# EXPERT TIBIA 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 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 misalignment. 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.



# **Expert Tibia Nailing**



### **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.





Anterior - Posterior Locking optionMedial to Lateral Locking option

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



### **End Cap**

### 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

### 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**

### 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.

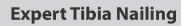






In anterior - posterior (AP) view the entry point is in line with the axis of the intra-medullary canal and with the lateral tubercle of the inter-condylar eminence.

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





## **Expert Tibia Nail**

Stain	220	Stool
Jeanin	633	26661

	Code	Dia x Length
	520-08-255	Ø8mm x 255mm
	520-08-270	Ø8mm x 270mm
	520-08-285	Ø8mm x 285mm
_	520-08-300	Ø8mm x 300mm
<b>38mm</b>	520-08-315	Ø8mm x 315mm
Ø	520-08-330	Ø8mm x 330mm
	520-08-345	Ø8mm x 345mm
	520-08-360	Ø8mm x 360mm
	520-08-375	Ø8mm x 375mm
	520-09-255	Ø9mm x 255mm
	520-09-270	Ø9mm x 270mm
	520-09-285	Ø9mm x 285mm
_	520-09-300	Ø9mm x 300mm
9mr	520-09-315	Ø9mm x 315mm
Ø	520-09-330	Ø9mm x 330mm
	520-09-345	Ø9mm x 345mm
	520-09-360	Ø9mm x 360mm
	520-09-375	Ø9mm x 375mm
	520-10-255	Ø10mm x 255mm
	520-10-270	Ø10mm x 270mm
	520-10-285	Ø10mm x 285mm
_	520-10-300	Ø10mm x 300mm
0mn	520-10-315	Ø10mm x 315mm
0	520-10-330	Ø10mm x 330mm
	520-10-345	Ø10mm x 345mm
	520-10-360	Ø10mm x 360mm
	520-10-375	Ø10mm x 375mm
r	520-11-255	Ø11mm x 255mm
	520-11-270	Ø11mm x 270mm
	520-11-285	Ø11mm x 285mm
_	520-11-300	Ø11mm x 300mm
Ø11mm	520-11-315	Ø11mm x 315mm
Ø	520-11-330	Ø11mm x 330mm
	520-11-345	Ø11mm x 345mm
	520-11-360	Ø11mm x 360mm
	520-11-375	Ø11mm x 375mm
Г	<b>520-12-255</b>	Ø12mm x 255mm
	520-12-270	Ø12mm x 270mm
	520-12-285	Ø12mm x 285mm
٦	520-12-300	Ø12mm x 300mm
Ø12mm	520-12-315	Ø12mm x 315mm
0	520-12-330	Ø12mm x 330mm
	520-12-345	Ø12mm x 345mm
	520-12-360	Ø12mm x 360mm
	520-12-375	Ø12mm x 375mm

### **Titanium**

Titanium			
	Code	Dia x Length	
	TI-520-08-255	Ø8mm x 255mm	
	TI-520-08-270	Ø8mm x 270mm	
	TI-520-08-285	Ø8mm x 285mm	
	TI-520-08-300	Ø8mm x 300mm	
38mr	TI-520-08-315	Ø8mm x 315mm	
Ø	TI-520-08-330	Ø8mm x 330mm	
	TI-520-08-345	Ø8mm x 345mm	
	TI-520-08-360	Ø8mm x 360mm	
	TI-520-08-375	Ø8mm x 375mm	
	TI-520-09-255	Ø9mm x 255mm	
	TI-520-09-270	Ø9mm x 270mm	
	TI-520-09-285	Ø9mm x 285mm	
_	TI-520-09-300	Ø9mm x 300mm	
Ø9mm	TI-520-09-315	Ø9mm x 315mm	
Ø	TI-520-09-330	Ø9mm x 330mm	
	TI-520-09-345	Ø9mm x 345mm	
	TI-520-09-360	Ø9mm x 360mm	
	TI-520-09-375	Ø9mm x 375mm	
	TI-520-10-255	Ø10mm x 255mm	
	TI-520-10-270	Ø10mm x 270mm	
	TI-520-10-285	Ø10mm x 285mm	
اء	TI-520-10-300	Ø10mm x 300mm	
0mr	TI-520-10-315	Ø10mm x 315mm	
Ø	TI-520-10-330	Ø10mm x 330mm	
	TI-520-10-345	Ø10mm x 345mm	
	TI-520-10-360	Ø10mm x 360mm	
	TI-520-10-375	Ø10mm x 375mm	
	TI-520-11-255	Ø11mm x 255mm	
	TI-520-11-270	Ø11mm x 270mm	
	TI-520-11-285	Ø11mm x 285mm	
٤	TI-520-11-300	Ø11mm x 300mm	
Ø11mm	TI-520-11-315	Ø11mm x 315mm	
Ø	TI-520-11-330	Ø11mm x 330mm	
	TI-520-11-345	Ø11mm x 345mm	
	TI-520-11-360	Ø11mm x 360mm	
Ц	TI-520-11-375	Ø11mm x 375mm	
	TI-520-12-255	Ø12mm x 255mm	
	TI-520-12-270	Ø12mm x 270mm	
	TI-520-12-285	Ø12mm x 285mm	
٤	TI-520-12-300	Ø12mm x 300mm	
Ø12mm	TI-520-12-315	Ø12mm x 315mm	
Ø	TI-520-12-330	Ø12mm x 330mm	
	TI-520-12-345	Ø12mm x 345mm	
	TI-520-12-360	Ø12mm x 360mm	
L_	TI-520-12-375	Ø12mm x 375mm	



# 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

# 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

### **End Cap For Expert Tibia Nail**



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



Expert Tibia Nail Implant Set

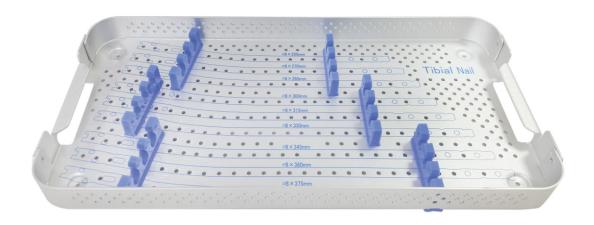
1-001TI Titanium | 1-001SS Stainless Steel







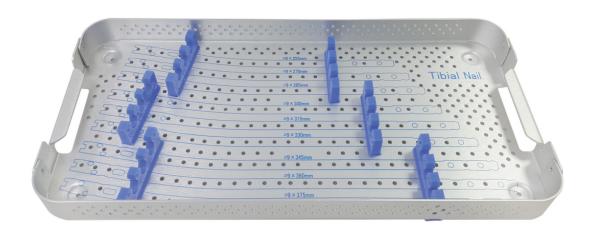
**Tray-1** For Expert Tibia Nail Ø8mm



Stainless Steel	Titanium	Dimension	Units
520-08-255	TI-520-08-255	Ø8mm x 255mm	1
520-08-270	TI-520-08-270	Ø8mm x 270mm	1
520-08-285	TI-520-08-285	Ø8mm x 285mm	1
520-08-300	TI-520-08-300	Ø8mm x 300mm	1
520-08-315	TI-520-08-315	Ø8mm x 315mm	1
520-08-330	TI-520-08-330	Ø8mm x 330mm	1
520-08-345	TI-520-08-345	Ø8mm x 345mm	1
520-08-360	TI-520-08-360	Ø8mm x 360mm	1
520-08-375	TI-520-08-375	Ø8mm x 375mm	1



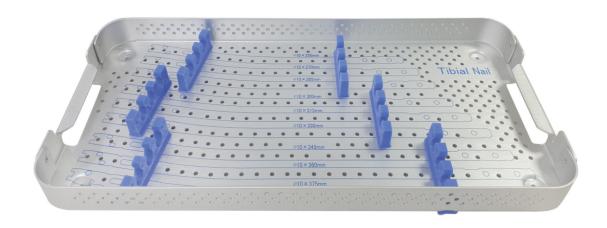
**Tray-2** For Expert Tibia Nail Ø9mm



Stainless Steel	Titanium	Dimension	Units
520-09-255	TI-520-09-255	Ø9mm x 255mm	1
520-09-270	TI-520-09-270	Ø9mm x 270mm	1
520-09-285	TI-520-09-285	Ø9mm x 285mm	1
520-09-300	TI-520-09-300	Ø9mm x 300mm	1
520-09-315	TI-520-09-315	Ø9mm x 315mm	1
520-09-330	TI-520-09-330	Ø9mm x 330mm	1
520-09-345	TI-520-09-345	Ø9mm x 345mm	1
520-09-360	TI-520-09-360	Ø9mm x 360mm	1
520-09-375	TI-520-09-375	Ø9mm x 375mm	1



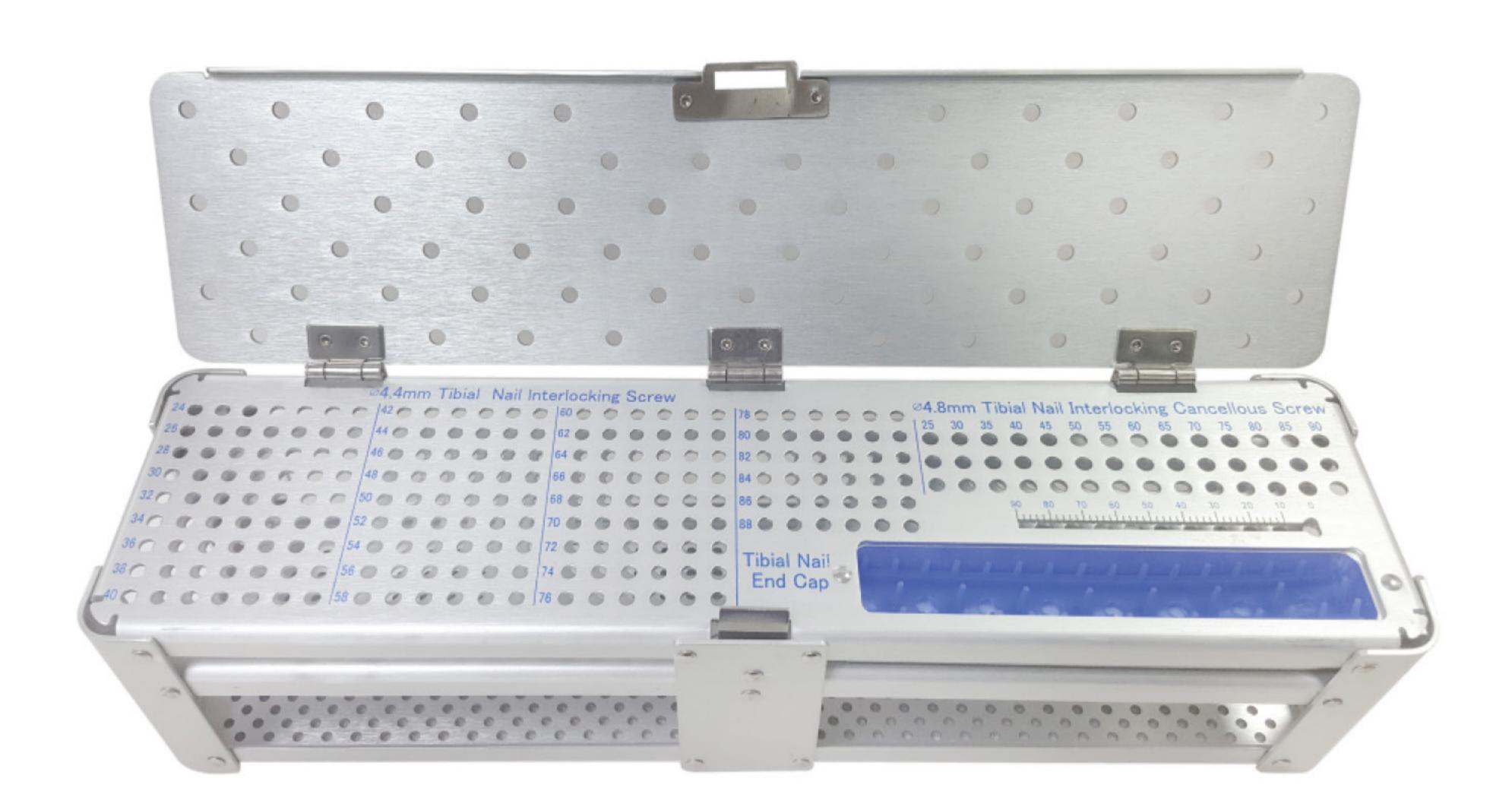
**Tray-3** For Expert Tibia Nail Ø10mm



Stainless Steel	Titanium	Dimension	Units
520-10-255	TI-520-10-255	Ø10mm x 255mm	1
520-10-270	TI-520-10-270	Ø10mm x 270mm	1
520-10-285	TI-520-10-285	Ø10mm x 285mm	1
520-10-300	TI-520-10-300	Ø10mm x 300mm	1
520-10-315	TI-520-10-315	Ø10mm x 315mm	1
520-10-330	TI-520-10-330	Ø10mm x 330mm	1
520-10-345	TI-520-10-345	Ø10mm x 345mm	1
520-10-360	TI-520-10-360	Ø10mm x 360mm	1
520-10-375	TI-520-10-375	Ø10mm x 375mm	1



# IMPB-520S Screw Tray For Expert Tibia Nail Implant Set



# Ø4.8mm Locking Bolt, Self Tapping

Stainless Steel	Titanium	Length	Units
520-002-25	TI-520-002-25	25	3
520-002-30	TI-520-002-30	30	3
520-002-35	TI-520-002-35	35	3
520-002-40	TI-520-002-40	40	3
520-002-45	TI-520-002-45	45	3
520-002-50	TI-520-002-50	50	3
520-002-55	TI-520-002-55	55	3
520-002-60	TI-520-002-60	60	3
520-002-65	TI-520-002-65	65	3
520-002-70	TI-520-002-70	70	3
520-002-75	TI-520-002-75	75	3
520-002-80	TI-520-002-80	80	3
520-002-85	TI-520-002-85	85	3
520-002-90	TI-520-002-90	90	3



### Ø4.4mm Locking Bolt, Self Tapping

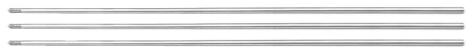
Stainless Steel	Titanium	Length	Units
520-058-24	TI-520-058-24	24mm	7
520-058-26	TI-520-058-26	26mm	7
520-058-28	TI-520-058-28	28mm	7
520-058-30	TI-520-058-30	30mm	7
520-058-32	TI-520-058-32	32mm	7
520-058-34	TI-520-058-34	34mm	7
520-058-36	TI-520-058-36	36mm	7
520-058-38	TI-520-058-38	38mm	7
520-058-40	TI-520-058-40	40mm	7
520-058-42	TI-520-058-42	42mm	6
520-058-440	TI-520-058-440	44mm	6
520-058-46	TI-520-058-46	46mm	6
520-058-48	TI-520-058-48	48mm	6
520-058-50	TI-520-058-50	50mm	6
520-058-52	TI-520-058-52	52mm	6
520-058-54	TI-520-058-54	54mm	6
520-058-56	TI-520-058-56	56mm	6
520-058-58	TI-520-058-58	58mm	6
520-058-60	TI-520-058-60	60mm	6
520-058-62	TI-520-058-62	62mm	6
520-058-64	TI-520-058-64	64mm	6
520-058-66	TI-520-058-66	66mm	6
520-058-68	TI-520-058-68	68mm	6
520-058-70	TI-520-058-70	70mm	6
520-058-72	TI-520-058-72	72mm	6
520-058-74	TI-520-058-74	74mm	6
520-058-76	TI-520-058-76	76mm	6
520-058-78	TI-520-058-78	78mm	6
520-058-80	TI-520-058-80	80mm	6
520-058-82	TI-520-058-82	82mm	6
520-058-84	TI-520-058-84	84mm	6
520-058-86	TI-520-058-86	86mm	6
520-058-88	TI-520-058-88	88mm	6



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



**520-004** Guide Wire With Threaded Tip Ø3.2mm x Thread Length 12mm x Length 300mm



**520-005** Guide Wire Holder



**520-006** Protection Sleeve For Entry Reamer 14/12mm



**520-007** Entry Cutter For Expert Tibia Nail Ø12mm



**520-008** Tissue Protector





520-009 Cannulated Awl For Expert Tibia Nail 520-010 Entry Reamer Ø12mm T- Handle For Entry Reamer 520-011 520-012 Reduction Device Guide Wire With Ball Tip Ø2.5/3.65mm x Length 1000mm - Nitinol 520-013 520-058 Guide Wire Without Ball Tip Ø2.5mm x Length 1000mm - Nitinol



### **520-014** Flexible Reamer Shaft (AO Connection)



### **Reamer Head**

Code	Dia	Co	ode	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



**520-019** Connecting Shaft



**520-020** Combination Wrench 11mm



**520-022** Hammer Guide Shaft



**520-023** Nut For Hammer Guide Shaft



**520-024** Sliding Hammer





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



**520-026** Bolt For Distal Aiming Device



**520-027** Allen Key, Hex 5mm



**520-028** Drill Sleeve Ø5.2mm (For Positioning Rod)



**520-029** Drill Bit Plain Shank/Jacob Chuck End Ø5.2mm x Length 250mm (For Positioning Rod)



**520-030** Drill With T-Handle Ø5.2mm (For Positioning Rod)





520-031 Positioning Rod For Expert Tibia Nail

520-032 Stabilizing Device (For Positioning Rod)

520-033 Distal Aiming Arm (For Distal Holes)

520-034 Bolt For Distal Aiming Arm

520-035 Protection Drill Sleeve 10/8.1mm

520-036 Trocar For Protection Sleeve Ø8.1mm



520-037 Drill Sleeve 8/4mm (For Ø4mm Drill Bit)



**520-038** Drill Bit Plain Shank/Jacob Chuck End Ø4mm x Length 300mm



**520-039** Stopper (For Ø4mm Drill Bit )



**520-040** Allen Key, Hex 3mm



**520-041** Screw Measuring Gauge, Length upto 90mm



**520-059** Screw Driver With T-Handle, Hex 3.5mm





**520-044** Proximal Aiming Device (For Ø4.4mm Locking Bolt)



**520-045** Bolt For Proximal Aiming Device



**520-046** Proximal Aiming Device (For Ø4.8mm Locking Bolt)



**520-047** Protection Sleeve 11/8.6mm (For Ø4.8mm Locking Bolt)



**520-048** Drill Sleeve 8.6/3.2mm (For Ø3.2mm Drill Bit)



**520-049** Trocar Ø3.2mm

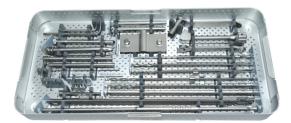


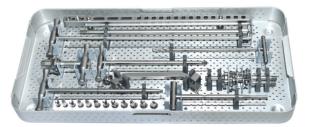


520-050 Drill Bit Plain Shank/Jacob Chuck End Ø3.2mm x Length 250mm (For Ø4.8mm Locking Bolt) 520-051 Stopper (For Ø3.2mm Drill Bit) 520-052 Compression Device For Expert Tibia Nail 520-053 Driver For Nail Holding Bolt 520-042 Screw Driver, Hex 3.5mm 520-060 Depth Gauge, Length upto 100mm



### **520-056** Trays For Expert Tibia Nailing System





### **520-057** Container For Expert Tibia Nailing System



### **Optional Instruments**

### 520-013S

Guide Wire With Ball Tip Ø2.5/3.65mm x Length 1000mm - Stainless Steel



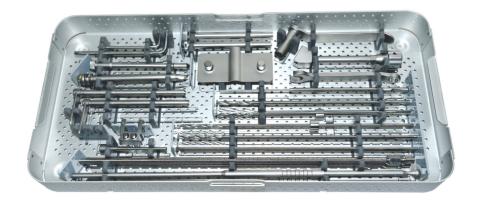
### 520-058S

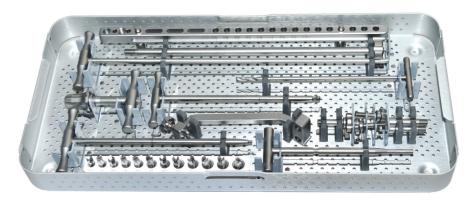
Guide Wire Without Ball Tip Ø2.5mm x Length 1000mm - Stainless Steel

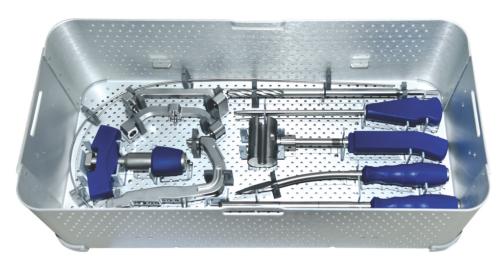




## **INS-520** Expert Tibia Nail Instrument Set









### **INS-520** Expert Tibia Nail 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 12mm x Length 300mm	
520-005	Guide Wire Holder	1
520-006	Protection Sleeve For Entry Reamer 14/12mm	1
520-007	Entry Cutter For Expert Tibia Nail Ø12mm	1
520-008	Tissue Protector	1
520-009	Cannulated Awl For Expert Tibia Nail	1
520-010	Entry Reamer Ø12mm	1
520-011	T- Handle For Entry Reamer	1
520-012	Reduction Device	1
520-013	Guide Wire With Ball Tip Ø2.5/3.65mm x Length 1000mm - Nitinol	1
520-058	Guide Wire Without Ball Tip Ø2.5mm x Length 1000mm - Nitinol	1
520-014	Flexible Reamer Shaft (AO Connection)	2
520-7.5	Reamer Head Ø7.5mm	1
520-8.0	Reamer Head Ø8mm	1
520-8.5	Reamer Head Ø8.5mm	1
520-9.0	Reamer Head Ø9mm	1
520-9.5	Reamer Head Ø9.5mm	1
520-10.0	Reamer Head Ø10mm	1
520-10.5	Reamer Head Ø10.5mm	1
520-11.0	Reamer Head Ø11mm	1
520-11.5	Reamer Head Ø11.5mm	1
520-12.0	Reamer Head Ø12mm	1
520-12.5	Reamer Head Ø12.5mm	1
520-13.0	Reamer Head Ø13mm	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	1
520-019	Connecting Shaft	1
520-020	Combination Wrench 11mm	1
520-022	Hammer Guide Shaft	1
520-023	Nut For Hammer Guide Shaft	1
520-024	Sliding Hammer	1
520-025	Distal Aiming Device For Expert Tibia Nail	1
520-026	Bolt For Distal Aiming Device	1
520-027	Allen Key, Hex 5mm	1



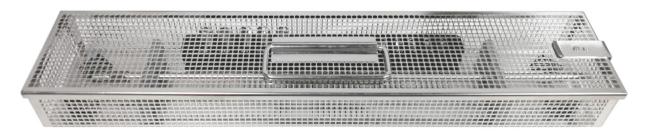
Code	Set Consisting of	Units
520-028	Drill Sleeve Ø5.2mm (For Positioning Rod)	1
520-029	Drill Bit Plain Shank/Jacob Chuck End Ø5.2mm x Length 250mm (For Positioning Rod)	1
520-030	Drill With T-Handle Ø5.2mm (For Positioning Rod)	1
520-031	Positioning Rod For Expert Tibia Nail	1
520-032	Stabilizing Device (For Positioning Rod)	1
520-033	Distal Aiming Arm (For Distal Holes)	1
520-034	Bolt For Distal Aiming Arm	1
520-035	Protection Drill Sleeve 10/8.1mm	2
520-036	Trocar For Protection Sleeve Ø8.1mm	1
520-037	Drill Sleeve 8/4mm (For Ø4mm Drill Bit)	2
520-038	Drill Bit Plain Shank/Jacob Chuck End Ø4mm x Length 300mm	3
520-039	Stopper (For Ø4mm Drill Bit)	1
520-040	Allen Key, Hex 3mm	1
520-041	Screw Measuring Gauge, Length upto 90mm	1
520-059	Screw Driver With T-Handle, Hex 3.5mm	1
520-044	Proximal Aiming Device (For Ø4.4mm Locking Bolt)	1
520-045	Bolt For Proximal Aiming Device	2
520-046	Proximal Aiming Device (For Ø4.8mm Locking Bolt)	1
520-047	Protection Sleeve 11/8.6mm (For Ø4.8mm Locking Bolt)	1
520-048	Drill Sleeve 8.6/3.2mm (For Ø3.2mm Drill Bit )	1
520-049	Trocar Ø3.2mm	1
520-050	Drill Bit Plain Shank/Jacob Chuck End Ø3.2mm x Length 250mm(For Ø4.8mm Locking Bolt)	2
520-051	Stopper (For Ø3.2mm Drill Bit)	1
520-052	Compression Device For Expert Tibia Nail	1
520-053	Driver For Nail Holding Bolt	1
520-042	Screw Driver, Hex 3.5mm	1
520-060	Depth Gauge, Length upto 100mm	1
520-056	Trays For Expert Tibia Nailing System	2
520-057	Container For Expert Tibia Nailing System	1

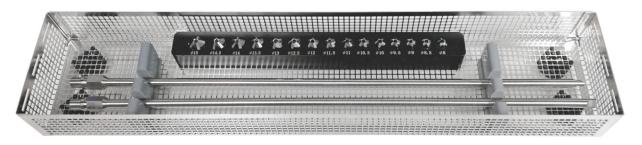
### **Optional Instruments**

Code	Item Description	Units
520-013S	Guide Wire With Ball Tip, Ø2.5/3.65mm x Length 1000mm - Stainless Steel	1
520-058S	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**

Dia
Ø8mm
Ø8.5mm
Ø9mm
Ø9.5mm
Ø10mm
Ø10.5mm
Ø11mm
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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