

# EXPERT TIBIA NAILING SYSTEM

## EXPERT TIBIA NAILING SYSTEM



edition  
2022

 **Auxein**<sup>®</sup>



# 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 •**  
*(Arthroscopy, Spine, Nailing, Locking Plates & Screws)*
- EC Certificate - Class IIa & IIb •
- ISO 13485:2016 •
- ISO 9001:2015 •
- India FDA Approved •
- India MDR 2017 •

# **Orthopaedic Implants**

## INTRODUCTION

The Expert Tibial Nail enables the surgeon to further extend the spectrum of fractures eligible for intramedullary nailing. This nail is indicated for fractures of metaphyseal and certain intra articular fractures of tibial head and pilon tibial. Expert Tibia Nail enhances the stability of constructed bone-nail and reduces the risk for secondary malalignment. Multidirectional interlocking screws ensure that alignment can be well maintained and stability preserved in short proximal or distal tibial segments. The end cap achieves angular stability between the proximal oblique screw and nail.



## LOCKING OPTIONS

**Proximal Segment Fractures** For Proximal fractures, it is recommended to lock the nail with knee in extension. This neutralizes the deforming forces on proximal fragments caused by the quadriceps mechanism and relieves the pressure on soft tissue usually associated with tibial nail insertion instruments. This position also facilitates assessment of rotational alignment prior to locking.

**Diaphyseal Segment Fractures** For diaphyseal fractures, it is recommended to lock distally first to allow intraoperative compression.

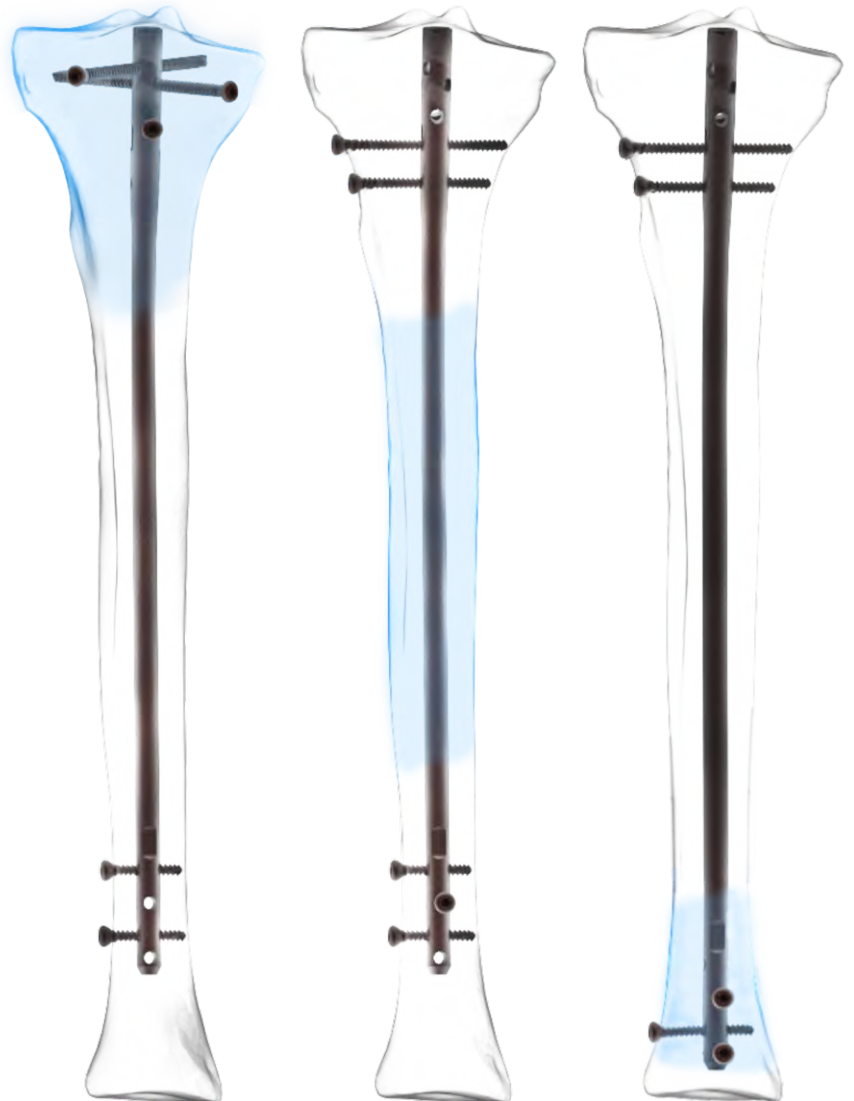
**Distal Segment Fractures** For distal fractures, it is recommended to lock distally first to facilitate reduction.



## INDICATIONS

The Expert Tibia Nail is indicated for fractures in the tibial shaft as well as for metaphyseal and certain intra-articular fractures of the tibial head and the pilon tibial:

- 41-A2/A3 • All shaft fractures
- 43-A1/A2/A3
- Combinations of these fractures



## PRODUCT SPECIFICATIONS

### Expert Tibial Nail

**Diameters:**

Ø8mm, Ø9mm, Ø10mm, Ø11mm & Ø12mm

**Length:**

255mm - 375mm (With 15mm difference)

**Available In:**

Stainless Steel and Titanium

**Color Coding** (only for Titanium) :

Type-II For Expert Tibia Nail

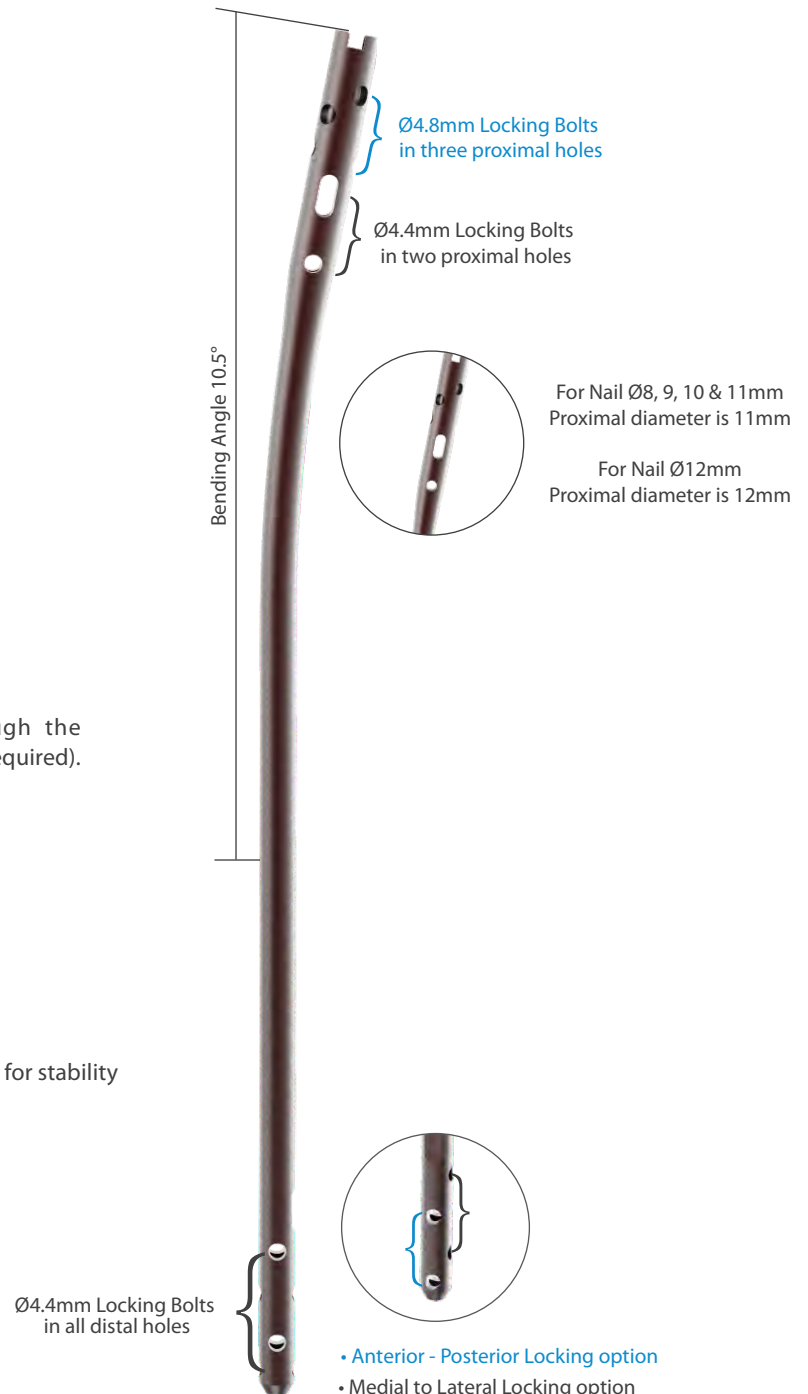
**Cannulation:**

All Expert Tibia Nails are cannulated which enables nail insertion over guide wire for reamed or unreamed techniques.

The ball tip guide wires may be removed through the nail and insertion handle assembly (no exchange tube required).

**Advanced Nail Design:**

- New Anatomic bend for ease of nail insertion.
- Two state of the art medio-lateral (ML) locking options enable primary compression or secondary controlled dynamization.
- Two ML and one anterior posterior (AP) locking options for stability of the distal fragment.



**Important:** Solid Nail for unreamed technique are also available on special request

## End Cap For Expert Tibia Nail

**Length:**

0mm, 5mm, 10mm and 15mm

**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.
- Securely lock the most proximal oblique locking screw to create a fixed-angle construct.
- Cannulated.



## Ø4.8mm Locking Bolt, Self-Tapping, For Expert Tibia Nail

**Length:**

25mm - 90mm (With 5mm difference)

**Available in:**

Stainless Steel and Titanium

**Color Coding (only for Titanium) :**

Type-II For Ø4.8mm Locking Bolt

## Ø4.4mm Locking Bolt, Self-Tapping, For Expert Tibia Nail

**Length:**

24mm - 88mm (With 2mm difference)

**Available in:**

Stainless Steel and Titanium

**Color Coding (only for Titanium) :**

Type-II For Ø4.4mm Locking Bolt

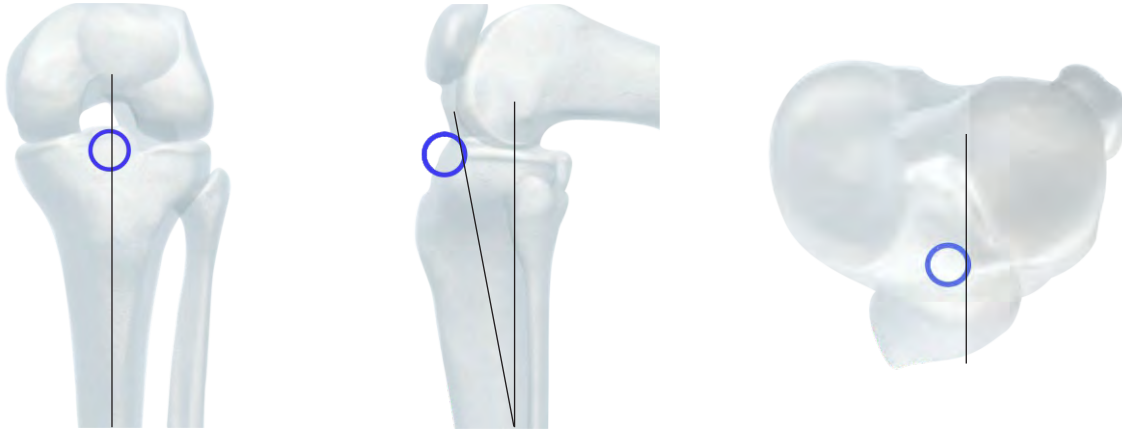
**Features:**

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



### Entry Point

The entry point defines the optimal position of the Expert Tibial Nail in the intramedullary canal. This is more important for proximal and distal third fractures to prevent fragment displacement.



In anterior - posterior (AP) view the entry point is in line with the axis of the intra-medullary canal and with the lateral tubercle of the inter-condylar eminence.

In lateral view the entry point is at the ventral edge of the tibial plateau.

## Expert Tibia Nail

### Stainless Steel

	Code	Dia x Length
Ø8mm	<b>520-08-255</b>	Ø8mm x 255mm
	<b>520-08-270</b>	Ø8mm x 270mm
	<b>520-08-285</b>	Ø8mm x 285mm
	<b>520-08-300</b>	Ø8mm x 300mm
	<b>520-08-315</b>	Ø8mm x 315mm
	<b>520-08-330</b>	Ø8mm x 330mm
	<b>520-08-345</b>	Ø8mm x 345mm
	<b>520-08-360</b>	Ø8mm x 360mm
	<b>520-08-375</b>	Ø8mm x 375mm
Ø9mm	<b>520-09-255</b>	Ø9mm x 255mm
	<b>520-09-270</b>	Ø9mm x 270mm
	<b>520-09-285</b>	Ø9mm x 285mm
	<b>520-09-300</b>	Ø9mm x 300mm
	<b>520-09-315</b>	Ø9mm x 315mm
	<b>520-09-330</b>	Ø9mm x 330mm
	<b>520-09-345</b>	Ø9mm x 345mm
	<b>520-09-360</b>	Ø9mm x 360mm
	<b>520-09-375</b>	Ø9mm x 375mm
Ø10mm	<b>520-10-255</b>	Ø10mm x 255mm
	<b>520-10-270</b>	Ø10mm x 270mm
	<b>520-10-285</b>	Ø10mm x 285mm
	<b>520-10-300</b>	Ø10mm x 300mm
	<b>520-10-315</b>	Ø10mm x 315mm
	<b>520-10-330</b>	Ø10mm x 330mm
	<b>520-10-345</b>	Ø10mm x 345mm
	<b>520-10-360</b>	Ø10mm x 360mm
	<b>520-10-375</b>	Ø10mm x 375mm
Ø11mm	<b>520-11-255</b>	Ø11mm x 255mm
	<b>520-11-270</b>	Ø11mm x 270mm
	<b>520-11-285</b>	Ø11mm x 285mm
	<b>520-11-300</b>	Ø11mm x 300mm
	<b>520-11-315</b>	Ø11mm x 315mm
	<b>520-11-330</b>	Ø11mm x 330mm
	<b>520-11-345</b>	Ø11mm x 345mm
	<b>520-11-360</b>	Ø11mm x 360mm
	<b>520-11-375</b>	Ø11mm x 375mm
Ø12mm	<b>520-12-255</b>	Ø12mm x 255mm
	<b>520-12-270</b>	Ø12mm x 270mm
	<b>520-12-285</b>	Ø12mm x 285mm
	<b>520-12-300</b>	Ø12mm x 300mm
	<b>520-12-315</b>	Ø12mm x 315mm
	<b>520-12-330</b>	Ø12mm x 330mm
	<b>520-12-345</b>	Ø12mm x 345mm
	<b>520-12-360</b>	Ø12mm x 360mm
	<b>520-12-375</b>	Ø12mm x 375mm

### Titanium

	Code	Dia x Length
Ø8mm	<b>TI-520-08-255</b>	Ø8mm x 255mm
	<b>TI-520-08-270</b>	Ø8mm x 270mm
	<b>TI-520-08-285</b>	Ø8mm x 285mm
	<b>TI-520-08-300</b>	Ø8mm x 300mm
	<b>TI-520-08-315</b>	Ø8mm x 315mm
	<b>TI-520-08-330</b>	Ø8mm x 330mm
	<b>TI-520-08-345</b>	Ø8mm x 345mm
	<b>TI-520-08-360</b>	Ø8mm x 360mm
	<b>TI-520-08-375</b>	Ø8mm x 375mm
Ø9mm	<b>TI-520-09-255</b>	Ø9mm x 255mm
	<b>TI-520-09-270</b>	Ø9mm x 270mm
	<b>TI-520-09-285</b>	Ø9mm x 285mm
	<b>TI-520-09-300</b>	Ø9mm x 300mm
	<b>TI-520-09-315</b>	Ø9mm x 315mm
	<b>TI-520-09-330</b>	Ø9mm x 330mm
	<b>TI-520-09-345</b>	Ø9mm x 345mm
	<b>TI-520-09-360</b>	Ø9mm x 360mm
	<b>TI-520-09-375</b>	Ø9mm x 375mm
Ø10mm	<b>TI-520-10-255</b>	Ø10mm x 255mm
	<b>TI-520-10-270</b>	Ø10mm x 270mm
	<b>TI-520-10-285</b>	Ø10mm x 285mm
	<b>TI-520-10-300</b>	Ø10mm x 300mm
	<b>TI-520-10-315</b>	Ø10mm x 315mm
	<b>TI-520-10-330</b>	Ø10mm x 330mm
	<b>TI-520-10-345</b>	Ø10mm x 345mm
	<b>TI-520-10-360</b>	Ø10mm x 360mm
	<b>TI-520-10-375</b>	Ø10mm x 375mm
Ø11mm	<b>TI-520-11-255</b>	Ø11mm x 255mm
	<b>TI-520-11-270</b>	Ø11mm x 270mm
	<b>TI-520-11-285</b>	Ø11mm x 285mm
	<b>TI-520-11-300</b>	Ø11mm x 300mm
	<b>TI-520-11-315</b>	Ø11mm x 315mm
	<b>TI-520-11-330</b>	Ø11mm x 330mm
	<b>TI-520-11-345</b>	Ø11mm x 345mm
	<b>TI-520-11-360</b>	Ø11mm x 360mm
	<b>TI-520-11-375</b>	Ø11mm x 375mm
Ø12mm	<b>TI-520-12-255</b>	Ø12mm x 255mm
	<b>TI-520-12-270</b>	Ø12mm x 270mm
	<b>TI-520-12-285</b>	Ø12mm x 285mm
	<b>TI-520-12-300</b>	Ø12mm x 300mm
	<b>TI-520-12-315</b>	Ø12mm x 315mm
	<b>TI-520-12-330</b>	Ø12mm x 330mm
	<b>TI-520-12-345</b>	Ø12mm x 345mm
	<b>TI-520-12-360</b>	Ø12mm x 360mm
	<b>TI-520-12-375</b>	Ø12mm x 375mm



## End Cap For Expert Tibia Nail



Stainless Steel	Titanium	Length (mm)
520-001	TI-520-001	0
520-001-05	TI-520-001-05	5
520-001-10	TI-520-001-10	10
520-001-15	TI-520-001-15	15

## Ø4.8mm Locking Bolt, Self-Tapping, For Expert Tibia Nail



Stainless Steel	Titanium	Length (mm)
520-002-25	TI-520-002-25	25
520-002-30	TI-520-002-30	30
520-002-35	TI-520-002-35	35
520-002-40	TI-520-002-40	40
520-002-45	TI-520-002-45	45
520-002-50	TI-520-002-50	50
520-002-55	TI-520-002-55	55
520-002-60	TI-520-002-60	60
520-002-65	TI-520-002-65	65
520-002-70	TI-520-002-70	70
520-002-75	TI-520-002-75	75
520-002-80	TI-520-002-80	80
520-002-85	TI-520-002-85	85
520-002-90	TI-520-002-90	90

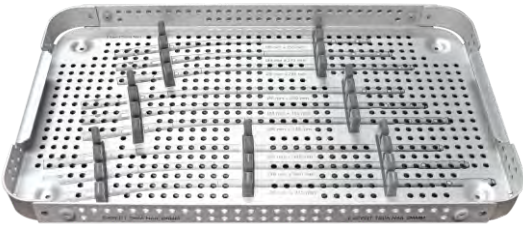
## Ø4.4mm Locking Bolt, Self-Tapping, For Expert Tibia Nail



Stainless Steel	Titanium	Length (mm)
520-058-24	TI-520-058-24	24
520-058-26	TI-520-058-26	26
520-058-28	TI-520-058-28	28
520-058-30	TI-520-058-30	30
520-058-32	TI-520-058-32	32
520-058-34	TI-520-058-34	34
520-058-36	TI-520-058-36	36
520-058-38	TI-520-058-38	38
520-058-40	TI-520-058-40	40
520-058-42	TI-520-058-42	42
520-058-44	TI-520-058-44	44
520-058-46	TI-520-058-46	46
520-058-48	TI-520-058-48	48
520-058-50	TI-520-058-50	50
520-058-52	TI-520-058-52	52
520-058-54	TI-520-058-54	54
520-058-56	TI-520-058-56	56
520-058-58	TI-520-058-58	58
520-058-60	TI-520-058-60	60
520-058-62	TI-520-058-62	62
520-058-64	TI-520-058-64	64
520-058-66	TI-520-058-66	66
520-058-68	TI-520-058-68	68
520-058-70	TI-520-058-70	70
520-058-72	TI-520-058-72	72
520-058-74	TI-520-058-74	74
520-058-76	TI-520-058-76	76
520-058-78	TI-520-058-78	78
520-058-80	TI-520-058-80	80
520-058-82	TI-520-058-82	82
520-058-84	TI-520-058-84	84
520-058-86	TI-520-058-86	86
520-058-88	TI-520-058-88	88

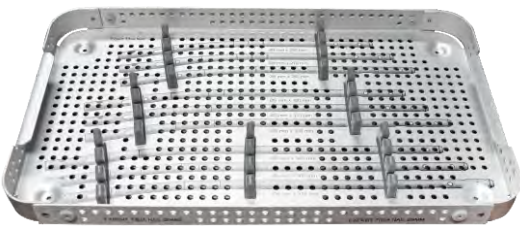
**1-013 Implant Box for Expert Tibia Nailing**



**Tray 1**


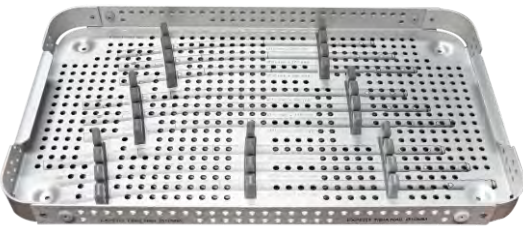
Dia	Length	Qty
Ø8mm	255mm to 375mm	1 pcs

*Stainless Steel or Titanium Implants can be placed as per requirement*

**Tray 2**


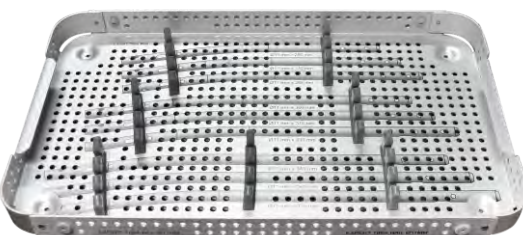
Dia	Length	Qty
Ø9mm	255mm to 375mm	1 pcs

*Stainless Steel or Titanium Implants can be placed as per requirement*

**Tray 3**


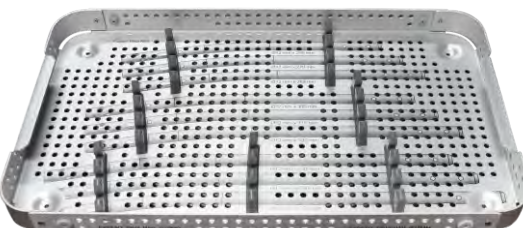
Dia	Length	Qty
Ø10mm	255mm to 375mm	1 pcs

*Stainless Steel or Titanium Implants can be placed as per requirement*

**Tray 4**


Dia	Length	Qty
Ø11mm	255mm to 375mm	1 pcs

*Stainless Steel or Titanium Implants can be placed as per requirement*

**Tray 5**


Dia	Length	Qty
Ø12mm	255mm to 375mm	1 pcs

*Stainless Steel or Titanium Implants can be placed as per requirement*



### Ø4.8mm Locking Bolt, Self-Tapping, For Expert Tibia Nail

Dia	Length	Qty
Ø4.8mm	25mm to 90mm	3pcs

*Stainless Steel or Titanium Implants  
can be placed as per requirement*

### Ø4.4mm Locking Bolt, Self-Tapping, For Expert Tibia Nail

Dia	Length	Qty
Ø4.4mm	24mm to 88mm	6pcs

*Stainless Steel or Titanium Implants  
can be placed as per requirement*

### End Cap For Expert Tibia Nail

Length	Qty
0mm to 15mm	2pcs

*Stainless Steel or Titanium Implants  
can be placed as per requirement*

# Expert Tibia

## **Nail Instrument Set**

**520-003** Radiographic Ruler for Expert Tibia Nail



**520-004** Guide Wire With Threaded Tip  $\varnothing$ 3.2mm x Thread Length 10mm x Length 300mm



**520-005** Guide Wire Holder for Expert Tibia Nail



**520-006** Protection Sleeve 14/12mm for Expert Tibia Nail



**520-007** Entry Cutter  $\varnothing$ 12mm for Expert Tibia Nail



**520-008** Tissue Protector for Expert Tibia Nail



**520-009** Cannulated Awl for Expert Tibia Nail



**520-010** Entry Reamer  $\varnothing$ 12mm for Expert Tibia Nail



**520-011** T- Handle for Entry Reamer - Expert Tibia Nail



**520-012** Reduction Device for Expert Tibia Nail



**520-013** Guide wire with Ball Tip  $\varnothing$ 2.5/3.65mm x Length 1000mm - Nitinol, for Expert Tibia Nail



**520-058** Guide wire without Ball Tip  $\varnothing$ 2.5mm x Length 1000mm - Nitinol, for Expert Tibia Nail



**520-014** Flexible Reamer Shaft (AO Connection) for Expert Tibia Nail



### Reamer Head

Code	Dia	Code	Dia
520-7.5	Ø7.5mm	520-10.5	Ø10.5mm
520-8.0	Ø8mm	520-11.0	Ø11mm
520-8.5	Ø8.5mm	520-11.5	Ø11.5mm
520-9.0	Ø9mm	520-12.0	Ø12mm
520-9.5	Ø9.5mm	520-12.5	Ø12.5mm
520-10.0	Ø10mm	520-13.0	Ø13mm



**520-015** Insertion Handle for Expert Tibia Nail



**520-016** Nail Holding Bolt for Expert Tibia Nail



**520-018** Block for Connecting Shaft - Expert Tibia Nail



**520-019** Connecting Shaft, M10 for Hammering Device - Expert Tibia Nail



**520-020** Combination Wrench 11mm for Expert Tibia Nail



**520-022** Hammer Guide Shaft for Expert Tibia Nail



**520-023** Nut for Hammer Guide Shaft - Expert Tibia Nail



**520-024** Sliding Hammer for Expert Tibia Nail



**520-025** Distal Aiming Device for Expert Tibia Nail



**520-026** Bolt for Distal Aiming Device - Expert Femur Nail



**520-027** Allen Key, Hex 5mm for Expert Tibia Nail



**520-028** Drill Sleeve, Ø5.2mm for Positioning Rod - Expert Tibia Nail



**520-029** Drill Bit Plain Shank/ Jacob Chuck End Ø5.2mm x Length 250mm for Expert Tibia Nail



**520-030** Ø5.2mm T-Handle Drill Bit with Flat End for Expert Tibia Nail



**520-031** Positioning Rod for Expert Tibia Nail



**520-032**      Stabilizing Device for Expert Tibia Nail



**520-033**      Distal Aiming Arm for Expert Tibia Nail



**520-034**      Bolt for Distal Aiming Arm - Expert Tibia Nail



**520-035**      Protection Drill Sleeve 10/8mm for Expert Tibia Nail



**520-036**      Trocar Ø8mm for Expert Tibia Nail



**520-037**      Drill Sleeve 8/4mm for Ø4mm Drill Bit - Expert Tibia Nail



**520-038** Drill Bit Plain Shank/Jacob Chuck End  $\varnothing$ 4.0mm x Length 300mm for Expert Tibia Nail



**520-039** Stopper for  $\varnothing$ 4.0mm Drill Bit - Expert Tibia Nail



**520-040** Allen Key, Hex 3mm for Expert Tibia Nail



**520-041** Depth Gauge measuring upto 90mm for Expert Tibia Nail



**520-059** Screwdriver with T-Handle, Hex 3.5mm for Expert Tibia Nail



**520-044** Proximal Aiming Device for  $\varnothing$ 4.4mm Locking Bolt - Expert Tibia Nail



**520-045** Bolt for Proximal Aiming Device - Expert Tibia Nail



**520-046** Proximal Aiming Device for Ø4.8mm Locking Bolt - Expert Tibia Nail



**520-047** Protection Sleeve 11/8.6mm for Ø4.8mm Locking Bolt - Expert Tibia Nail



**520-048** Drill Sleeve 8.5/3.2mm for Ø3.2mm Drill Bit - Expert Tibia Nail



**520-049** Trocar Ø3.2mm for Expert Tibia Nail



**520-050** Drill Bit Plain Shank/Jacob Chuck End Ø3.2mm x Length 250mm for Expert Tibia Nail



**520-051** Stopper for Ø3.2mm Drill Bit - Expert Tibia Nail



**520-052** Compression Device for Expert Tibia Nail



**520-053** Universal Driver for Nail Holding Bolt - Expert Tibia Nail



**520-042** Universal Screwdriver, Hex 3.5mm for Expert Tibia Nail



**520-060** Depth Gauge measuring upto 100mm for Expert Tibia Nail



**7-010-02** Medullary Exchange Tube



## Instruments

**7-010-03** T-Handle for Flexible Reamer (AO Connection)



**520-056** Instrument Trays For Expert Tibia Nailing Instrument Set



**520-057** Container with PPSU Lid for Expert Tibia Nailing Instrument Set



## Optional Instruments

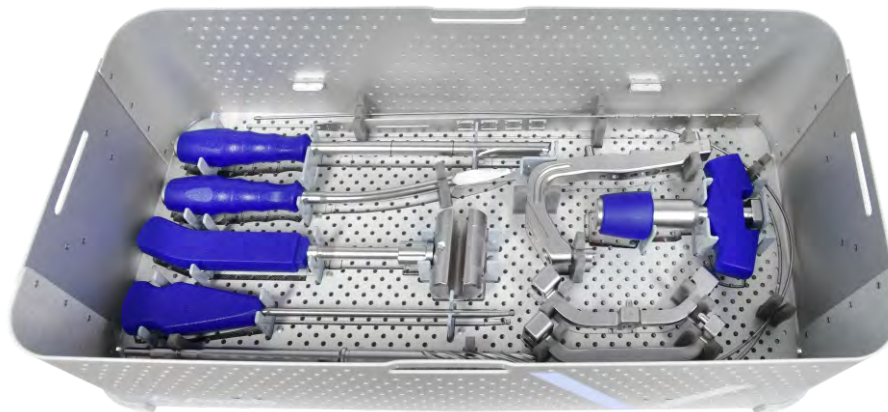
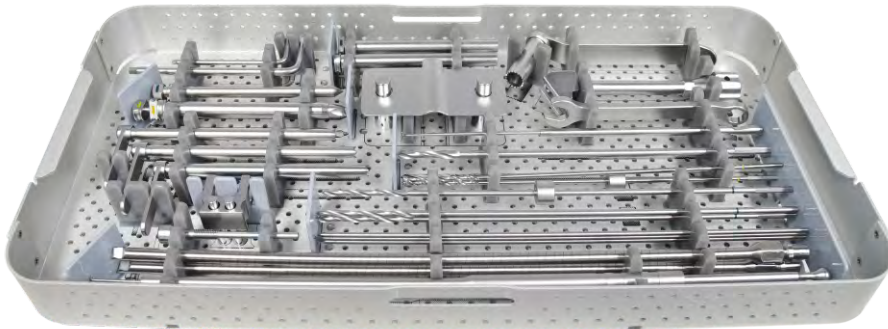
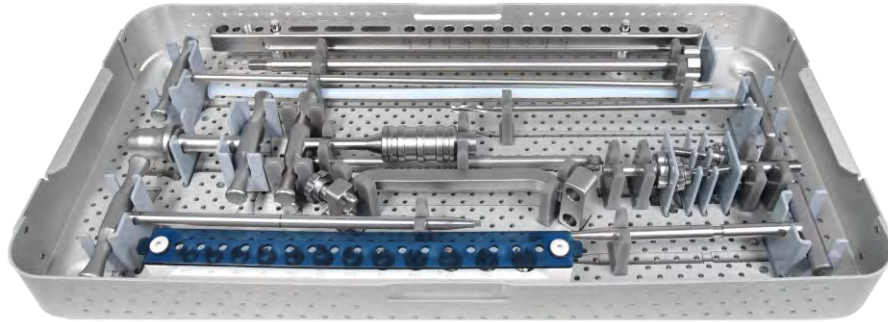
**520-013S** Guide Wire With Ball Tip  $\varnothing 2.5/3.65\text{mm}$  x Length 1000mm - Stainless Steel, for Expert Tibia Nail



**520-058S** Guide Wire Without Ball Tip  $\varnothing 2.5\text{mm}$  x Length 1000mm - Stainless Steel, for Expert Tibia Nail



**INS-520** Expert Tibia Nailing Instrument Set



**INS-520 Expert Tibia Nailing Instrument Set**

Code	Set Consisting of	Units
520-003	Radiographic Ruler for Expert Tibia Nail	1
520-004	Guide Wire With Threaded Tip Ø3.2mm x Thread Length 10mm x Length 300mm	3
520-005	Guide Wire Holder for Expert Tibia Nail	1
520-006	Protection Sleeve 14/12mm for Expert Tibia Nail	1
520-007	Entry Cutter Ø12mm for Expert Tibia Nail	1
520-008	Tissue Protector for Expert Tibia Nail	1
520-009	Cannulated Awl for Expert Tibia Nail	1
520-010	Entry Reamer Ø12mm for Expert Tibia Nail	1
520-011	T- Handle for Entry Reamer - Expert Tibia Nail	1
520-012	Reduction Device for Expert Tibia Nail	1
520-013	Guide wire with Ball Tip Ø2.5/3.65mm x Length 1000mm - Nitinol, for Expert Tibia Nail	1
520-058	Guide wire without Ball Tip Ø2.5mm x Length 1000mm - Nitinol, for Expert Tibia Nail	1
520-014	Flexible Reamer Shaft (AO Connection) for Expert Tibia Nail	2
520-7.5	Reamer Head, Ø7.5mm for Expert Tibia Nail	1
520-8.0	Reamer Head, Ø8.0mm for Expert Tibia Nail	1
520-8.5	Reamer Head, Ø8.5mm for Expert Tibia Nail	1
520-9.0	Reamer Head, Ø9.0mm for Expert Tibia Nail	1
520-9.5	Reamer Head, Ø9.5mm for Expert Tibia Nail	1
520-10.0	Reamer Head, Ø10.0mm for Expert Tibia Nail	1
520-10.5	Reamer Head, Ø10.5mm for Expert Tibia Nail	1
520-11.0	Reamer Head, Ø11.0mm for Expert Tibia Nail	1
520-11.5	Reamer Head, Ø11.5mm for Expert Tibia Nail	1
520-12.0	Reamer Head, Ø12.0mm for Expert Tibia Nail	1
520-12.5	Reamer Head, Ø12.5mm for Expert Tibia Nail	1
520-13.0	Reamer Head, Ø13.0mm for Expert Tibia Nail	1
520-015	Insertion Handle for Expert Tibia Nail	1
520-016	Nail Holding Bolt for Expert Tibia Nail	2
520-018	Block for Connecting Shaft - Expert Tibia Nail	1
520-019	Connecting Shaft, M10 for Hammering Device - Expert Tibia Nail	1
520-020	Combination Wrench 11mm for Expert Tibia Nail	1
520-022	Hammer Guide Shaft for Expert Tibia Nail	1
520-023	Nut for Hammer Guide Shaft - Expert Tibia Nail	1
520-024	Sliding Hammer for Expert Tibia Nail	1
520-025	Distal Aiming Device for Expert Tibia Nail	1
520-026	Bolt for Distal Aiming Device - Expert Femur Nail	1
520-027	Allen Key, Hex 5mm for Expert Tibia Nail	1

Code	Set Consisting of	Units
<b>520-028</b>	Drill Sleeve, Ø5.2mm for Positioning Rod - Expert Tibia Nail	1
<b>520-029</b>	Drill Bit Plain Shank/ Jacob Chuck End Ø5.2mm x Length 250mm for Expert Tibia Nail	1
<b>520-030</b>	Ø5.2mm T-Handle Drill Bit with Flat End for Expert Tibia Nail	1
<b>520-031</b>	Positioning Rod for Expert Tibia Nail	1
<b>520-032</b>	Stabilizing Device for Expert Tibia Nail	1
<b>520-033</b>	Distal Aiming Arm for Expert Tibia Nail	1
<b>520-034</b>	Bolt for Distal Aiming Arm - Expert Tibia Nail	1
<b>520-035</b>	Protection Drill Sleeve 10/8mm for Expert Tibia Nail	2
<b>520-036</b>	Trocar Ø8mm for Expert Tibia Nail	1
<b>520-037</b>	Drill Sleeve 8/4mm for Ø4mm Drill Bit - Expert Tibia Nail	2
<b>520-038</b>	Drill Bit Plain Shank/Jacob Chuck End Ø4.0mm x Length 300mm for Expert Tibia Nail	3
<b>520-039</b>	Stopper for Ø4.0mm Drill Bit - Expert Tibia Nail	1
<b>520-040</b>	Allen Key, Hex 3mm for Expert Tibia Nail	1
<b>520-041</b>	Depth Gauge measuring upto 90mm for Expert Tibia Nail	1
<b>520-059</b>	Screwdriver with T-Handle, Hex 3.5mm for Expert Tibia Nail	1
<b>520-044</b>	Proximal Aiming Device for Ø4.4mm Locking Bolt - Expert Tibia Nail	1
<b>520-045</b>	Bolt for Proximal Aiming Device - Expert Tibia Nail	2
<b>520-046</b>	Proximal Aiming Device for Ø4.8mm Locking Bolt - Expert Tibia Nail	1
<b>520-047</b>	Protection Sleeve 11/8.6mm for Ø4.8mm Locking Bolt - Expert Tibia Nail	1
<b>520-048</b>	Drill Sleeve 8.5/3.2mm for Ø3.2mm Drill Bit - Expert Tibia Nail	1
<b>520-049</b>	Trocar Ø3.2mm for Expert Tibia Nail	1
<b>520-050</b>	Drill Bit Plain Shank/Jacob Chuck End Ø3.2mm x Length 250mm for Expert Tibia Nail	2
<b>520-051</b>	Stopper for Ø3.2mm Drill Bit - Expert Tibia Nail	1
<b>520-052</b>	Compression Device for Expert Tibia Nail	1
<b>520-053</b>	Universal Driver for Nail Holding Bolt - Expert Tibia Nail	1
<b>520-042</b>	Universal Screwdriver, Hex 3.5mm for Expert Tibia Nail	1
<b>520-060</b>	Depth Gauge measuring upto 100mm for Expert Tibia Nail	1
<b>7-010-02</b>	Medullary Exchange Tube	1
<b>7-010-03</b>	T-Handle for Flexible Reamer (AO Connection)	1
<b>520-056</b>	Instrument Trays For Expert Tibia Nailing Instrument Set	3
<b>520-057</b>	Container with PPSU Lid for Expert Tibia Nailing Instrument Set	1

# Expert Tibia

## **Nail Instrument Set (Suprapatellar Insertion)**

**7-112-01** Insertion Handle for Expert Tibia Nail - Suprapatellar Insertion



**7-112-02** Protection Sleeve Handle for Expert Tibia Nail - Suprapatellar Insertion



**7-112-03** Outer Protection Sleeve for Expert Tibia Nail - Suprapatellar Insertion



**7-112-04** Protection Sleeve 16/14.5mm for Expert Tibia Nail - Suprapatellar Insertion



**7-112-05** Trocar Ø14.5mm, PEEK, for Expert Tibia Nail - Suprapatellar Insertion



**7-112-06** Centering Sleeve 14.5/3.2mm for Expert Tibia Nail - Suprapatellar Insertion



**7-112-07** Proximal Aiming Device for Ø4.4mm Locking Bolt - Expert Tibia Nail (Suprapatellar Insertion)



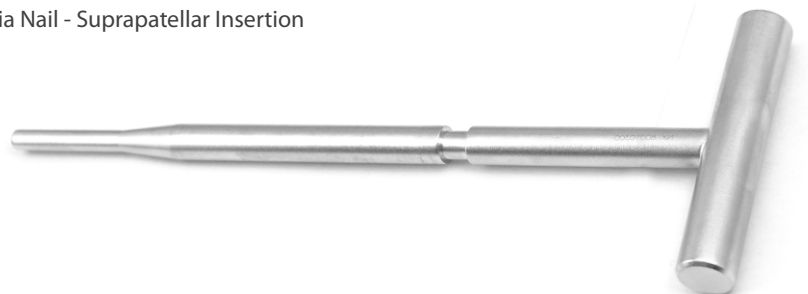
**7-112-08** Bolt for Proximal Aiming Device - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-09** Proximal Aiming Device for Ø4.8mm Locking Bolt - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-10** Positioning Rod For Expert Tibia Nail - Suprapatellar Insertion



**7-112-11** Stabilizing Device for Expert Tibia Nail - Suprapatellar Insertion



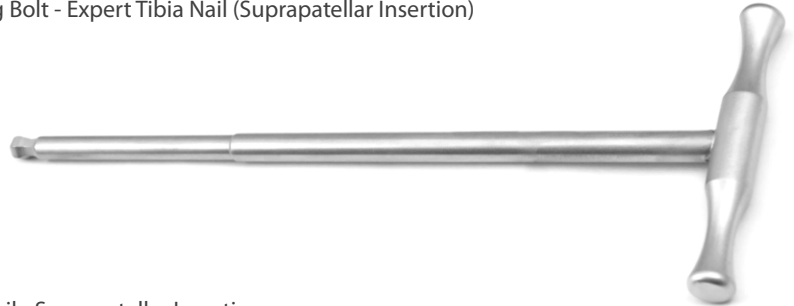
**7-112-12** Distal Aiming Arm for Expert Tibia Nail - Suprapatellar Insertion



**7-112-13** Bolt for Distal Targeting Device, for Expert Tibia Nail - Suprapatellar Insertion



**7-112-14** Universal Driver for Nail Holding Bolt - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-15** Entry Reamer for Expert Tibia Nail - Suprapatellar Insertion



**7-112-16** Compression Device for Expert Tibia Nail - Suprapatellar Insertion



**7-112-17** Extraction Screw for Expert Tibia Nail - Suprapatellar Insertion



**7-112-18** Connecting Shaft for Expert Tibia Nail - Suprapatellar Insertion



**7-112-19** Nail Holding Bolt, Long, for Expert Tibia Nail - Suprapatellar Insertion



**7-112-20** Combination Wrench 11mm for Expert Tibia Nail - Suprapatellar Insertion



**7-112-21** Sliding Hammer for Expert Tibia Nail - Suprapatellar Insertion



**7-112-22** Hammer Guide Shaft for Expert Tibia Nail - Suprapatellar Insertion



**7-112-23** Nut for Hammer Guide Shaft - Expert Tibia Nail - Suprapatellar Insertion



**7-112-24** Radiographic Ruler for Expert Tibia Nail - Suprapatellar Insertion



**520-004** Guide Wire With Threaded Tip  $\varnothing$ 3.2mm x Thread Length 10mm x Length 300mm



**7-112-25** Entry Cutter for Expert Tibia Nail - Suprapatellar Insertion



**7-112-26** Quick Coupling T Handle for Expert Tibia Nail - Suprapatellar Insertion



**7-112-27** Cannulated Awl for Expert Tibia Nail - Suprapatellar Insertion



**7-112-28** Reduction Device for Expert Tibia Nail - Suprapatellar Insertion



**520-013** Guide wire with Ball Tip  $\varnothing$ 2.5/3.65mm x Length 1000mm - Nitinol, for Expert Tibia Nail



**520-058**

Guide wire without Ball Tip Ø2.5mm x Length 1000mm - Nitinol, for Expert Tibia Nail



**7-112-29**

Guide Wire Holder for Expert Tibia Nail - Suprapatellar Insertion



**7-112-30**

Flexible Reamer Shaft (Jacob Connection) for Expert Tibia Nail - Suprapatellar Insertion



**Reamer Head**

Code	Dia	Code	Dia
7-112-31	Ø7.5mm	7-112-37	Ø10.5mm
7-112-32	Ø8mm	7-112-38	Ø11mm
7-112-33	Ø8.5mm	7-112-39	Ø11.5mm
7-112-34	Ø9mm	7-112-40	Ø12mm
7-112-35	Ø9.5mm	7-112-41	Ø12.5mm
7-112-36	Ø10mm	7-112-42	Ø13mm



**7-112-43**

Distal Aiming Device for Expert Tibia Nail - Suprapatellar Insertion

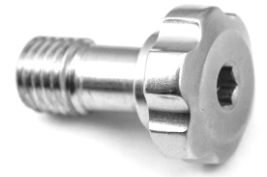


**7-112-44**

Ø5.2mm T-Handle Drill Bit with Flat End for Expert Tibia Nail - Suprapatellar Insertion



**7-112-45** Bolt for Distal Aiming Arm - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-46** Allen Key, Hex 5mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-47** Drill Sleeve, Ø5.2mm for Positioning Rod - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-48** Drill Bit Plain Shank/ Jacob Chuck End Ø5.2mm x Length 250mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-49** Protection Drill Sleeve 10/8mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-50** Trocar Ø8mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-51** Drill Sleeve 8/4mm for Ø4mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-52** Drill Bit Plain Shank/Jacob Chuck End Ø4.0mm x Length 300mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-53** Stopper for Ø4.0mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)



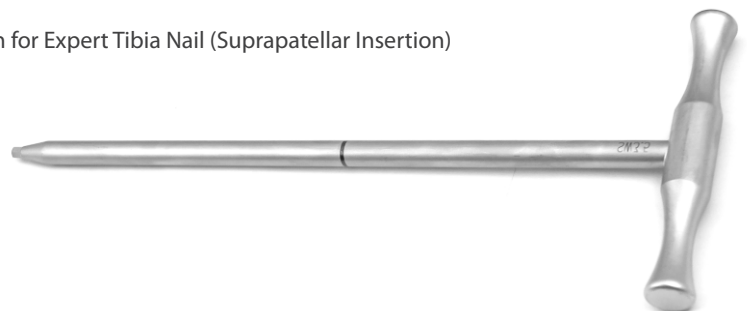
**7-112-54** Allen Key, Hex 3mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-55** Depth Gauge measuring upto 90mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-56** Screwdriver with T-Handle, Hex 3.5mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-57** Protection Sleeve 11/8.6mm for Ø4.8mm Locking Bolt - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-58** Drill Sleeve 8.5/3.2mm for Ø3.2mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)



**7-112-59** Trocar Ø3.2mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-60** Drill Bit Plain Shank/Jacob Chuck End Ø3.2mm x Length 250mm for Expert Tibia Nail (Suprapatellar Insertion)



**7-112-61** Stopper for Ø3.2mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)

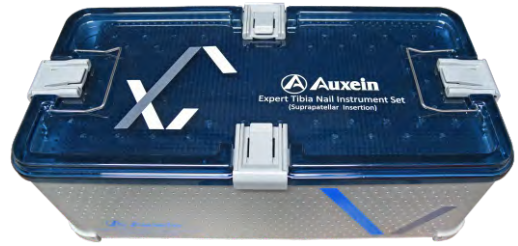


**7-112-62** Instrument Trays for Expert Tibia Nailing Instrument Set (Suprapatellar Insertion)

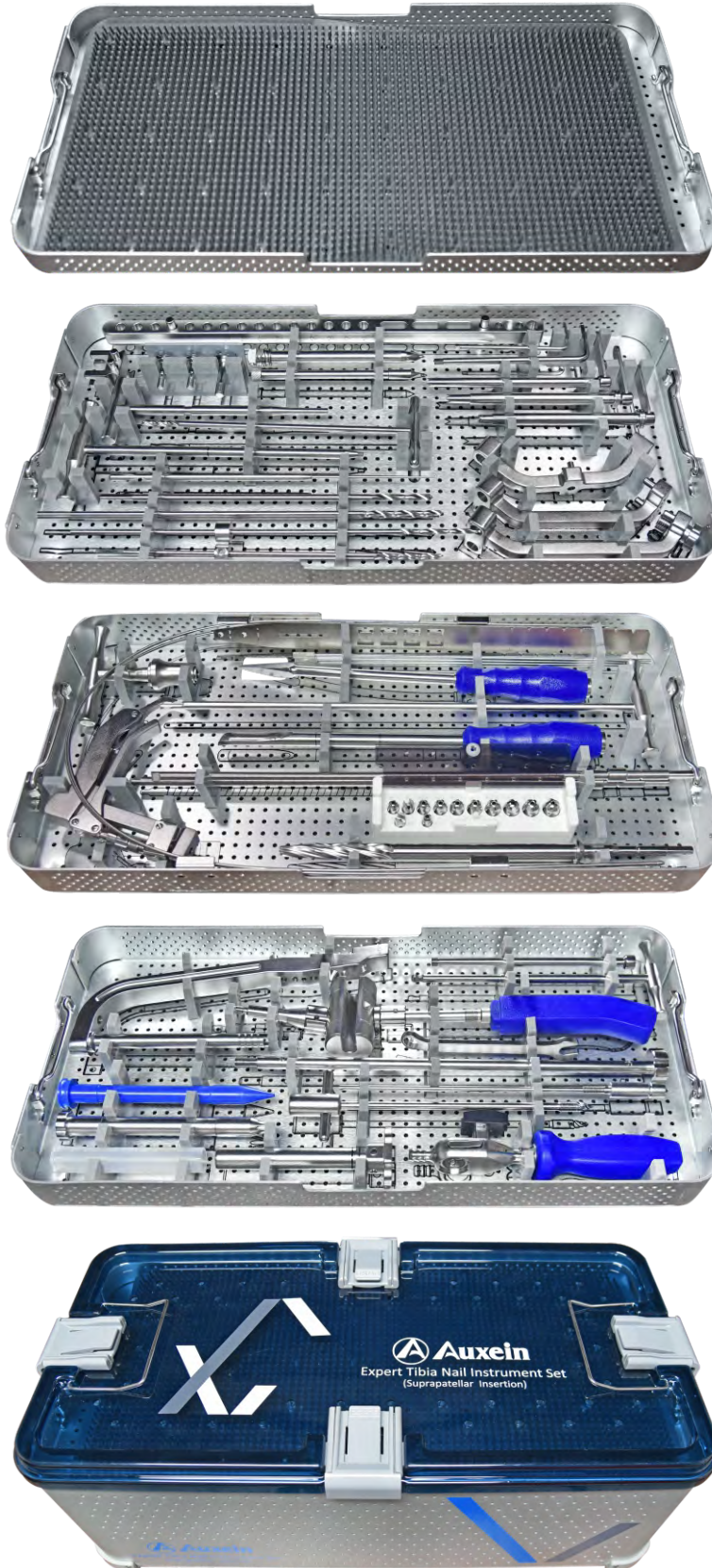


7-112-63

Container with PPSU lid for Expert Tibia Nailing Instrument Set (Suprapatellar Insertion)



**7-112** Expert Tibia Nailing Instrument Set (Suprapatellar Insertion)



**7-112 Expert Tibia Nailing Instrument Set (Suprapatellar Insertion)**

Code	Set Consisting of	Units
7-112-01	Insertion Handle for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-02	Protection Sleeve Handle for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-03	Outer Protection Sleeve for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-04	Protection Sleeve 16/14.5mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-05	Trocar Ø14.5mm, PEEK, for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-06	Centering Sleeve 14.5/3.2mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-07	Proximal Aiming Device for Ø4.4mm Locking Bolt - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-08	Bolt for Proximal Aiming Device - Expert Tibia Nail (Suprapatellar Insertion)	2
7-112-09	Proximal Aiming Device for Ø4.8mm Locking Bolt - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-10	Positioning Rod For Expert Tibia Nail - Suprapatellar Insertion	1
7-112-11	Stabilizing Device for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-12	Distal Aiming Arm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-13	Bolt for Distal Targeting Device, for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-14	Universal Driver for Nail Holding Bolt - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-15	Entry Reamer for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-16	Compression Device for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-17	Extraction Screw for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-18	Connecting Shaft for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-19	Nail Holding Bolt, Long, for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-20	Combination Wrench 11mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-21	Sliding Hammer for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-22	Hammer Guide Shaft for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-23	Nut for Hammer Guide Shaft - Expert Tibia Nail - Suprapatellar Insertion	1
7-112-24	Radiographic Ruler for Expert Tibia Nail - Suprapatellar Insertion	1
520-004	Guide Wire With Threaded Tip Ø3.2mm x Thread Length 10mm x Length 300mm	3
7-112-25	Entry Cutter for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-26	Quick Coupling T Handle for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-27	Cannulated Awl for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-28	Reduction Device for Expert Tibia Nail - Suprapatellar Insertion	1
520-013	Guide wire with Ball Tip Ø2.5/3.65mm x Length 1000mm - Nitinol, for Expert Tibia Nail	1
520-058	Guide wire without Ball Tip Ø2.5mm x Length 1000mm - Nitinol, for Expert Tibia Nail	1
7-112-29	Guide Wire Holder for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-30	Flexible Reamer Shaft (Jacob Connection) for Expert Tibia Nail - Suprapatellar Insertion	2

Code	Set Consisting of	Units
7-112-31	Reamer Head, Ø7.5mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-32	Reamer Head, Ø8.0mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-33	Reamer Head, Ø8.5mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-34	Reamer Head, Ø9.0mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-35	Reamer Head, Ø9.5mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-36	Reamer Head, Ø10.0mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-37	Reamer Head, Ø10.5mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-38	Reamer Head, Ø11.0mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-39	Reamer Head, Ø11.5mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-40	Reamer Head, Ø12.0mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-41	Reamer Head, Ø12.5mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-42	Reamer Head, Ø13.0mm for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-43	Distal Aiming Device for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-44	Ø5.2mm T-Handle Drill Bit with Flat End for Expert Tibia Nail - Suprapatellar Insertion	1
7-112-45	Bolt for Distal Aiming Arm - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-46	Allen Key, Hex 5mm for Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-47	Drill Sleeve, Ø5.2mm for Positioning Rod - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-48	Drill Bit Plain Shank/ Jacob Chuck End Ø5.2mm x Length 250mm for Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-49	Protection Drill Sleeve 10/8mm for Expert Tibia Nail (Suprapatellar Insertion)	2
7-112-50	Trocar Ø8mm for Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-51	Drill Sleeve 8/4mm for Ø4mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)	2
7-112-52	Drill Bit Plain Shank/Jacob Chuck End Ø4.0mm x Length 300mm for Expert Tibia Nail (Suprapatellar Insertion)	3
7-112-53	Stopper for Ø4.0mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-54	Allen Key, Hex 3mm for Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-55	Depth Gauge measuring upto 90mm for Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-56	Screwdriver with T-Handle, Hex 3.5mm for Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-57	Protection Sleeve 11/8.6mm for Ø4.8mm Locking Bolt - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-58	Drill Sleeve 8.5/3.2mm for Ø3.2mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-59	Trocar Ø3.2mm for Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-60	Drill Bit Plain Shank/Jacob Chuck End Ø3.2mm x Length 250mm for Expert Tibia Nail (Suprapatellar Insertion)	2
7-112-61	Stopper for Ø3.2mm Drill Bit - Expert Tibia Nail (Suprapatellar Insertion)	1
7-112-62	Instrument Trays for Expert Tibia Nailing Instrument Set (Suprapatellar Insertion)	3
7-112-63	Container with PPSU lid for Expert Tibia Nailing Instrument Set (Suprapatellar Insertion)	1



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