

EXPERT TIBIA NAILING SYSTEM

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edition
2022

 **Auxein®**

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 our innovator products that exceed the highest expectations of customers in term of quality and safety. The company has world-class manufacturing unit established in india and serves customers in over 75 countries worldwide.

Our Achievements



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.

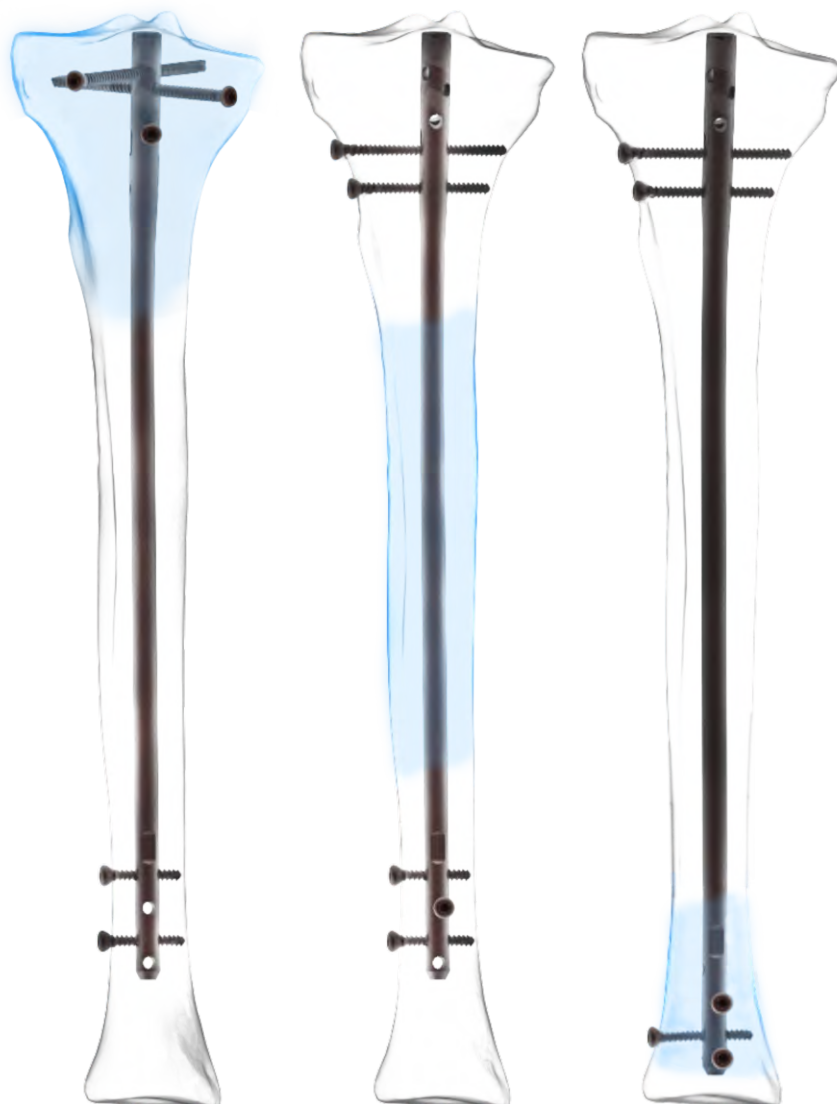
Distal Segment Fractures For distal fractures, it is recommended to lock distally first to facilitate reduction.



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

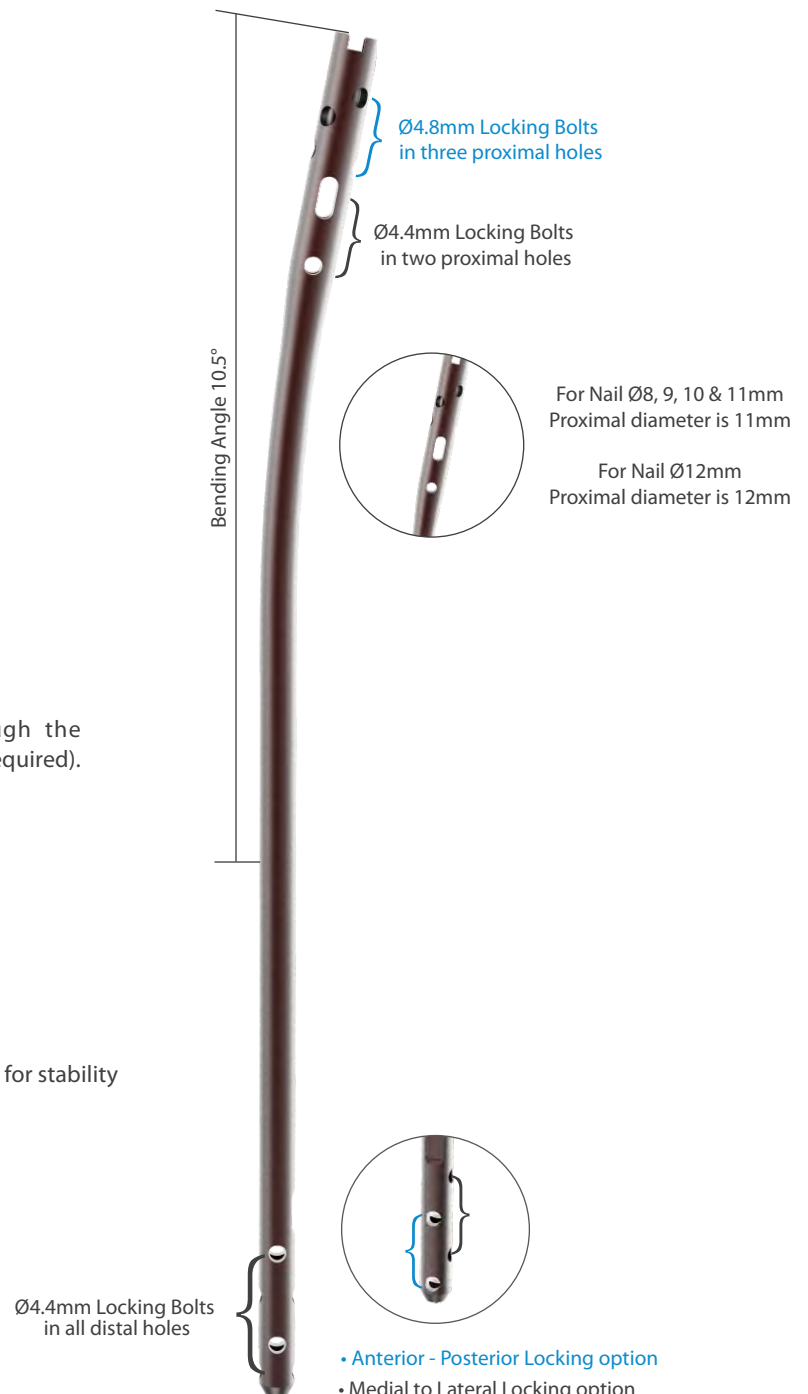
Cannulation:

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

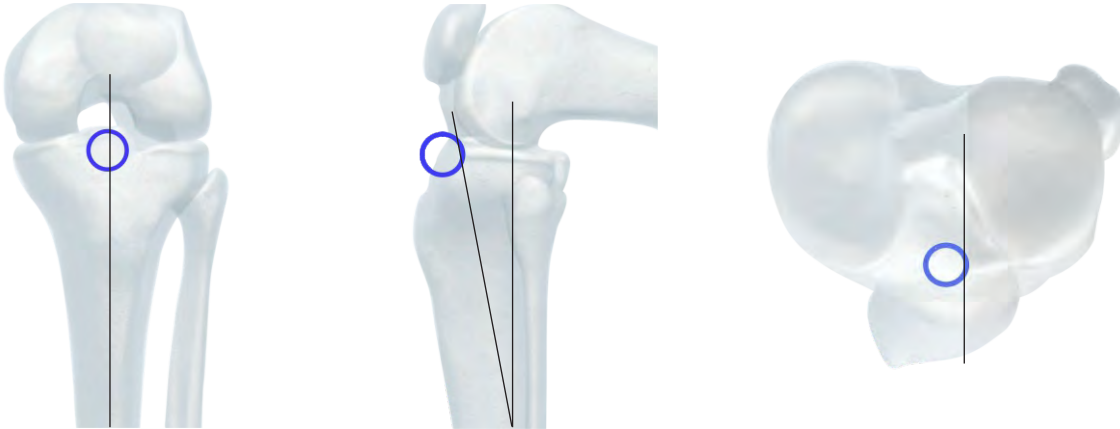
Features:

- 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	520-08-255	Ø8mm x 255mm
	520-08-270	Ø8mm x 270mm
	520-08-285	Ø8mm x 285mm
	520-08-300	Ø8mm x 300mm
	520-08-315	Ø8mm x 315mm
	520-08-330	Ø8mm x 330mm
	520-08-345	Ø8mm x 345mm
	520-08-360	Ø8mm x 360mm
	520-08-375	Ø8mm x 375mm
Ø9mm	520-09-255	Ø9mm x 255mm
	520-09-270	Ø9mm x 270mm
	520-09-285	Ø9mm x 285mm
	520-09-300	Ø9mm x 300mm
	520-09-315	Ø9mm x 315mm
	520-09-330	Ø9mm x 330mm
	520-09-345	Ø9mm x 345mm
	520-09-360	Ø9mm x 360mm
	520-09-375	Ø9mm x 375mm
Ø10mm	520-10-255	Ø10mm x 255mm
	520-10-270	Ø10mm x 270mm
	520-10-285	Ø10mm x 285mm
	520-10-300	Ø10mm x 300mm
	520-10-315	Ø10mm x 315mm
	520-10-330	Ø10mm x 330mm
	520-10-345	Ø10mm x 345mm
	520-10-360	Ø10mm x 360mm
	520-10-375	Ø10mm x 375mm
Ø11mm	520-11-255	Ø11mm x 255mm
	520-11-270	Ø11mm x 270mm
	520-11-285	Ø11mm x 285mm
	520-11-300	Ø11mm x 300mm
	520-11-315	Ø11mm x 315mm
	520-11-330	Ø11mm x 330mm
	520-11-345	Ø11mm x 345mm
	520-11-360	Ø11mm x 360mm
	520-11-375	Ø11mm x 375mm
Ø12mm	520-12-255	Ø12mm x 255mm
	520-12-270	Ø12mm x 270mm
	520-12-285	Ø12mm x 285mm
	520-12-300	Ø12mm x 300mm
	520-12-315	Ø12mm x 315mm
	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

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

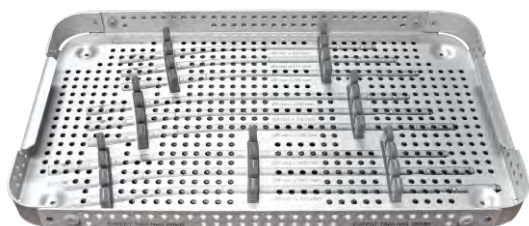
Ø4.4mm Locking Bolt, Self-Tapping, For Expert Tibia Nail



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

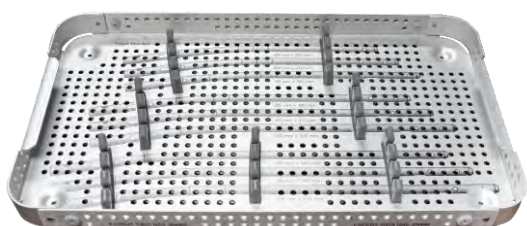
1-013 Implant Box for Expert Tibia Nailing



Tray 1


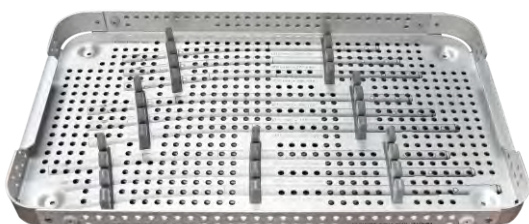
Dia	Length	Qty
Ø8mm	255mm to 375mm	1 pcs

Stainless Steel or Titanium Implants can be placed as per requirement

Tray 2


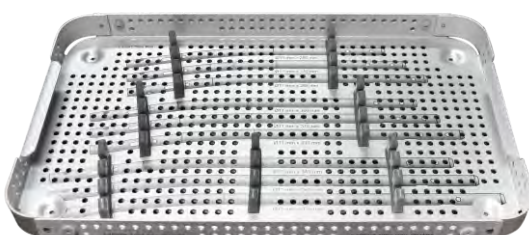
Dia	Length	Qty
Ø9mm	255mm to 375mm	1 pcs

Stainless Steel or Titanium Implants can be placed as per requirement

Tray 3


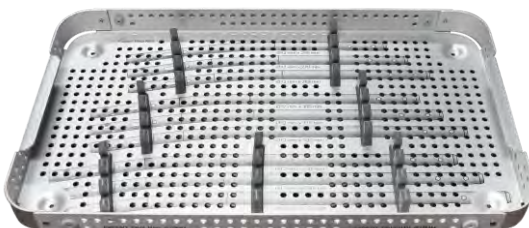
Dia	Length	Qty
Ø10mm	255mm to 375mm	1 pcs

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*

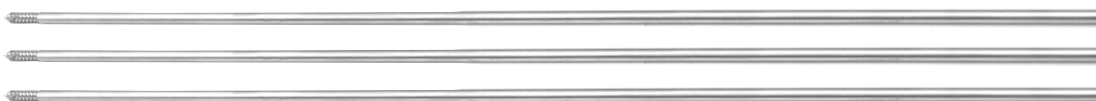
Expert Tibia

Nail Instrument Set

520-003 Radiographic Ruler for Expert Tibia Nail



520-004 Guide Wire With Threaded Tip Ø3.2mm 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 Ø12mm for Expert Tibia Nail



520-008 Tissue Protector for Expert Tibia Nail



520-009 Cannulated Awl for Expert Tibia Nail



520-010 Entry Reamer Ø12mm for Expert Tibia Nail



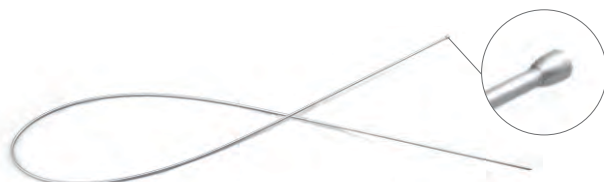
520-011 T- Handle for Entry Reamer - Expert Tibia Nail



520-012 Reduction Device for Expert Tibia Nail



520-013 Guide wire with Ball Tip Ø2.5/3.65mm 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



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 Ø4.0mm x Length 300mm for Expert Tibia Nail



520-039

Stopper for Ø4.0mm 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 Ø4.4mm 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



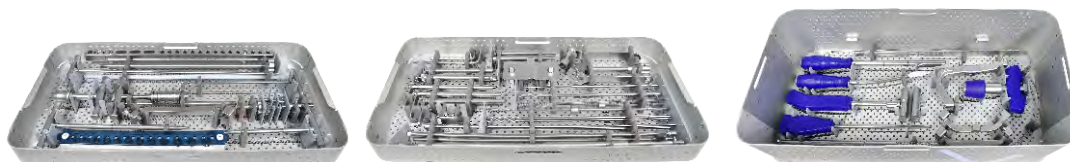
7-010-03

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 Ø2.5/3.65mm x Length 1000mm - Stainless Steel, for Expert Tibia Nail



520-058S

Guide Wire Without Ball Tip Ø2.5mm 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
520-028	Drill Sleeve, Ø5.2mm for Positioning Rod - Expert Tibia Nail	1
520-029	Drill Bit Plain Shank/ Jacob Chuck End Ø5.2mm x Length 250mm for Expert Tibia Nail	1
520-030	Ø5.2mm T-Handle Drill Bit with Flat End for Expert Tibia Nail	1
520-031	Positioning Rod for Expert Tibia Nail	1
520-032	Stabilizing Device for Expert Tibia Nail	1
520-033	Distal Aiming Arm for Expert Tibia Nail	1
520-034	Bolt for Distal Aiming Arm - Expert Tibia Nail	1
520-035	Protection Drill Sleeve 10/8mm for Expert Tibia Nail	2
520-036	Trocar Ø8mm for Expert Tibia Nail	1
520-037	Drill Sleeve 8/4mm for Ø4mm Drill Bit - Expert Tibia Nail	2
520-038	Drill Bit Plain Shank/Jacob Chuck End Ø4.0mm x Length 300mm for Expert Tibia Nail	3
520-039	Stopper for Ø4.0mm Drill Bit - Expert Tibia Nail	1
520-040	Allen Key, Hex 3mm for Expert Tibia Nail	1
520-041	Depth Gauge measuring upto 90mm for Expert Tibia Nail	1
520-059	Screwdriver with T-Handle, Hex 3.5mm for Expert Tibia Nail	1
520-044	Proximal Aiming Device for Ø4.4mm Locking Bolt - Expert Tibia Nail	1
520-045	Bolt for Proximal Aiming Device - Expert Tibia Nail	2
520-046	Proximal Aiming Device for Ø4.8mm Locking Bolt - Expert Tibia Nail	1
520-047	Protection Sleeve 11/8.6mm for Ø4.8mm Locking Bolt - Expert Tibia Nail	1
520-048	Drill Sleeve 8.5/3.2mm for Ø3.2mm Drill Bit - Expert Tibia Nail	1
520-049	Trocar Ø3.2mm for Expert Tibia Nail	1
520-050	Drill Bit Plain Shank/Jacob Chuck End Ø3.2mm x Length 250mm for Expert Tibia Nail	2
520-051	Stopper for Ø3.2mm Drill Bit - Expert Tibia Nail	1
520-052	Compression Device for Expert Tibia Nail	1
520-053	Universal Driver for Nail Holding Bolt - Expert Tibia Nail	1
520-042	Universal Screwdriver, Hex 3.5mm for Expert Tibia Nail	1
520-060	Depth Gauge measuring upto 100mm for Expert Tibia Nail	1
7-010-02	Medullary Exchange Tube	1
7-010-03	T-Handle for Flexible Reamer (AO Connection)	1
520-056	Instrument Trays For Expert Tibia Nailing Instrument Set	3
520-057	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)



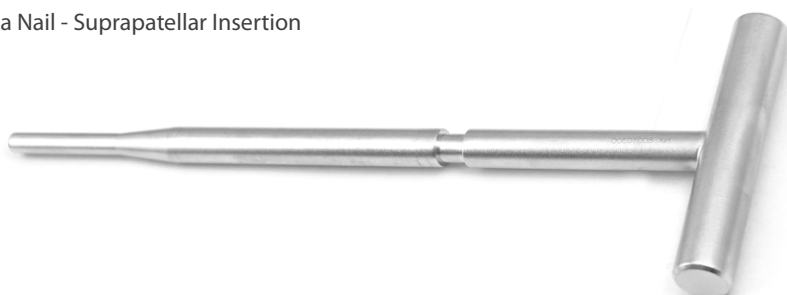
7-112-08 Bolt for Proximal Aiming Device - Expert Tibia Nail (Suprapatellar Insertion)



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



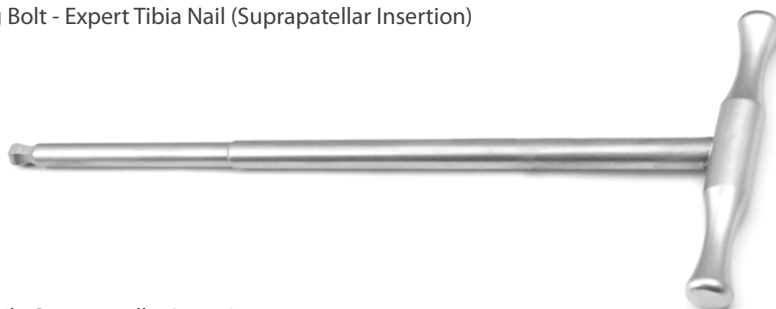
7-112-12 Distal Aiming Arm for Expert Tibia Nail - Suprapatellar Insertion



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 Ø3.2mm 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 Ø2.5/3.65mm 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

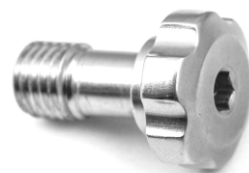


7-112-44

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)



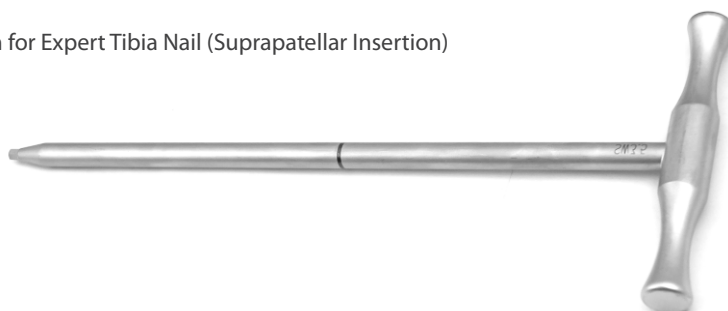
- 7-112-54** Allen Key, Hex 3mm for Expert Tibia Nail (Suprapatellar Insertion)



- 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)

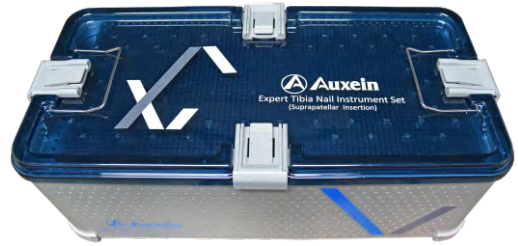


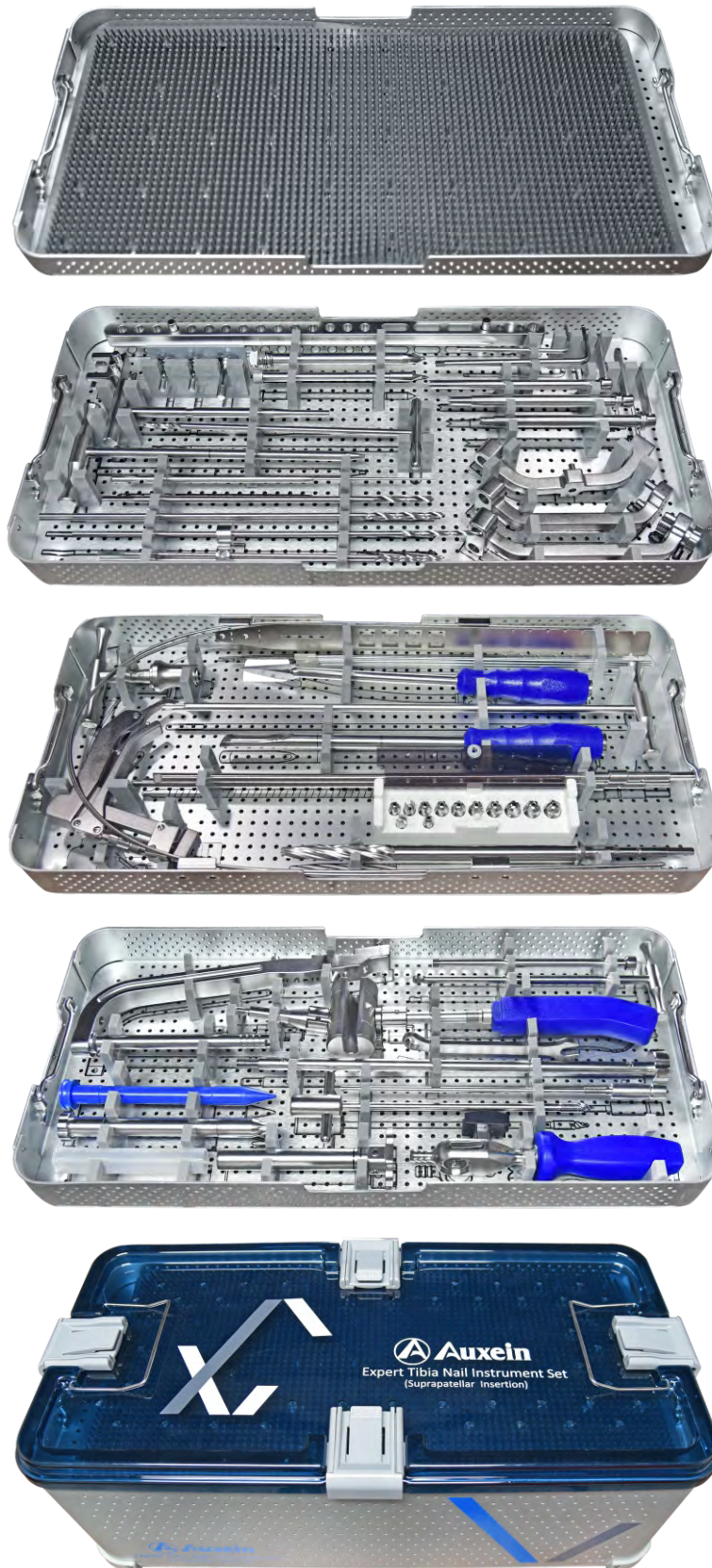
7-112-62 Instrument Trays for Expert Tibia Nailing Instrument Set (Suprapatellar Insertion)



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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