

EXPERT FEMORAL

EXPERT FEMORAL NAILING SYSTEM



about us

Auxein Medical is an integrated, research based, orthopaedic Implants & Instruments manufacturing company, producing a wide range of quality, affordable generic implants, trusted by healthcare professionals and patients across geographies. It is the Company's constant endeavor to provide a wide basket of generic and innovator products that exceed the highest expectations of our customers in term of quality and safety. The company has world-class manufacturing unit established in India and serves customers in over 60 countries worldwide.

Our Achievements

US FDA 510K APPROVED •

(Locking Plates and Screws)

EC Certificate - Class IIa & IIb •

ISO 13485:2016 •

ISO 9001:2015 •

India FDA Approved •

GMP Certificate •

Orthopaedic Implants

INTRODUCTION

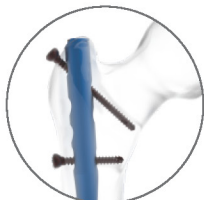
The Expert Femoral Nail enables the surgeon to stabilize subtrochanteric femoral fractures, ipsilateral neck/shaft fractures, femoral shaft fractures, impending pathological fractures, malunions and nonunions.

LOCKING OPTIONS

Standard Locking

The Expert Femoral Nail with standard locking is indicated for fractures in femoral shaft (except subtrochanteric fractures).

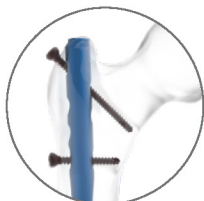
- For sufficient proximal **static** locking, always use the 120° antegrade locking option together with the transverse static screw.



- For immediate **primary dynamization**, insert only one proximal locking screw through the dynamic slot.



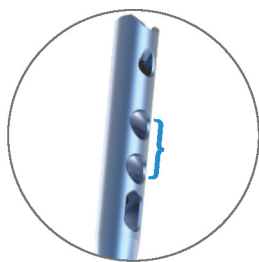
- For **secondary dynamization** use both the dynamic and the 120° antegrade locking position and remove the 120° locking when required.



Reconstruction Locking

The Expert Femoral Nail with reconstruction locking is indicated for subtrochanteric fractures in addition with femoral shaft and neck fractures.

The use of two Ø6.4mm Cannulated Anti-Rotation screws ensures optimal stabilization for the treatment of combined femoral neck and shaft fractures.



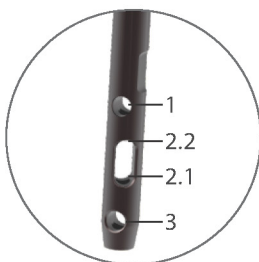
Ø6.4mm Cannulated
Anti-Rotation screws



Distal Locking

The distal segment can be stabilized by using two Ø4.8mm Locking Bolts. Stability of the distal fragment can be enhanced by the use of a third Ø4.8mm Locking Bolt in the oblique hole.

1. Static Hole
2. Dynamic Hole (2.1 Dynamic Position & 2.2 Static Position)
3. Static hole



For sufficient distal **static** locking, it is suggested that **a minimum of two locking screws** should be used

COMPRESSION

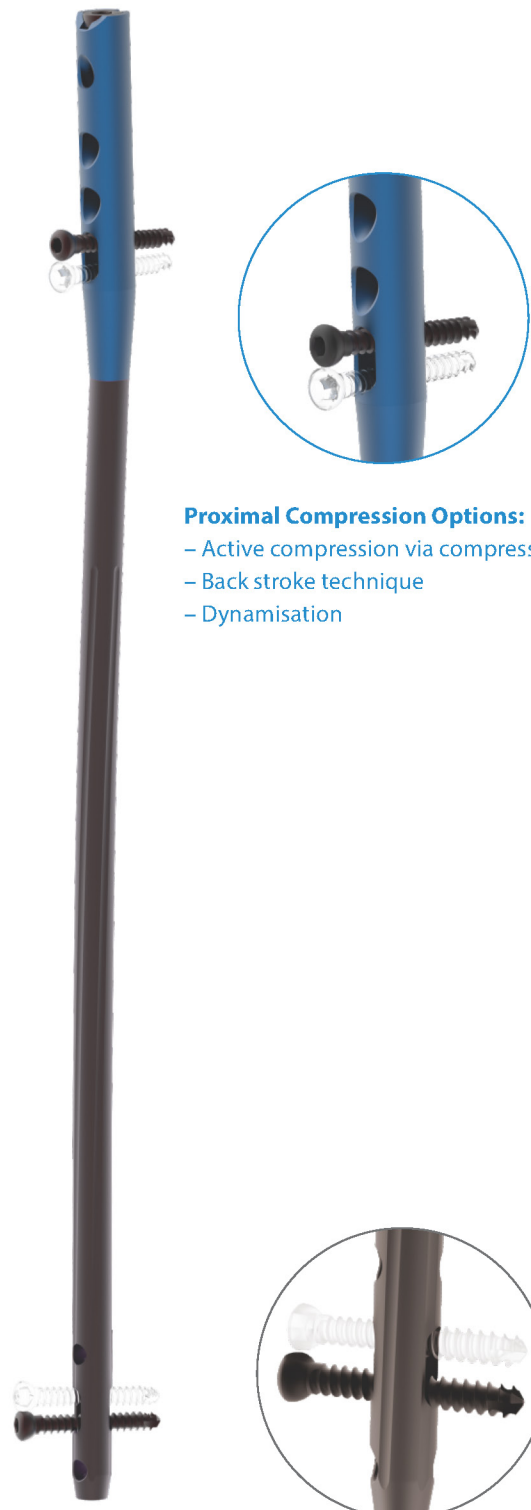
It is recommended to close fracture gaps in order to decrease the incidence of nonunion or malunion. The Expert Femoral Nail offers two compression options.

Proximal Compression :

If proximal compression is planned, over-insert the nail to compensate for back striking the nail, active compression with compression screw or proximal dynamisation, the final position (after compression) of the nail should be flush with the trochanteric cortex.

Distal Dynamisation:

If distal dynamisation is planned, the tip of the nail will slide maximum by 9mm distally. In order to protect the articulating surface of the distal femur. This movement has to be taken into account when choosing the length and insertion of the implant.



Proximal Compression Options:

- Active compression via compression screw
- Back stroke technique
- Dynamisation

Distal Compression:

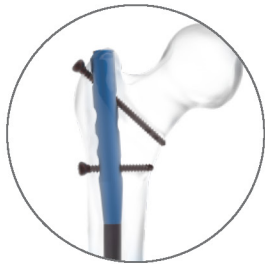
- Dynamisation

INDICATIONS

Standard Locking Indications

The Expert Femoral Nail with standard locking is indicated for fractures in the Femoral Shaft:

32-A/B/C (except subtrochanteric fractures 32-A [1-3].1, 32-B [1-3].1, and 32-C [1-3].1).



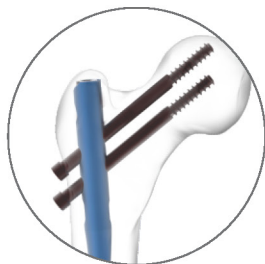
Reconstruction Locking Indications

The Expert Femoral Nail with reconstruction locking is indicated for fractures in the femoral shaft in case of combination with femoral neck fractures:

32-A/B/C combined with 31-B (double ipsilateral fractures).

Additionally the Expert Femoral Nail is indicated for fractures in the subtrochanteric section:

32-A [1-3].1, 32-B [1-3].1, and 32-C [1-3].1.



Contraindications

- Isolated femoral neck fractures.
- Supracondylar fractures (localisation 32).
- Intertrochanteric fractures
- Pertrochanteric fractures



PRODUCT SPECIFICATIONS

Expert Femoral Nail

Diameters:

Ø9mm, Ø10mm, Ø11mm, Ø12mm & Ø13mm

Length:

320mm - 440mm (With 20mm difference)

Available in:

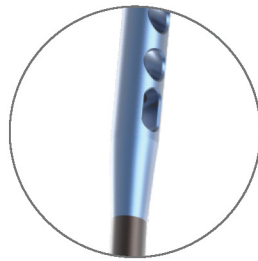
Stainless Steel and Titanium

Directions:

Left and Right



Right
Golden & Type-II



Left
Blue & Type-II

Color Coding (*only for Titanium*):

Expert Femoral Nail, Left - Blue & Type-II

Expert Femoral Nail, Right - Golden & Type-II

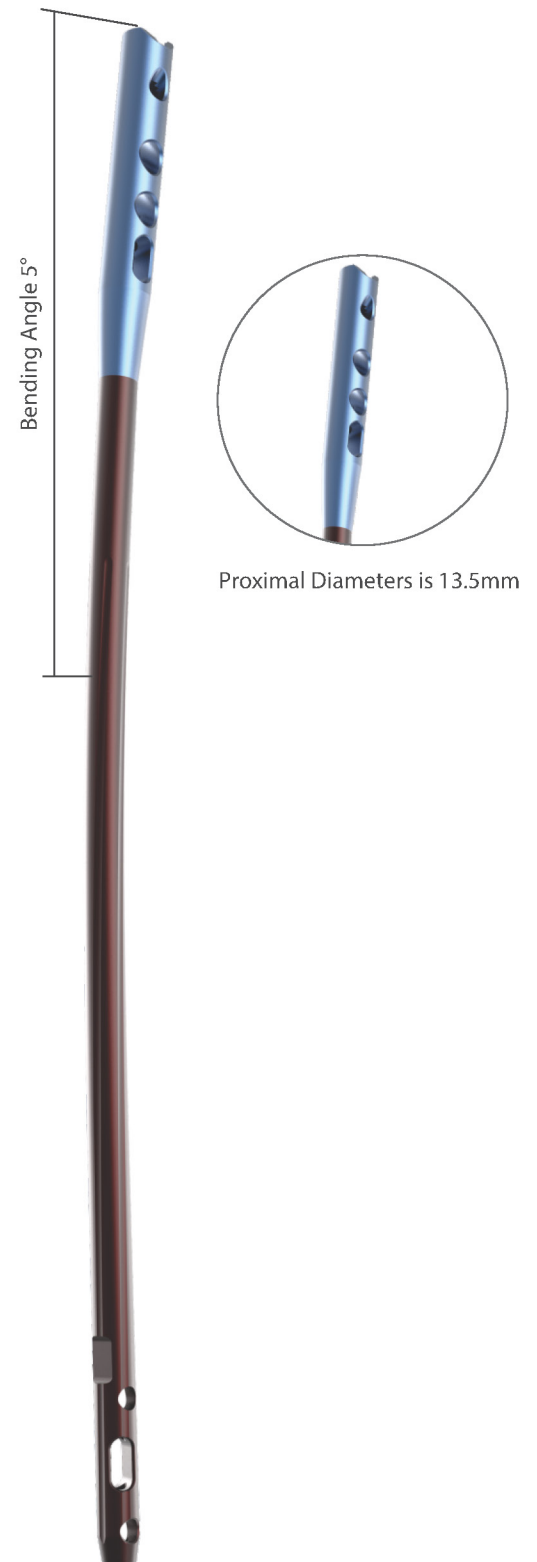
Cannulation:

All Expert Femoral Nails are cannulated for reamed or unreamed techniques.

Ball tip reaming rod can be removed through the nail and insertion handle assembly to eliminate need for an exchange tube.

Advanced Nail Design:

- New anatomic bend for ease of nail insertion and extraction.
- Design accommodates a lateral entry site through the greater trochanter.
- Anatomical nail design based on a femoral canal study.
- Easier surgical procedure due to steamlined instrumentation.



End Cap

Length:

0mm, 5mm, 10mm, 15mm and 20mm

Available in:

Stainless Steel and Titanium

Color coding (only for Titanium):

Type-II for End Cap

Features:

- End Cap prevents ingrowth of hard & soft tissue which facilitates nail extraction.
- 0 mm End Cap sits flush with nail.
- End Cap with different option of length can extend nail height if nail is over inserted.



Ø4.8mm Locking Bolt

Length:

26mm - 84mm (With 2mm difference)

Available in:

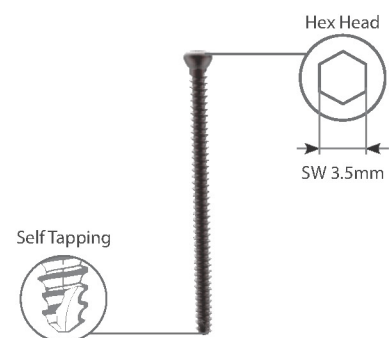
Stainless Steel and Titanium

Color Coding (only for Titanium):

Type-II or Ø4.8mm Locking Bolt

Features:

- Thread closer to screw head for better and improved stability
- Self Tapping
- Hex head
- Larger cross section for improved mechanical resistance.



Ø6.4mm Cannulated Anti-Rotation Screw

Length:

60mm - 130mm (With 5mm difference)

Available in:

Stainless Steel and Titanium

Color Coding (only for Titanium):

Type-II For Ø6.4mm Cannulated Anti-Rotation Screw

Features:

- Cannulated
- Hex head



Entry Point:

The entry point is a determinant factor for the entire operation, especially for the optimal final position of the Expert Femoral Nail in the medullary canal.



In AP view, the entry point is at the tip of the greater trochanter, approximately 5° lateral to the axis of the medullary canal.

In lateral view the entry point is in line with the axis of the intramedullary canal.

Expert Femoral Nail

Stainless Steel			
	(Left)	(Right)	Dia x Length
Ø9mm	1459-9-320L	1459-9-320R	Ø9mm x 320mm
	1459-9-340L	1459-9-340R	Ø9mm x 340mm
	1459-9-360L	1459-9-360R	Ø9mm x 360mm
	1459-9-380L	1459-9-380R	Ø9mm x 380mm
	1459-9-400L	1459-9-400R	Ø9mm x 400mm
	1459-9-420L	1459-9-420R	Ø9mm x 420mm
	1459-9-440L	1459-9-440R	Ø9mm x 440mm
Ø10mm	1459-10-320L	1459-10-320R	Ø10mm x 320mm
	1459-10-340L	1459-10-340R	Ø10mm x 340mm
	1459-10-360L	1459-10-360R	Ø10mm x 360mm
	1459-10-380L	1459-10-380R	Ø10mm x 380mm
	1459-10-400L	1459-10-400R	Ø10mm x 400mm
	1459-10-420L	1459-10-420R	Ø10mm x 420mm
	1459-10-440L	1459-10-440R	Ø10mm x 440mm
Ø11mm	1459-11-320L	1459-11-320R	Ø11mm x 320mm
	1459-11-340L	1459-11-340R	Ø11mm x 400mm
	1459-11-360L	1459-11-360R	Ø11mm x 360mm
	1459-11-380L	1459-11-380R	Ø11mm x 380mm
	1459-11-400L	1459-11-400R	Ø11mm x 400mm
	1459-11-420L	1459-11-420R	Ø11mm x 420mm
	1459-11-440L	1459-11-440R	Ø11mm x 440mm
Ø12mm	1459-12-320L	1459-12-320R	Ø12mm x 320mm
	1459-12-340L	1459-12-340R	Ø12mm x 340mm
	1459-12-360L	1459-12-360R	Ø12mm x 360mm
	1459-12-380L	1459-12-380R	Ø12mm x 380mm
	1459-12-400L	1459-12-400R	Ø12mm x 400mm
	1459-12-420L	1459-12-420R	Ø12mm x 420mm
	1459-12-440L	1459-12-440R	Ø12mm x 440mm
Ø13mm	1459-13-320L	1459-13-320R	Ø13mm x 320mm
	1459-13-340L	1459-13-340R	Ø13mm x 340mm
	1459-13-360L	1459-13-360R	Ø13mm x 360mm
	1459-13-380L	1459-13-380R	Ø13mm x 380mm
	1459-13-400L	1459-13-400R	Ø13mm x 400mm
	1459-13-420L	1459-13-420R	Ø13mm x 420mm
	1459-13-440L	1459-13-440R	Ø13mm x 440mm



Expert Femoral Nail

		Titanium		
		(Left)	(Right)	Dia x Length
Ø9mm	TI-1459-9-320L		TI-1459-9-320R	Ø9mm x 320mm
	TI-1459-9-340L		TI-1459-9-340R	Ø9mm x 340mm
	TI-1459-9-360L		TI-1459-9-360R	Ø9mm x 360mm
	TI-1459-9-380L		TI-1459-9-380R	Ø9mm x 380mm
	TI-1459-9-400L		TI-1459-9-400R	Ø9mm x 400mm
	TI-1459-9-420L		TI-1459-9-420R	Ø9mm x 420mm
	TI-1459-9-440L		TI-1459-9-440R	Ø9mm x 440mm
Ø10mm	TI-1459-10-320L		TI-1459-10-320R	Ø10mm x 320mm
	TI-1459-10-340L		TI-1459-10-340R	Ø10mm x 340mm
	TI-1459-10-360L		TI-1459-10-360R	Ø10mm x 360mm
	TI-1459-10-380L		TI-1459-10-380R	Ø10mm x 380mm
	TI-1459-10-400L		TI-1459-10-400R	Ø10mm x 400mm
	TI-1459-10-420L		TI-1459-10-420R	Ø10mm x 420mm
	TI-1459-10-440L		TI-1459-10-440R	Ø10mm x 440mm
Ø11mm	TI-1459-11-320L		TI-1459-11-320R	Ø11mm x 320mm
	TI-1459-11-340L		TI-1459-11-340R	Ø11mm x 400mm
	TI-1459-11-360L		TI-1459-11-360R	Ø11mm x 360mm
	TI-1459-11-380L		TI-1459-11-380R	Ø11mm x 380mm
	TI-1459-11-400L		TI-1459-11-400R	Ø11mm x 400mm
	TI-1459-11-420L		TI-1459-11-420R	Ø11mm x 420mm
	TI-1459-11-440L		TI-1459-11-440R	Ø11mm x 440mm
Ø12mm	TI-1459-12-320L		TI-1459-12-320R	Ø12mm x 320mm
	TI-1459-12-340L		TI-1459-12-340R	Ø12mm x 340mm
	TI-1459-12-360L		TI-1459-12-360R	Ø12mm x 360mm
	TI-1459-12-380L		TI-1459-12-380R	Ø12mm x 380mm
	TI-1459-12-400L		TI-1459-12-400R	Ø12mm x 400mm
	TI-1459-12-420L		TI-1459-12-420R	Ø12mm x 420mm
	TI-1459-12-440L		TI-1459-12-440R	Ø12mm x 440mm
Ø13mm	TI-1459-13-320L		TI-1459-13-320R	Ø13mm x 320mm
	TI-1459-13-340L		TI-1459-13-340R	Ø13mm x 340mm
	TI-1459-13-360L		TI-1459-13-360R	Ø13mm x 360mm
	TI-1459-13-380L		TI-1459-13-380R	Ø13mm x 380mm
	TI-1459-13-400L		TI-1459-13-400R	Ø13mm x 400mm
	TI-1459-13-420L		TI-1459-13-420R	Ø13mm x 420mm
	TI-1459-13-440L		TI-1459-13-440R	Ø13mm x 440mm



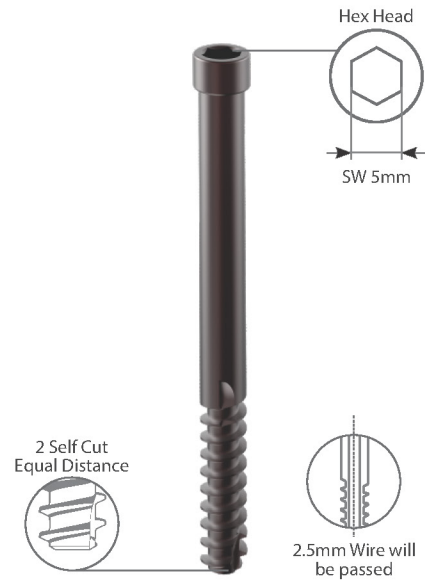
**Ø4.8mm Locking Bolt, Self Tapping
(For Expert Femoral Nail)**

Stainless Steel	Titanium	Length
1458-4.8-026	TI-1458-4.8-026	26mm
1458-4.8-028	TI-1458-4.8-028	28mm
1458-4.8-030	TI-1458-4.8-030	30mm
1458-4.8-032	TI-1458-4.8-032	32mm
1458-4.8-034	TI-1458-4.8-034	34mm
1458-4.8-036	TI-1458-4.8-036	36mm
1458-4.8-038	TI-1458-4.8-038	38mm
1458-4.8-040	TI-1458-4.8-040	40mm
1458-4.8-042	TI-1458-4.8-042	42mm
1458-4.8-044	TI-1458-4.8-044	44mm
1458-4.8-046	TI-1458-4.8-046	46mm
1458-4.8-048	TI-1458-4.8-048	48mm
1458-4.8-050	TI-1458-4.8-050	50mm
1458-4.8-052	TI-1458-4.8-052	52mm
1458-4.8-054	TI-1458-4.8-054	54mm
1458-4.8-056	TI-1458-4.8-056	56mm
1458-4.8-058	TI-1458-4.8-058	58mm
1458-4.8-060	TI-1458-4.8-060	60mm
1458-4.8-062	TI-1458-4.8-062	62mm
1458-4.8-064	TI-1458-4.8-064	64mm
1458-4.8-066	TI-1458-4.8-066	66mm
1458-4.8-068	TI-1458-4.8-068	68mm
1458-4.8-070	TI-1458-4.8-070	70mm
1458-4.8-072	TI-1458-4.8-072	72mm
1458-4.8-074	TI-1458-4.8-074	74mm
1458-4.8-076	TI-1458-4.8-076	76mm
1458-4.8-078	TI-1458-4.8-078	78mm
1458-4.8-080	TI-1458-4.8-080	80mm
1458-4.8-082	TI-1458-4.8-082	82mm
1458-4.8-084	TI-1458-4.8-084	84mm



Ø6.4mm Cannulated Anti-Rotation Screw (For Expert Femoral Nail)

Stainless Steel	Titanium	Length
1459-060	TI-1459-060	60mm
1459-065	TI-1459-065	65mm
1459-070	TI-1459-070	70mm
1459-075	TI-1459-075	75mm
1459-080	TI-1459-080	80mm
1459-085	TI-1459-085	85mm
1459-090	TI-1459-090	90mm
1459-095	TI-1459-095	95mm
1459-100	TI-1459-100	100mm
1459-105	TI-1459-105	105mm
1459-110	TI-1459-110	110mm
1459-115	TI-1459-115	115mm
1459-120	TI-1459-120	120mm
1459-125	TI-1459-125	125mm
1459-130	TI-1459-130	130mm



End Cap For Expert Femoral Nail

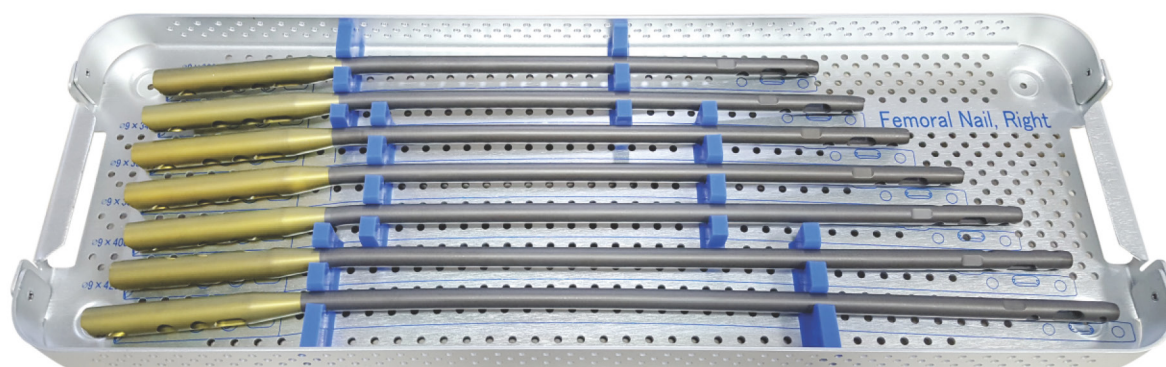
Stainless Steel	Titanium	Length
1459-01	TI-1459-01	0mm
1459-05	TI-1459-05	5mm
1459-10	TI-1459-10	10mm
1459-15	TI-1459-15	15mm
1459-20	TI-1459-20	20mm



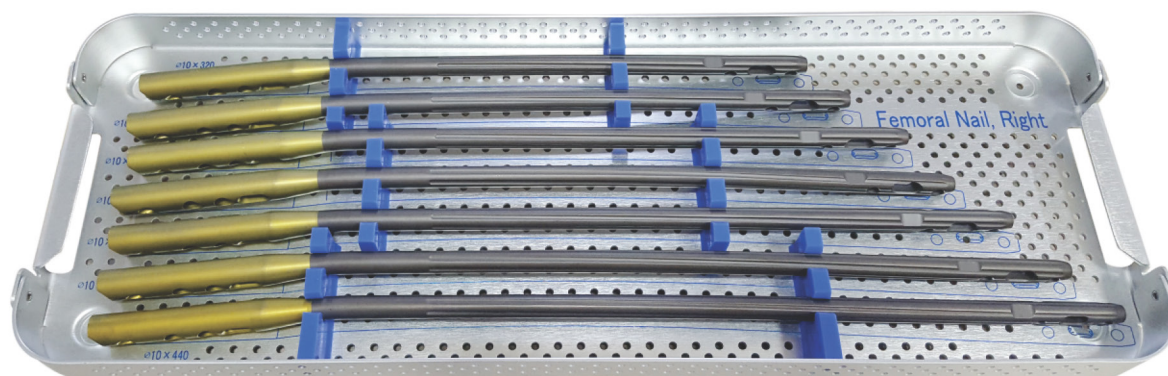
Expert Femoral Nail Implant Set, Right

1-002RTI Titanium | **1-002RSS** Stainless Steel

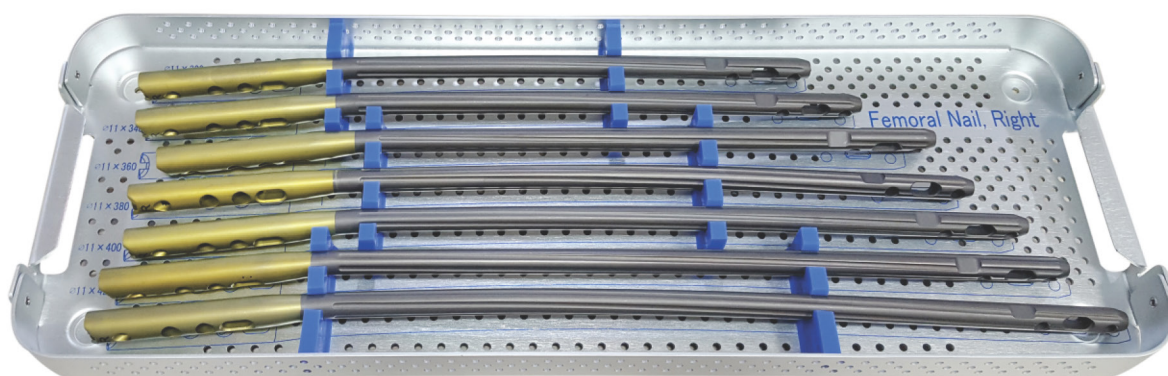


Tray-1 For Expert Femoral Nail Ø9mm, Right


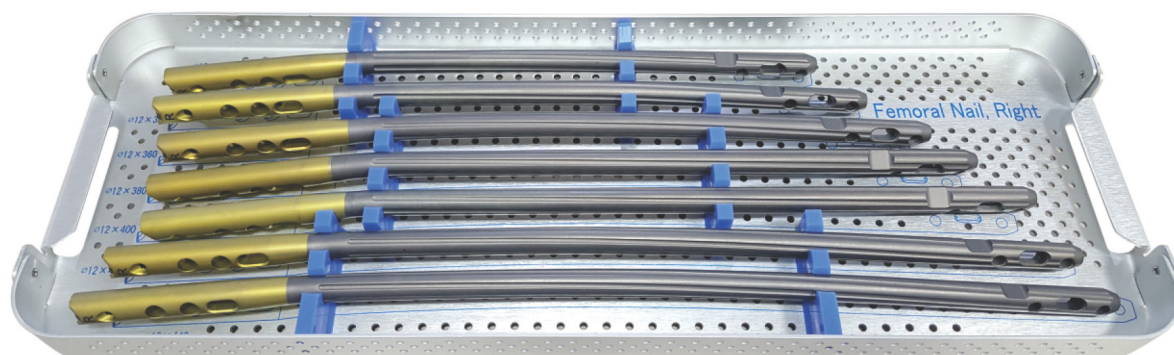
Stainless Steel	Titanium	Dimension	Units
1459-9-320R	TI-1459-9-320R	Ø9mm x 320mm	1
1459-9-340R	TI-1459-9-340R	Ø9mm x 340mm	1
1459-9-360R	TI-1459-9-360R	Ø9mm x 360mm	1
1459-9-380R	TI-1459-9-380R	Ø9mm x 380mm	1
1459-9-400R	TI-1459-9-400R	Ø9mm x 400mm	1
1459-9-420R	TI-1459-9-420R	Ø9mm x 420mm	1
1459-9-440R	TI-1459-9-440R	Ø9mm x 440mm	1

Tray-2 For Expert Femoral Nail Ø10mm, Right


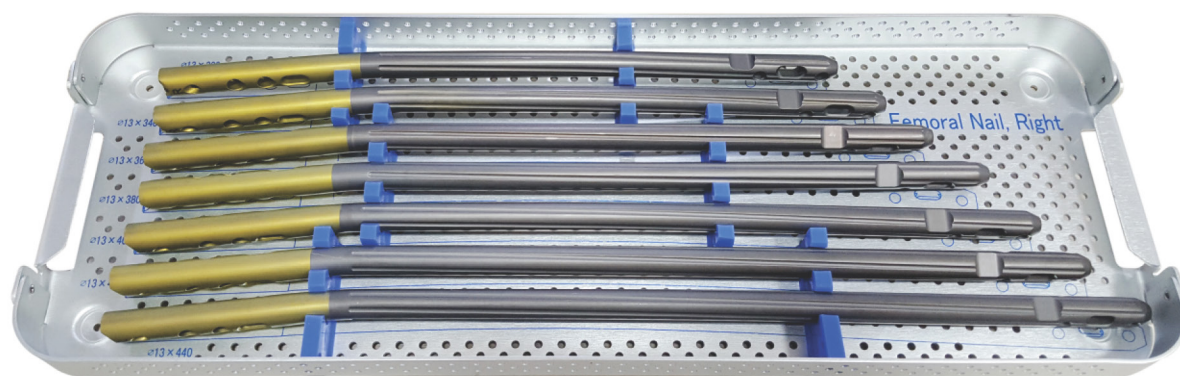
Stainless Steel	Titanium	Dimension	Units
1459-10-320R	TI-1459-10-320R	Ø10mm x 320mm	1
1459-10-340R	TI-1459-10-340R	Ø10mm x 340mm	1
1459-10-360R	TI-1459-10-360R	Ø10mm x 360mm	1
1459-10-380R	TI-1459-10-380R	Ø10mm x 380mm	1
1459-10-400R	TI-1459-10-400R	Ø10mm x 400mm	1
1459-10-420R	TI-1459-10-420R	Ø10mm x 420mm	1
1459-10-440R	TI-1459-10-440R	Ø10mm x 440mm	1

Tray-3 For Expert Femoral Nail Ø11mm, Right


Stainless Steel	Titanium	Dimension	Units
1459-11-320R	TI-1459-11-320R	Ø11mm x 320mm	1
1459-11-340R	TI-1459-11-340R	Ø11mm x 340mm	1
1459-11-360R	TI-1459-11-360R	Ø11mm x 360mm	1
1459-11-380R	TI-1459-11-380R	Ø11mm x 380mm	1
1459-11-400R	TI-1459-11-400R	Ø11mm x 400mm	1
1459-11-420R	TI-1459-11-420R	Ø11mm x 420mm	1
1459-11-440R	TI-1459-11-440R	Ø11mm x 440mm	1

Tray-4 For Expert Femoral Nail Ø12mm, Right


Stainless Steel	Titanium	Dimension	Units
1459-12-320R	TI-1459-12-320R	Ø12mm x 320mm	1
1459-12-340R	TI-1459-12-340R	Ø12mm x 340mm	1
1459-12-360R	TI-1459-12-360R	Ø12mm x 360mm	1
1459-12-380R	TI-1459-12-380R	Ø12mm x 380mm	1
1459-12-400R	TI-1459-12-400R	Ø12mm x 400mm	1
1459-12-420R	TI-1459-12-420R	Ø12mm x 420mm	1
1459-12-440R	TI-1459-12-440R	Ø12mm x 440mm	1

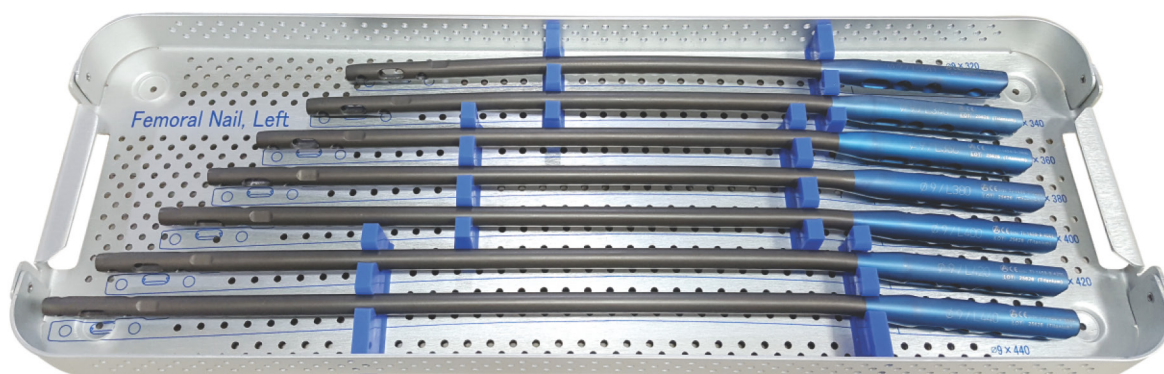
Tray-5 For Expert Femoral Nail Ø13mm, Right


Stainless Steel	Titanium	Dimension	Units
1459-13-320R	TI-1459-13-320R	Ø13mm x 320mm	1
1459-13-340R	TI-1459-13-340R	Ø13mm x 340mm	1
1459-13-360R	TI-1459-13-360R	Ø13mm x 360mm	1
1459-13-380R	TI-1459-13-380R	Ø13mm x 380mm	1
1459-13-400R	TI-1459-13-400R	Ø13mm x 400mm	1
1459-13-420R	TI-1459-13-420R	Ø13mm x 420mm	1
1459-13-440R	TI-1459-13-440R	Ø13mm x 440mm	1

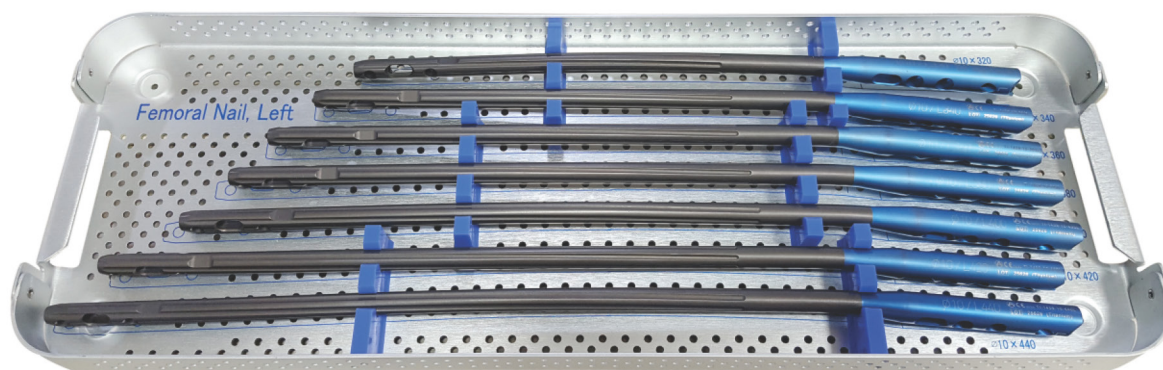
Expert Femoral Nail Implant Set, Left

1-002LTI Titanium | **1-002LSS** Stainless Steel

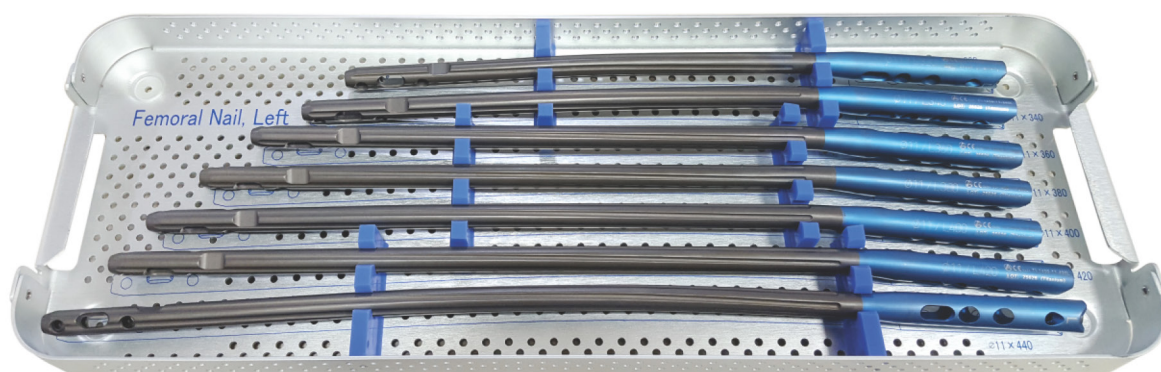


Tray-1 For Expert Femoral Nail Ø9mm, Left


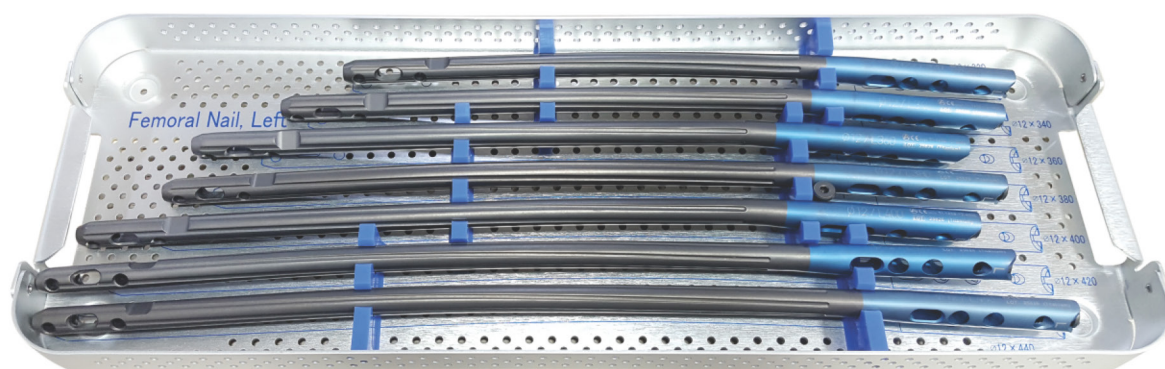
Stainless Steel	Titanium	Dimension	Units
1459-9-320L	TI-1459-9-320L	Ø9mm x 320mm	1
1459-9-340L	TI-1459-9-340L	Ø9mm x 340mm	1
1459-9-360L	TI-1459-9-360L	Ø9mm x 360mm	1
1459-9-380L	TI-1459-9-380L	Ø9mm x 380mm	1
1459-9-400L	TI-1459-9-400L	Ø9mm x 400mm	1
1459-9-420L	TI-1459-9-420L	Ø9mm x 420mm	1
1459-9-440L	TI-1459-9-440L	Ø9mm x 440mm	1

Tray-2 For Expert Femoral Nail Ø10mm, Left


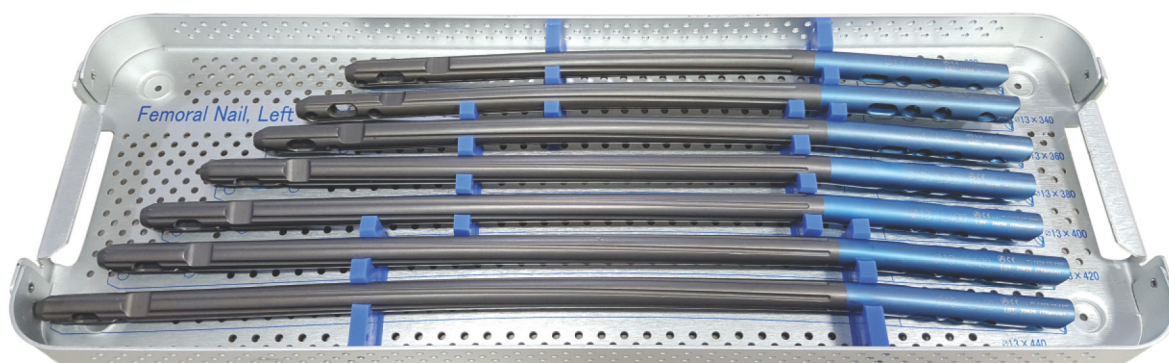
Stainless Steel	Titanium	Dimension	Units
1459-10-320L	TI-1459-10-320L	Ø10mm x 320mm	1
1459-10-340L	TI-1459-10-340L	Ø10mm x 340mm	1
1459-10-360L	TI-1459-10-360L	Ø10mm x 360mm	1
1459-10-380L	TI-1459-10-380L	Ø10mm x 380mm	1
1459-10-400L	TI-1459-10-400L	Ø10mm x 400mm	1
1459-10-420L	TI-1459-10-420L	Ø10mm x 420mm	1
1459-10-440L	TI-1459-10-440L	Ø10mm x 440mm	1

Tray-3 For Expert Femoral Nail Ø11mm, Left


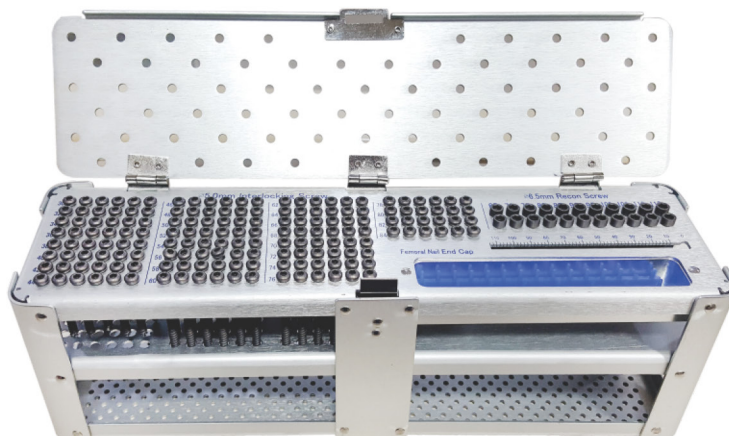
Stainless Steel	Titanium	Dimension	Units
1459-11-320L	TI-1459-11-320L	Ø11mm x 320mm	1
1459-11-340L	TI-1459-11-340L	Ø11mm x 340mm	1
1459-11-360L	TI-1459-11-360L	Ø11mm x 360mm	1
1459-11-380L	TI-1459-11-380L	Ø11mm x 380mm	1
1459-11-400L	TI-1459-11-400L	Ø11mm x 400mm	1
1459-11-420L	TI-1459-11-420L	Ø11mm x 420mm	1
1459-11-440L	TI-1459-11-440L	Ø11mm x 440mm	1

Tray-4 For Expert Femoral Nail Ø12mm, Left


Stainless Steel	Titanium	Dimension	Units
1459-12-320L	TI-1459-12-320L	Ø12mm x 320mm	1
1459-12-340L	TI-1459-12-340L	Ø12mm x 340mm	1
1459-12-360L	TI-1459-12-360L	Ø12mm x 360mm	1
1459-12-380L	TI-1459-12-380L	Ø12mm x 380mm	1
1459-12-400L	TI-1459-12-400L	Ø12mm x 400mm	1
1459-12-420L	TI-1459-12-420L	Ø12mm x 420mm	1
1459-12-440L	TI-1459-12-440L	Ø12mm x 440mm	1

Tray-5 For Expert Femoral Nail Ø13mm, Left


Stainless Steel	Titanium	Dimension	Units
1459-13-320L	TI-1459-13-320L	Ø13mm x 320mm	1
1459-13-340L	TI-1459-13-340L	Ø13mm x 340mm	1
1459-13-360L	TI-1459-13-360L	Ø13mm x 360mm	1
1459-13-380L	TI-1459-13-380L	Ø13mm x 380mm	1
1459-13-400L	TI-1459-13-400L	Ø13mm x 400mm	1
1459-13-420L	TI-1459-13-420L	Ø13mm x 420mm	1
1459-13-440L	TI-1459-13-440L	Ø13mm x 440mm	1

1459-069S Screw Tray For Expert Femoral Nail


Ø6.4mm Cannulated Reconstruction Screw (For Expert Femoral Nail)

Stainless Steel	Titanium	Length	Units
1459-065	TI-1459-065	65	2
1459-070	TI-1459-070	70	2
1459-075	TI-1459-075	75	2
1459-080	TI-1459-080	80	2
1459-085	TI-1459-085	85	2
1459-090	TI-1459-090	90	2
1459-095	TI-1459-095	95	2
1459-100	TI-1459-100	100	2
1459-105	TI-1459-105	105	2
1459-110	TI-1459-110	110	2
1459-115	TI-1459-115	115	2

Ø4.8mm Locking Bolt, Self Tapping

Stainless Steel	Titanium	Length	Units
1458-4.8-30	TI-1458-4.8-30	30mm	6
1458-4.8-32	TI-1458-4.8-32	32mm	6
1458-4.8-34	TI-1458-4.8-34	34mm	6
1458-4.8-36	TI-1458-4.8-36	36mm	6
1458-4.8-38	TI-1458-4.8-38	38mm	6
1458-4.8-40	TI-1458-4.8-40	40mm	6
1458-4.8-42	TI-1458-4.8-42	42mm	6
1458-4.8-44	TI-1458-4.8-44	44mm	6
1458-4.8-46	TI-1458-4.8-46	46mm	6
1458-4.8-48	TI-1458-4.8-48	48mm	6
1458-4.8-50	TI-1458-4.8-50	50mm	6
1458-4.8-52	TI-1458-4.8-52	52mm	6
1458-4.8-54	TI-1458-4.8-54	54mm	6
1458-4.8-56	TI-1458-4.8-56	56mm	6
1458-4.8-58	TI-1458-4.8-58	58mm	6
1458-4.8-60	TI-1458-4.8-60	60mm	6
1458-4.8-62	TI-1458-4.8-62	62mm	6
1458-4.8-64	TI-1458-4.8-64	64mm	6
1458-4.8-66	TI-1458-4.8-66	66mm	6
1458-4.8-68	TI-1458-4.8-68	68mm	6
1458-4.8-70	TI-1458-4.8-70	70mm	6
1458-4.8-72	TI-1458-4.8-72	72mm	6
1458-4.8-74	TI-1458-4.8-74	74mm	6
1458-4.8-76	TI-1458-4.8-76	76mm	6
1458-4.8-78	TI-1458-4.8-78	78mm	6
1458-4.8-80	TI-1458-4.8-80	80mm	6
1458-4.8-82	TI-1458-4.8-82	82mm	6
1458-4.8-84	TI-1458-4.8-84	84mm	6

1459-001 Cannulated Awl



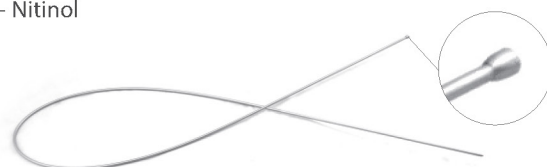
1459-002 Entry Reamer 14.3mm



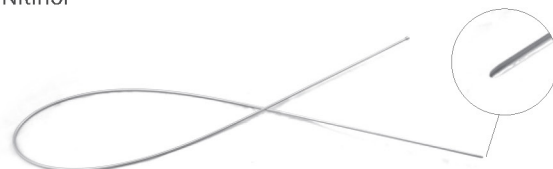
1459-003 T-Handle With Quick Coupling For Entry Reamer



1459-004 Guide Wire With Ball Tip Ø2.5/3.65mm x Length 1000mm - Nitinol



1459-062 Guide Wire Without Ball Tip Ø2.5mm x Length 1000mm - Nitinol



1459-005 Insertion Handle



1459-006 Flexible Reamer Shaft (AO Connection)



Reamer Head

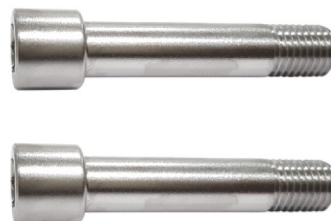
Code	Dia	Code	Dia
1459-008	Ø8.5mm	1459-014	Ø11.5mm
1459-009	Ø9mm	1459-015	Ø12mm
1459-010	Ø9.5mm	1459-016	Ø12.5mm
1459-011	Ø10mm	1459-017	Ø13mm
1459-012	Ø10.5mm	1459-018	Ø13.5mm
1459-013	Ø11mm	1459-019	Ø14mm



1459-007 Reduction Rod



1459-020 Nail Holding Bolt



1459-021 Long Screw Driver With T-Handle, Hex 5mm



1459-022 Sliding Hammer



1459-023 Proximal Aiming Bar



1459-024 Locking Bolt For Proximal Aiming Bar



1459-025 Allen Wrench, Hex 5mm



1459-026 Proximal Aiming Device



1459-027 Distal Aiming Bar



1459-028 Locking Bolt (For Distal Aiming Bar)



1459-029 Distal Targeting Device



1459-030 Outer Drill Sleeve 10/8.1mm (For Distal Targeting Device)



1459-031 Trocar For Sleeves 8.1mm (For Distal Targeting Device)



1459-032 Drill Sleeve 8.1/5.2mm (For Positioning Rod)



1459-033 Drill Bit Plain Shank/Jacob Chuck End Ø5.2mm x Length 250mm (For Positioning Rod)



1459-034 Flat Drill With T-Handle Ø5.2mm (For Positioning Rod)



1459-035 Positioning Rod 8.1/5.2mm



1459-036 Stabilizing Device (For Positioning Rod)



1459-037 Outer Drill Sleeve 11/8.2mm



1459-038 Drill Sleeve Ø8.2mm



1459-039 Trocar Ø2.5mm



1459-040 Drill Sleeve 8/4.3mm



1459-041 Trocar Ø4.3mm



1459-042 Drill Bit Plain Shank/Jacob Chuck End Ø4.3mm x 300mm



1459-061 Stopper (For Drill Bit Ø4.3mm)



520-040 Allen Key, Hex 3mm



1459-043 Depth Gauge, Length upto 90mm (For Ø4.8mm Locking Bolt)



1459-044 Screw Driver With T-Handle, Hex 3.5mm (For Ø4.8mm Locking Bolt)



1459-045 Universal Screw Driver, Hex 6.5mm, Ball Tip (For Nail Holding Bolt)



1459-046 Distal Bolt, Hex-5mm (For Distal Targeting Device)



1459-047 Threaded Guide Wire Ø2.5mm x Thread Length 10mm x Length 340mm



1459-048 Guide Wire Ø2.5mm x Length 340mm



1459-049 Direct Measuring Device, Length upto 120mm



1459-050-I Tissue Protector



1459-051 Cannulated Step Drill Bit With Stopper (For Anti-Rotation Screw) Ø6.5/2.5mm



1459-053 Protection Sleeve 17/14.3mm



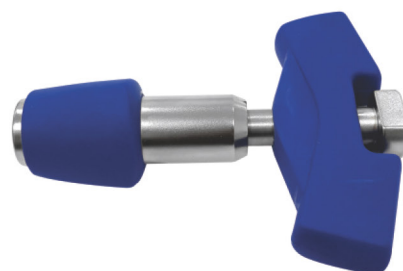
1459-052 Guide Sleeve For Protection Sleeve 14.3mm



1459-054 Impactor - Extractor Rod



1459-055-I Guide Wire Holder



1459-056 Distal Screw Device (Static/ Dynamic Locking)



1459-057 Combination Wrench 11mm



1459-058 Connecting Rod - Impactor



1459-059 Compression Bolt Ø4mm



1459-060-I Guide Wire Ø3.2mm x Length 480mm



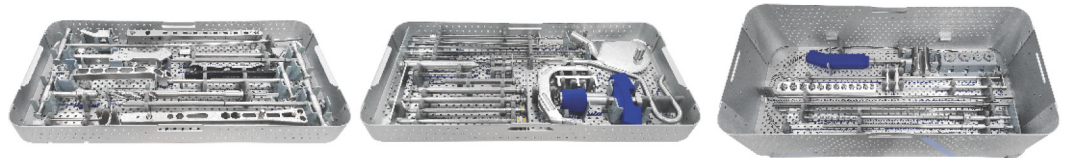
1459-063 Radiographic Ruler



1459-064 Depth Gauge, Length upto 100mm



1459-065T Trays



1459-066 Container



Optional Instruments

1459-004S

Guide Wire With Ball Tip $\varnothing 2.5/3.65$ mm x Length 1000mm - Stainless Steel



1459-062S

Guide Wire Without Ball Tip $\varnothing 2.5$ mm x Length 1000mm - Stainless Steel



INS-1459 Expert Femoral Nail Instrument Set



INS-1459 Expert Femoral Nail Instrument Set

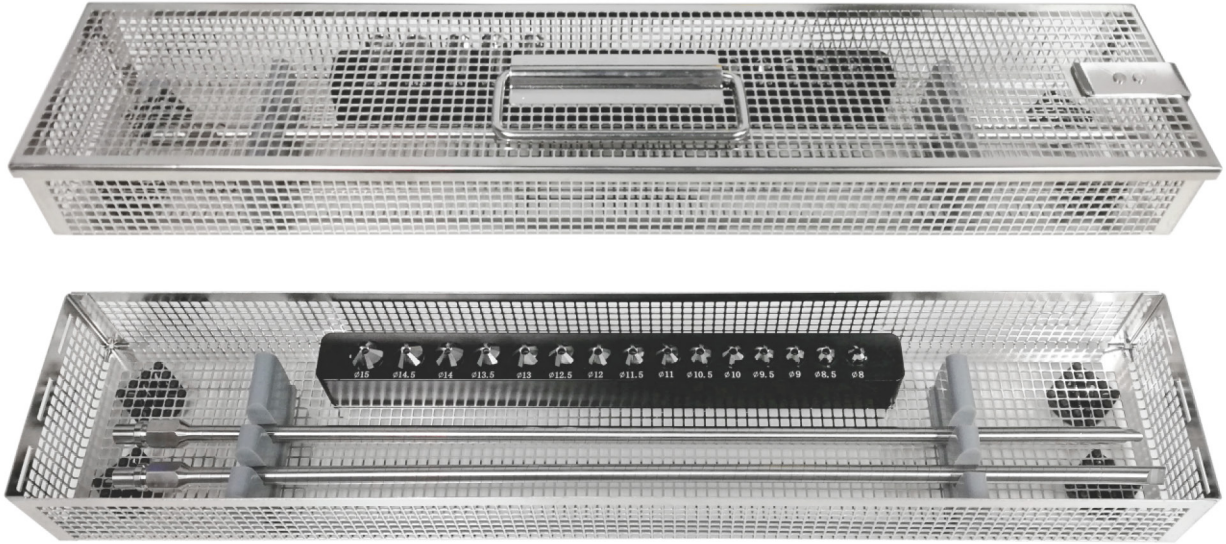
Code	Set Consisting of	Units
1459-001	Cannulated Awl	1
1459-002	Entry Reamer 14.3mm	1
1459-003	T-Handle With Quick Coupling For Entry Reamer	1
1459-004	Guide Wire With Ball Tip Ø2.5/3.65mm x Length 1000mm - Nitinol	1
1459-062	Guide Wire Without Ball Tip Ø2.5mm x Length 1000mm - Nitinol	1
1459-005	Insertion Handle	1
1459-006	Flexible Reamer Shaft (AO Connection)	2
1459-007	Reduction Rod	1
1459-008	Reamer Head Ø8.5mm	1
1459-009	Reamer Head Ø9mm	1
1459-010	Reamer Head Ø9.5mm	1
1459-011	Reamer Head Ø10mm	1
1459-012	Reamer Head Ø10.5mm	1
1459-013	Reamer Head Ø11mm	1
1459-014	Reamer Head Ø11.5mm	1
1459-015	Reamer Head Ø12mm	1
1459-016	Reamer Head Ø12.5mm	1
1459-017	Reamer Head Ø13mm	1
1459-018	Reamer Head Ø13.5mm	1
1459-019	Reamer Head Ø14mm	1
1459-020	Nail Holding Bolt	2
1459-021	Long Screw Driver With T-Handle, Hex 5mm	1
1459-022	Sliding Hammer	1
1459-023	Proximal Aiming Bar	1
1459-024	Locking Bolt For Proximal Aiming Bar	1
1459-025	Allen Wrench, Hex 5mm	1
1459-026	Proximal Aiming Device	1
1459-027	Distal Aiming Bar	1
1459-028	Locking Bolt (For Distal Aiming Bar)	1
1459-029	Distal Targeting Device	1
1459-030	Outer Drill Sleeve 10/8.1mm (For Distal Targeting Device)	1
1459-031	Trocar For Sleeves 8.1mm (For Distal Targeting Device)	1
1459-032	Drill Sleeve 8.1/5.2mm (For Positioning Rod)	1
1459-033	Drill Bit Plain Shank/Jacob Chuck End Ø5.2mm x Length 250mm (For Positioning Rod)	1
1459-034	Flat Drill With T-Handle Ø5.2mm (For Positioning Rod)	1
1459-035	Positioning Rod 8.1/5.2mm	1
1459-036	Stabilizing Device (For Positioning Rod)	1

Code	Set Consisting of	Units
1459-037	Outer Drill Sleeve 11/8.2mm	2
1459-038	Drill Sleeve Ø8.2mm	2
1459-039	Trocar Ø2.5mm	1
1459-040	Drill Sleeve 8/4.3mm	2
1459-041	Trocar Ø4.3mm	1
1459-042	Drill Bit Plain Shank/Jacob Chuck End Ø4.3mm x 300mm	3
1459-061	Stopper For Drill Bit Ø4.3mm	1
520-040	Allen Key, Hex 3mm	1
1459-043	Depth Gauge, Length upto 90mm (For Ø4.8mm Locking Bolt)	1
1459-044	Screw Driver With T-Handle, Hex 3.5mm (For Ø4.8mm Locking Bolt)	1
1459-045	Universal Screw Driver, Hex 6.5mm, Ball Tip (For Nail Holding Bolt)	1
1459-046	Distal Bolt, Hex-5mm (For Distal Targeting Device)	2
1459-047	Threaded Guide Wire Ø2.5mm x Thread Length 10mm x Length 340mm	3
1459-048	Guide Wire Ø2.5mm x Length 340mm	3
1459-049	Direct Measuring Device, Length upto 120mm	1
1459-050-I	Tissue Protector	1
1459-051	Cannulated Step Drill Bit With Stopper (For Anti-Rotation Screw) Ø6.5/2.5mm	1
1459-053	Protection Sleeve 17/14.3mm	1
1459-052	Guide Sleeve For Protection Sleeve 14.3mm	1
1459-054	Impactor - Extractor Rod	1
1459-055-I	Guide Wire Holder	1
1459-056	Distal Screw Device (Static/ Dynamic Locking)	1
1459-057	Combination Wrench 11mm	1
1459-058	Connecting Rod - Impactor	1
1459-059	Compression Bolt Ø4mm	1
1459-060-I	Guide Wire Ø3.2mm x Length 480mm	3
1459-063	Radiographic Ruler	1
1459-064	Depth Gauge, Length upto 100mm	1
1459-065T	Trays For Expert Femoral Nailing System	3
1459-066	Container For Expert Femoral Nailing System	1

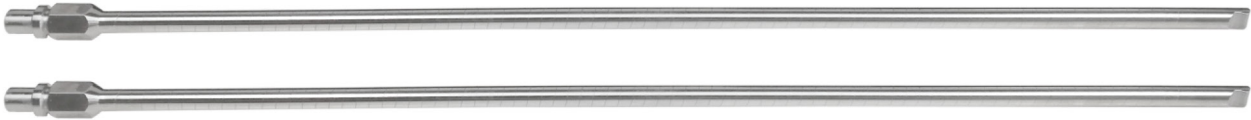
Optional Instruments

Code	Set Consisting of	Units
1459-004S	Guide Wire With Ball Tip, Ø2.5/3.65mm x Length 1000mm - Stainless Steel	1
1459-062S	Guide Wire Without Ball Tip, Ø2.5mm x Length 1000mm - Stainless Steel	1

7-006 Flexible Reamer Instrument set



1459-006 Flexible Reamer Shaft (AO Connection)



Reamer Head

Code	Dia
7-006-01	Ø8mm
1459-008	Ø8.5mm
1459-009	Ø9mm
1459-010	Ø9.5mm
1459-011	Ø10mm
1459-012	Ø10.5mm
1459-013	Ø11mm
1459-014	Ø11.5mm

Code	Dia
1459-015	Ø12mm
1459-016	Ø12.5mm
1459-017	Ø13mm
1459-018	Ø13.5mm
1459-019	Ø14mm
7-006-02	Ø14.5mm
7-006-03	Ø15mm





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