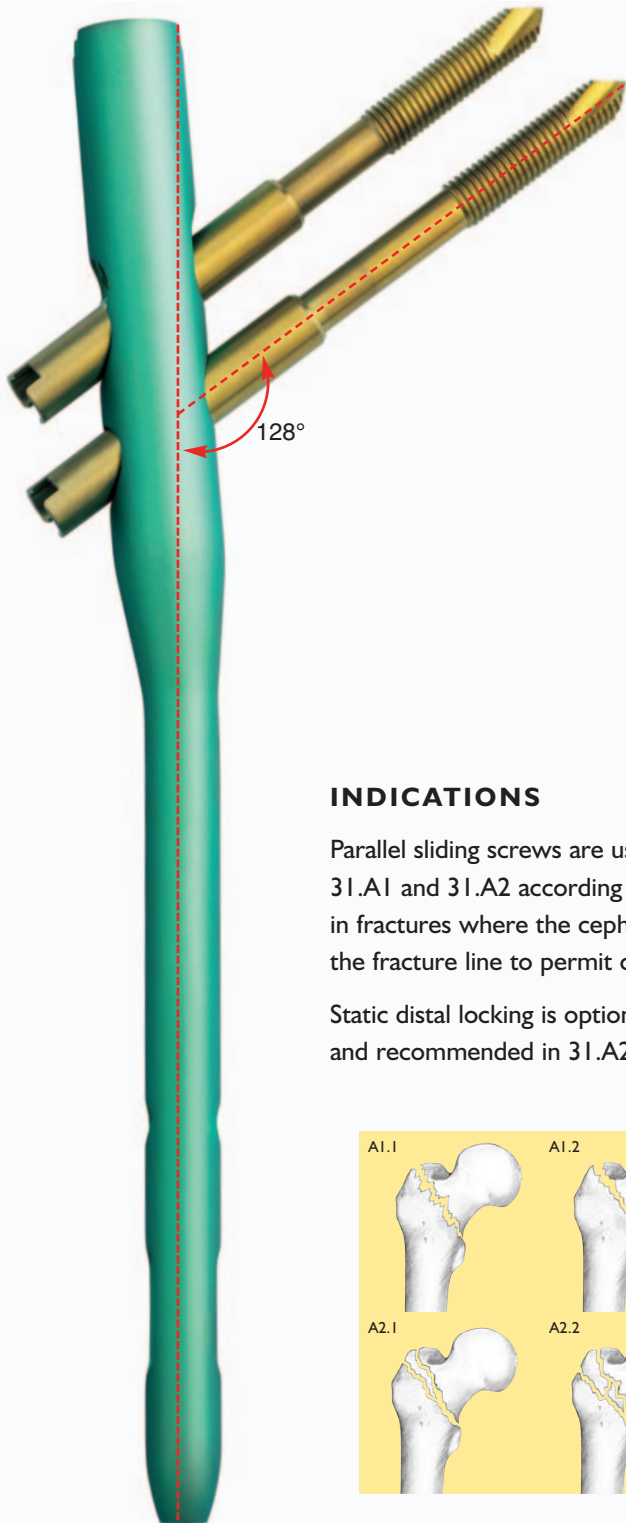
- Rotational stability
- Reduced Nail Diameter
- Lateral wall preservation via two small cephalic screws
- MRI compatible titanium nail and locking screws

VERO
NAIL
Trochanteric System

Two Screws. Two Configurations.

Proximal locking can be accomplished in two possible configurations: parallel by means of two sliding screws that permit controlled compaction of the fracture site, or convergent with two screws converging in the femoral head and locked firmly to the nail.

PARALLEL CONFIGURATION



In the parallel configuration, the screw to nail angle is 128° , a favorable angle for sliding. The combination of a favorable sliding angle with the double axis fixation provides excellent rotational stability and optimum conditions for controlled fracture impaction.

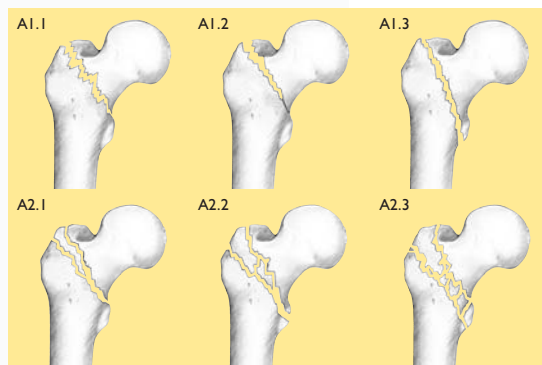


The telescopic sliding screws utilize a sleeve which is screwed into the nail, and a screw with a self-drilling and self-tapping thread.

INDICATIONS

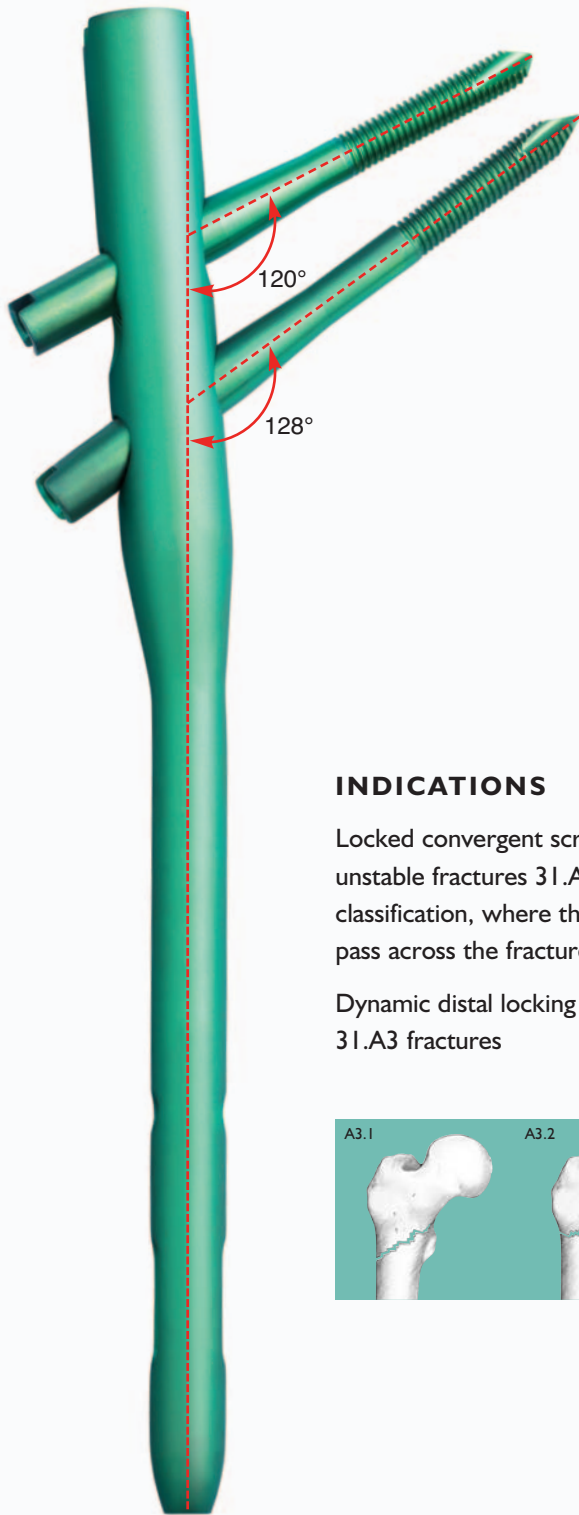
Parallel sliding screws are used to treat fractures 31.A1 and 31.A2 according to the AO classification in fractures where the cephalic screws pass across the fracture line to permit controlled compaction.

Static distal locking is optional in 31.A1 fractures and recommended in 31.A2 fractures.



One Very Robust Nailing System.

CONVERGENT CONFIGURATION



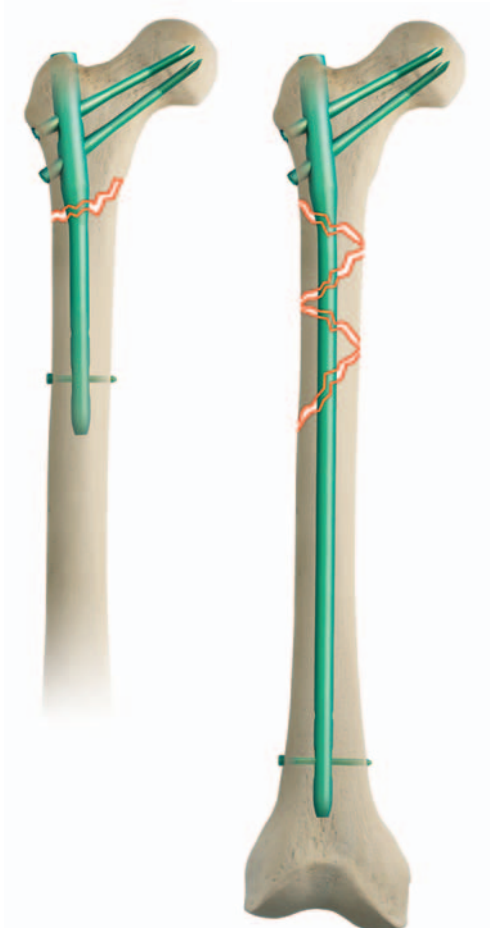
In the convergent configuration the distal cephalic screw has a 128° neck angle and the proximal cephalic screw a 120° angle. The convergent configuration allows cephalic screws to be fitted in very narrow necks, and provides very stable fixation with locked screws for subtrochanteric fractures.



INDICATIONS

Locked convergent screws are used to treat unstable fractures 31.A3 according to the AO classification, where the cephalic screws do not pass across the fracture line

Dynamic distal locking is recommended in 31.A3 fractures



CLINICAL CASES

PARALLEL CONFIGURATION: TYPE A1.1 FRACTURE

- 97 year old woman
- Full weightbearing at 10 days postoperatively
- Modified Harris Hip Score before trauma: 76
- Modified Harris Hip Score at 6 weeks: 60



Preoperative



Postoperative



4 weeks



4 months



4 months

Case Provided by **Dr. F. Lavini**
Institute of Clinical Orthopaedics and Traumatology, University of Verona, Verona, Italy

CONVERGENT CONFIGURATION: TYPE A3.3 FRACTURE

- 63 year old woman
- Full weightbearing at 4 months
- Modified Harris Hip Score before trauma: 91
- Modified Harris Hip Score at 4 months: 87



Postoperative



6 weeks



6 weeks



3 months

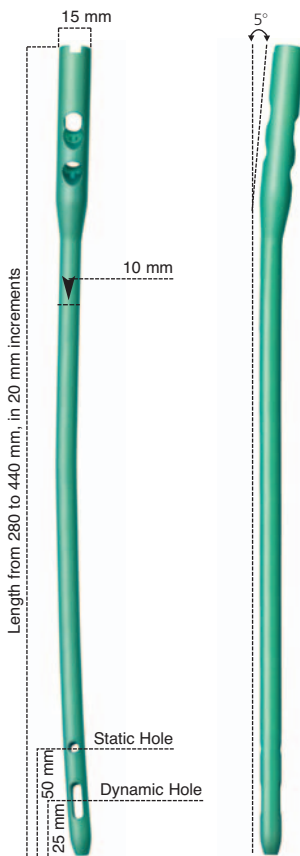


4 months

Case Provided by **Dr. L. Renzi-Brivio**
Carlo Poma Hospital, Mantova, Italy

The Long and the Short of it.

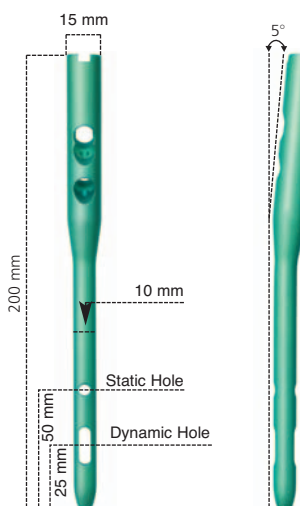
LONG NAIL



The long nail is designed with curvature to match the average procurvatum of the femur and a 10° anteversion for the neck screws.

Proximally it has a diameter of 15 mm, distally 10 mm, and length from 280 to 440 mm in 20 mm increments.

SHORT NAIL



The short nail is available in a single size with proximal diameter of 15 mm and distal diameter of 10 mm, a 5° ML bend and a length of 200 mm.

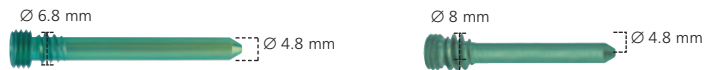
- The small nail diameter reduces anterior cortex impingement.
- The proximal end length avoids nail prominence at the greater trochanter.

DISTAL LOCKING

Distal locking may be static or dynamic, according to whether the screw is positioned in the round or oval hole in the nail shaft.

4.8 mm peg design increases fatigue resistance.

Distal Standard Locking Screws Distal Revision Locking Screws



The Revision Locking Screws are useful for distal locking when the bone is very osteoporotic or when freehand manoeuvres with long nails result in a slightly bigger hole in the distal lateral cortex.

Short Nail Sterile		
Code N.	Dia.	Length
99-T79020	15/10 mm	200 mm

Left Long Nail, Sterile		
Code N.	Dia.	Length
99-T79028L	15/10 mm	280 mm
99-T79030L	15/10 mm	300 mm
99-T79032L	15/10 mm	320 mm
99-T79034L	15/10 mm	340 mm
99-T79036L	15/10 mm	360 mm
99-T79038L	15/10 mm	380 mm
99-T79040L	15/10 mm	400 mm
99-T79042L	15/10 mm	420 mm
99-T79044L	15/10 mm	440 mm

Right Long Nail, Sterile		
Code N.	Dia.	Length
99-T79028R	15/10 mm	280 mm
99-T79030R	15/10 mm	300 mm
99-T79032R	15/10 mm	320 mm
99-T79034R	15/10 mm	340 mm
99-T79036R	15/10 mm	360 mm
99-T79038R	15/10 mm	380 mm
99-T79040R	15/10 mm	400 mm
99-T79042R	15/10 mm	420 mm
99-T79044R	15/10 mm	440 mm

End Cap, Sterile	
Code N.	Description
99-T79401	END CAP

Distal Standard Locking Screw, Sterile		
Code N.	Dia.	Length
99-T79925	4.8 mm	25 mm
99-T79930	4.8 mm	30 mm
99-T79935	4.8 mm	35 mm
99-T79940	4.8 mm	40 mm
99-T79945	4.8 mm	45 mm
99-T79950	4.8 mm	50 mm
99-T79955	4.8 mm	55 mm
99-T79960	4.8 mm	60 mm
99-T79965	4.8 mm	65 mm
99-T79970	4.8 mm	70 mm
99-T79975	4.8 mm	75 mm
99-T79980	4.8 mm	80 mm
99-T79985	4.8 mm	85 mm
99-T79990	4.8 mm	90 mm

Parallel Sliding Screw, Sterile	
Code N.	Length
99-T79770	70 mm
99-T79775	75 mm
99-T79780	80 mm
99-T79785	85 mm
99-T79790	90 mm
99-T79795	95 mm
99-T79700	100 mm
99-T79705	105 mm
99-T79710	110 mm
99-T79715	115 mm

Convergent Fixed Screw, Sterile	
Code N.	Length
99-T79670	70 mm
99-T79675	75 mm
99-T79680	80 mm
99-T79685	85 mm
99-T79690	90 mm
99-T79695	95 mm
99-T79600	100 mm
99-T79605	105 mm
99-T79610	110 mm
99-T79615	115 mm

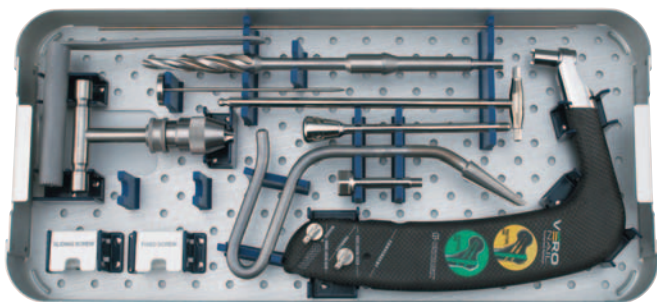
Distal Revision Locking Screw, Sterile		
Code N.	Dia.	Length
99-T74530	4.8 mm	30 mm
99-T74535	4.8 mm	35 mm
99-T74540	4.8 mm	40 mm
99-T74545	4.8 mm	45 mm
99-T74550	4.8 mm	50 mm
99-T74555	4.8 mm	55 mm
99-T74560	4.8 mm	60 mm
99-T74565	4.8 mm	65 mm
99-T74570	4.8 mm	70 mm
99-T74575	4.8 mm	75 mm
99-T74580	4.8 mm	80 mm
99-T74585	4.8 mm	85 mm
99-T74590	4.8 mm	90 mm

ORDERING INFORMATION

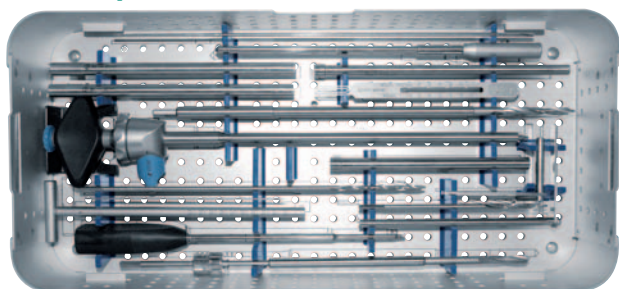
Instruments	
Code N.	Description
17940	CEPHALIC SCREW GUIDE
17942	SCREW GUIDE
17943	DRILL GUIDE
17944	CEPHALIC WIRE GUIDE
17946	CALCAR DRILL STOP
17950	TROCAR
17963	CEPHALIC SCREWDRIVER
17970	CEPHALIC DRILL BIT, Ø 7.5 mm
17971	OPTIONAL CALCAR DRILL BIT, Ø 7.5 mm
17980	SCREW RULER
173287	K-WIRE 2x220 mm
173320	CANNULATED SCREW DRIVER
1102001	GRADUATED DRILL BIT, 4.8x330 mm
17652	LOCKING SCREW EXTRACTOR
17976	SHORT GRADUATED DRILL BIT 4.8x180 mm
17949	SHORT DRILL GUIDE
17972	CEPHALIC WIRE 4x400 mm
17986	VERONAIL OVERLAY RULER (not illustrated)
17915	RADIOLUCENT HANDLE
17935	INSERTION KNOB
17930	LOCKING ROD
17975	CANNULATED AWL
17926	SCREW GUIDE LOCKING CAM
17955	UNIVERSAL CHUCK WITH T-HANDLE
17947	PROTECTION SLEEVE
17948	WIRE GUIDE, 16 mm/3.5 mm, L 125 mm
17973	3 mm TROCAR, 145 mm
17974	CANNULATED DRILL BIT
17965	6 mm POLYHEDRAL T-HANDLE WRENCH
173288	WIRE 3x400 mm
173276	RULER SUPPORT (not illustrated)
17985	VERONAIL RULER (not illustrated)
173281*	GUIDE WIRE 3x980 WITH OLIVE
176281*	GUIDE WIRE 2.5x980 WITHOUT OLIVE
17995	VERONAIL INSTRUMENTS BOX, EMPTY

*Outside of tray

Upper tray



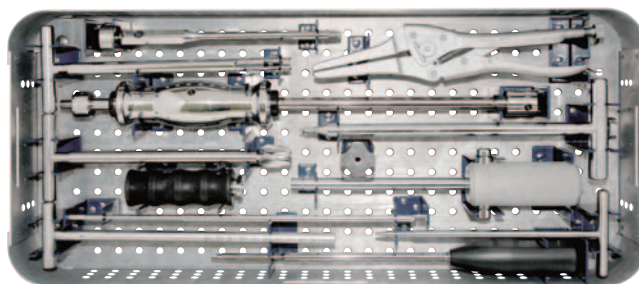
Lower tray



17996C Veronail Extraction Kit	
Code N.	Description
173370	SLIDING HAMMER
170035	EXTRACTOR HANDLE
17652	LOCKING SCREW EXTRACTOR
173320	CANNULATED SCREW DRIVER
17936	VERONAIL EXTRACTOR
17966	HEX SCREW DRIVER
17969	NEEDLE NOSE LOCKING PLIERS - 9 1/2"
17968	EXTRACTOR DIAMETER 2,5 mm
17977	MANUAL TREPINE
17978	PLIER CUTTER
*17967	SLIDING SCREW EXTRACTOR (KIT)
	Consisting of:
170953	SLIDING SCREW EXTRACTOR HANDLE
170980	SLIDING SCREW EXTRACTOR ROD
	WITH 3 mm WIRE
17985	NUT
17966	VERONAIL EXTRACTION KIT STERI-BOX EMPTY

* It can only be ordered as a kit.

Material out of the tray	
Code N.	Description
173287	K-WIRE Ø 2 x 200 mm
173288	THREADED WIRE 3 x 400 mm



Your Distributor is:

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