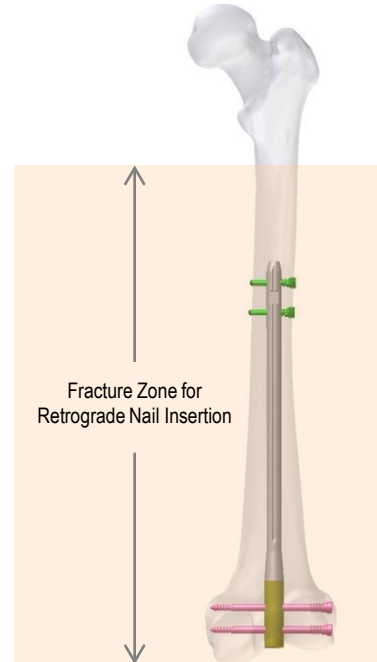


SEINE™ Retrograde Femur Nailing System



SEINE™ Retrograde Femur Nailing System addresses the spectrum of femoral fractures ranging from the distal femur to the shaft, using an intracondylar insertion point. The system features a minimal invasive technique and biomechanical stability allow early functional exercise. It also provides an accurate and fast mechanical aiming device for proximal and distal locking.



Features & Benefits

- Minimal invasive technique and biomechanical stability allow early functional exercise.
- Accurate and fast mechanical aiming device for proximal and distal locking.
- A locking screw of a smooth shank configuration is much stronger for a given diameter than a fully threaded screw.
- All of the implants are available in Titanium Alloy and Stainless Steel.
- The nails and locking screws are color coded for easy identification.



Indications for Use

The primary indications are for femoral shaft fractures including segmental, severely comminuted, spiral, large, and oblique fractures, and nonunions and malunions.

Supracondylar fractures with or without difficult intracondylar extension, fractures that require opening the knee joint to stabilize the femoral condylar segment, and fractures above a total knee implant may be treated with the retrograde nail.

It may also be used in the treatment of femoral reconstruction following tumor resection and grafting and in impending pathologic fractures of the shaft or distal femur.

Implant Information

Locking Screw Ø5.0mm, for Retrograde Femur Nail



REF (S. S)	REF (TIT)	DIA mm	LENGTH mm
MOI 11503028	MOI 31503028	5.0	28
MOI 11503030	MOI 31503030	5.0	30
MOI 11503032	MOI 31503032	5.0	32
MOI 11503034	MOI 31503034	5.0	34
MOI 11503036	MOI 31503036	5.0	36
MOI 11503038	MOI 31503038	5.0	38
MOI 11503040	MOI 31503040	5.0	40
MOI 11503042	MOI 31503042	5.0	42
MOI 11503044	MOI 31503044	5.0	44
MOI 11503046	MOI 31503046	5.0	46
MOI 11503048	MOI 31503048	5.0	48
MOI 11503050	MOI 31503050	5.0	50
MOI 11503052	MOI 31503052	5.0	52
MOI 11503054	MOI 31503054	5.0	54
MOI 11503056	MOI 31503056	5.0	56
MOI 11503058	MOI 31503058	5.0	58
MOI 11503060	MOI 31503060	5.0	60
MOI 11503064	MOI 31503064	5.0	64
MOI 11503065	MOI 31503065	5.0	65
MOI 11503068	MOI 31503068	5.0	68
MOI 11503070	MOI 31503070	5.0	70
MOI 11503072	MOI 31503072	5.0	72
MOI 11503075	MOI 31503075	5.0	75
MOI 11503076	MOI 31503076	5.0	76
MOI 11503080	MOI 31503080	5.0	80
MOI 11503085	MOI 31503085	5.0	85
MOI 11503090	MOI 31503090	5.0	90
MOI 11503095	MOI 31503095	5.0	95
MOI 11503100	MOI 31503100	5.0	100

Locking Screw Ø4.0mm



REF (S. S)	REF (TIT)	DIA mm	LENGTH mm
MOI 11501024	MOI 31501024	4.0	24
MOI 11501026	MOI 31501026	4.0	26
MOI 11501028	MOI 31501028	4.0	28
MOI 11501030	MOI 31501030	4.0	30
MOI 11501032	MOI 31501032	4.0	32
MOI 11501034	MOI 31501034	4.0	34
MOI 11501035	MOI 31501035	4.0	35
MOI 11501036	MOI 31501036	4.0	36
MOI 11501038	MOI 31501038	4.0	38
MOI 11501040	MOI 31501040	4.0	40
MOI 11501042	MOI 31501042	4.0	42
MOI 11501044	MOI 31501044	4.0	44
MOI 11501045	MOI 31501045	4.0	45
MOI 11501046	MOI 31501046	4.0	46
MOI 11501048	MOI 31501048	4.0	48
MOI 11501050	MOI 31501050	4.0	50
MOI 11501052	MOI 31501052	4.0	52
MOI 11501054	MOI 31501054	4.0	54
MOI 11501055	MOI 31501055	4.0	55
MOI 11501056	MOI 31501056	4.0	56
MOI 11501058	MOI 31501058	4.0	58
MOI 11501060	MOI 31501060	4.0	60
MOI 11501064	MOI 31501064	4.0	64
MOI 11501065	MOI 31501065	4.0	65
MOI 11501068	MOI 31501068	4.0	68
MOI 11501070	MOI 31501070	4.0	70
MOI 11501072	MOI 31501072	4.0	72
MOI 11501074	MOI 31501074	4.0	74
MOI 11501076	MOI 31501076	4.0	76
MOI 11501078	MOI 31501078	4.0	78
MOI 11501080	MOI 31501080	4.0	80
MOI 11501082	MOI 31501082	4.0	82
MOI 11501085	MOI 31501085	4.0	85
MOI 11501090	MOI 31501090	4.0	90
MOI 11501100	MOI 31501100	4.0	100

End Cap, for SEINET™ Retrograde Femur Nail



REF (S. S)	REF (TIT)	SIZE mm
MOI 11704100	MOI 31704100	0
MOI 11704000	MOI 31704000	2
MOI 11704005	MOI 31704005	5
MOI 11704010	MOI 31704010	10
MOI 11704015	MOI 31704015	15

SEINE™ Retrograde Femur Nails

SEINE™ Retrograde Femur Nails

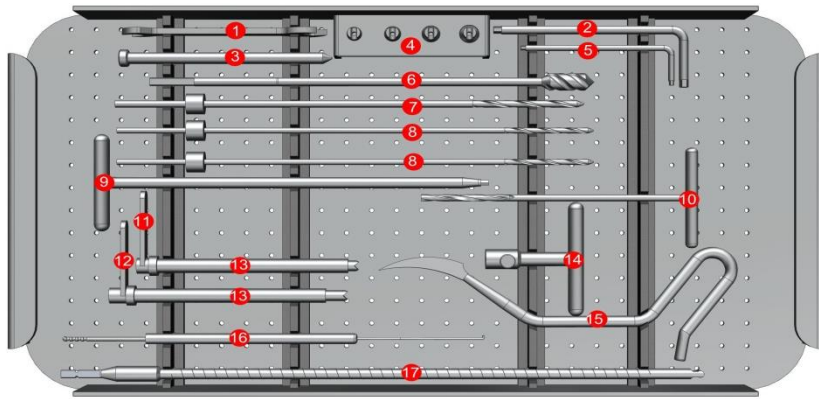


REF (S. S)	REF (TIT)	DIA mm	LENGTH mm	TYPE
MOI 11016160	MOI 31016160	9.0	160	Solid
MOI 11016180	MOI 31016180	9.0	180	Solid
MOI 11016200	MOI 31016200	9.0	200	Solid
MOI 11016220	MOI 31016220	9.0	220	Solid
MOI 11016240	MOI 31016240	9.0	240	Solid
MOI 11016260	MOI 31016260	9.0	260	Solid
MOI 11016280	MOI 31016280	9.0	280	Solid
MOI 11016300	MOI 31016300	9.0	300	Solid
MOI 11016320	MOI 31016320	9.0	320	Solid
MOI 11016340	MOI 31016340	9.0	340	Solid
MOI 11016360	MOI 31016360	9.0	360	Solid
MOI 11016380	MOI 31016380	9.0	380	Solid
MOI 11016400	MOI 31016400	9.0	400	Solid
MOI 11016420	MOI 31016420	9.0	420	Solid
MOI 11016440	MOI 31016440	9.0	440	Solid
MOI 11016460	MOI 31016460	9.0	460	Solid
MOI 11017160	MOI 31017160	10.0	160	Solid
MOI 11017180	MOI 31017180	10.0	180	Solid
MOI 11017200	MOI 31017200	10.0	200	Solid
MOI 11017220	MOI 31017220	10.0	220	Solid
MOI 11017240	MOI 31017240	10.0	240	Solid
MOI 11017260	MOI 31017260	10.0	260	Solid
MOI 11017280	MOI 31017280	10.0	280	Solid
MOI 11017300	MOI 31017300	10.0	300	Solid
MOI 11017320	MOI 31017320	10.0	320	Solid
MOI 11017340	MOI 31017340	10.0	340	Solid
MOI 11017360	MOI 31017360	10.0	360	Solid
MOI 11017380	MOI 31017380	10.0	380	Solid
MOI 11017400	MOI 31017400	10.0	400	Solid
MOI 11017420	MOI 31017420	10.0	420	Solid
MOI 11017440	MOI 31017440	10.0	440	Solid
MOI 11017460	MOI 31017460	10.0	460	Solid
MOI 11018160	MOI 31018160	11.0	160	Solid
MOI 11018180	MOI 31018180	11.0	180	Solid
MOI 11018200	MOI 31018200	11.0	200	Solid
MOI 11018220	MOI 31018220	11.0	220	Solid
MOI 11018240	MOI 31018240	11.0	240	Solid
MOI 11018260	MOI 31018260	11.0	260	Solid
MOI 11018280	MOI 31018280	11.0	280	Solid
MOI 11018300	MOI 31018300	11.0	300	Solid
MOI 11018320	MOI 31018320	11.0	320	Solid
MOI 11018340	MOI 31018340	11.0	340	Solid
MOI 11018360	MOI 31018360	11.0	360	Solid
MOI 11018380	MOI 31018380	11.0	380	Solid
MOI 11018400	MOI 31018400	11.0	400	Solid
MOI 11018420	MOI 31018420	11.0	420	Solid
MOI 11018440	MOI 31018440	11.0	440	Solid
MOI 11018460	MOI 31018460	11.0	460	Solid
MOI 11044160	MOI 31044160	12.0	160	Solid
MOI 11044180	MOI 31044180	12.0	180	Solid
MOI 11044200	MOI 31044200	12.0	200	Solid
MOI 11044220	MOI 31044220	12.0	220	Solid
MOI 11044240	MOI 31044240	12.0	240	Solid
MOI 11044260	MOI 31044260	12.0	260	Solid
MOI 11044280	MOI 31044280	12.0	280	Solid
MOI 11044300	MOI 31044300	12.0	300	Solid
MOI 11044320	MOI 31044320	12.0	320	Solid
MOI 11044340	MOI 31044340	12.0	340	Solid
MOI 11044360	MOI 31044360	12.0	360	Solid
MOI 11044380	MOI 31044380	12.0	380	Solid
MOI 11044400	MOI 31044400	12.0	400	Solid
MOI 11044420	MOI 31044420	12.0	420	Solid
MOI 11044440	MOI 31044440	12.0	440	Solid
MOI 11044460	MOI 31044460	12.0	460	Solid
MOI 11072160	MOI 31072160	13.0	160	Solid
MOI 11072180	MOI 31072180	13.0	180	Solid
MOI 11072200	MOI 31072200	13.0	200	Solid
MOI 11072220	MOI 31072220	13.0	220	Solid
MOI 11072240	MOI 31072240	13.0	240	Solid
MOI 11072260	MOI 31072260	13.0	260	Solid
MOI 11072280	MOI 31072280	13.0	280	Solid
MOI 11072300	MOI 31072300	13.0	300	Solid
MOI 11072320	MOI 31072320	13.0	320	Solid
MOI 11072340	MOI 31072340	13.0	340	Solid
MOI 11072360	MOI 31072360	13.0	360	Solid
MOI 11072380	MOI 31072380	13.0	380	Solid
MOI 11072400	MOI 31072400	13.0	400	Solid
MOI 11072420	MOI 31072420	13.0	420	Solid
MOI 11072440	MOI 31072440	13.0	440	Solid
MOI 11072460	MOI 31072460	13.0	460	Solid

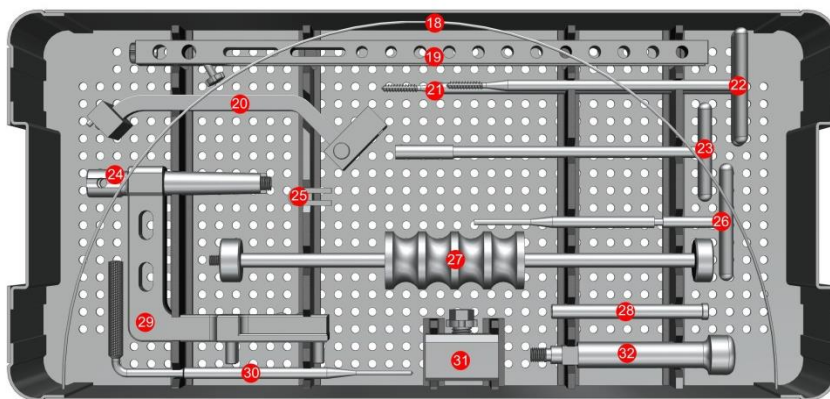
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MOI 11316180	MOI 31316180	9.0	180	Cannulated
MOI 11316200	MOI 31316200	9.0	200	Cannulated
MOI 11316220	MOI 31316220	9.0	220	Cannulated
MOI 11316240	MOI 31316240	9.0	240	Cannulated
MOI 11316260	MOI 31316260	9.0	260	Cannulated
MOI 11316280	MOI 31316280	9.0	280	Cannulated
MOI 11316300	MOI 31316300	9.0	300	Cannulated
MOI 11316320	MOI 31316320	9.0	320	Cannulated
MOI 11316340	MOI 31316340	9.0	340	Cannulated
MOI 11316360	MOI 31316360	9.0	360	Cannulated
MOI 11316380	MOI 31316380	9.0	380	Cannulated
MOI 11316400	MOI 31316400	9.0	400	Cannulated
MOI 11316420	MOI 31316420	9.0	420	Cannulated
MOI 11316440	MOI 31316440	9.0	440	Cannulated
MOI 11316460	MOI 31316460	9.0	460	Cannulated
MOI 11317160	MOI 31317160	10.0	160	Cannulated
MOI 11317180	MOI 31317180	10.0	180	Cannulated
MOI 11317200	MOI 31317200	10.0	200	Cannulated
MOI 11317220	MOI 31317220	10.0	220	Cannulated
MOI 11317240	MOI 31317240	10.0	240	Cannulated
MOI 11317260	MOI 31317260	10.0	260	Cannulated
MOI 11317280	MOI 31317280	10.0	280	Cannulated
MOI 11317300	MOI 31317300	10.0	300	Cannulated
MOI 11317320	MOI 31317320	10.0	320	Cannulated
MOI 11317340	MOI 31317340	10.0	340	Cannulated
MOI 11317360	MOI 31317360	10.0	360	Cannulated
MOI 11317380	MOI 31317380	10.0	380	Cannulated
MOI 11317400	MOI 31317400	10.0	400	Cannulated
MOI 11317420	MOI 31317420	10.0	420	Cannulated
MOI 11317440	MOI 31317440	10.0	440	Cannulated
MOI 11317460	MOI 31317460	10.0	460	Cannulated
MOI 11318160	MOI 31318160	11.0	160	Cannulated
MOI 11318180	MOI 31318180	11.0	180	Cannulated
MOI 11318200	MOI 31318200	11.0	200	Cannulated
MOI 11318220	MOI 31318220	11.0	220	Cannulated
MOI 11318240	MOI 31318240	11.0	240	Cannulated
MOI 11318260	MOI 31318260	11.0	260	Cannulated
MOI 11318280	MOI 31318280	11.0	280	Cannulated
MOI 11318300	MOI 31318300	11.0	300	Cannulated
MOI 11318320	MOI 31318320	11.0	320	Cannulated
MOI 11318340	MOI 31318340	11.0	340	Cannulated
MOI 11318360	MOI 31318360	11.0	360	Cannulated
MOI 11318380	MOI 31318380	11.0	380	Cannulated
MOI 11318400	MOI 31318400	11.0	400	Cannulated
MOI 11318420	MOI 31318420	11.0	420	Cannulated
MOI 11318440	MOI 31318440	11.0	440	Cannulated
MOI 11318460	MOI 31318460	11.0	460	Cannulated
MOI 11339160	MOI 31339160	12.0	160	Cannulated
MOI 11339180	MOI 31339180	12.0	180	Cannulated
MOI 11339200	MOI 31339200	12.0	200	Cannulated
MOI 11339220	MOI 31339220	12.0	220	Cannulated
MOI 11339240	MOI 31339240	12.0	240	Cannulated
MOI 11339260	MOI 31339260	12.0	260	Cannulated
MOI 11339280	MOI 31339280	12.0	280	Cannulated
MOI 11339300	MOI 31339300	12.0	300	Cannulated
MOI 11339320	MOI 31339320	12.0	320	Cannulated
MOI 11339340	MOI 31339340	12.0	340	Cannulated
MOI 11339360	MOI 31339360	12.0	360	Cannulated
MOI 11339380	MOI 31339380	12.0	380	Cannulated
MOI 11339400	MOI 31339400	12.0	400	Cannulated
MOI 11339420	MOI 31339420	12.0	420	Cannulated
MOI 11339440	MOI 31339440	12.0	440	Cannulated
MOI 11339460	MOI 31339460	12.0	460	Cannulated
MOI 11396160	MOI 31396160	13.0	160	Cannulated
MOI 11396180	MOI 31396180	13.0	180	Cannulated
MOI 11396200	MOI 31396200	13.0	200	Cannulated
MOI 11396220	MOI 31396220	13.0	220	Cannulated
MOI 11396240	MOI 31396240	13.0	240	Cannulated
MOI 11396260	MOI 31396260	13.0	260	Cannulated
MOI 11396280	MOI 31396280	13.0	280	Cannulated
MOI 11396300	MOI 31396300	13.0	300	Cannulated
MOI 11396320	MOI 31396320	13.0	320	Cannulated
MOI 11396340	MOI 31396340	13.0	340	Cannulated
MOI 11396360	MOI 31396360	13.0	360	Cannulated
MOI 11396380	MOI 31396380	13.0	380	Cannulated
MOI 11396400	MOI 31396400	13.0	400	Cannulated
MOI 11396420	MOI 31396420	13.0	420	Cannulated
MOI 11396440	MOI 31396440	13.0	440	Cannulated
MOI 11396460	MOI 31396460	13.0	460	Cannulated

INSTRUMENTS INFORMATION

SEINE Retrograde Femur Nail Instruments



REF	DESCRIPTION	UNITS
1	MOI 0200001 Hex Wrench, Open	1
2	MOI 0100023 Allen Wrench SW5.0, Large	1
3	MOI 0201005 Soft Tissue Protector, 8.0mm	1
4	MOI 1400000 Replaceable Reamer Heads	4
5	MOI 0100025 Allen Wrench SW3.0, Small	1
6	MOI 1400001 Rigid Reamer, 13.0mm	1
7	MOI 1400002 Drill Bit 5.0mm, with Drill Stop	1
8	MOI 0100003 Drill Bit 4.0mm, with Drill Stop	2
9	MOI 0200007 T-Handled Screwdriver SW3.5	1
10	MOI 1400003 T-Handled Reamer 5.0mm, for Position Rod	1
11	MOI 1400004 Protection and Drill Sleeve, for Position Rod	1
12	MOI 1400005 Protection Sleeve 5.0/4.0mm, for Locking Screw	1
13	MOI 1400006 Protection Sleeve	2
14	MOI 0200010 Quick Coupling T-Handle	1
15	MOI 0200003 Point Awl	1
16	MOI 0200008 Depth Gauge for Locking Screw	1
17	MOI 0100043 Flexible Reamer Shaft	1



REF	DESCRIPTION	UNITS
18	MOI 1400007 Guide Wire	1
19	MOI 1400008 Guide Bar	1
20	MOI 1400009 Distal Aiming Arm	1
21	MOI 1400010 T-Handled Tap 6.5mm	1
22	MOI 1400011 T-Handled Tap 6.0mm	1
23	MOI 0200025 Locking Screw Extractor	1
24	MOI 1400012 Connecting Bolt	1
25	MOI 1400013 U-Shape Block, for Stabilizing Rod	1
26	MOI 1400014 Stabilizing Rod	1
27	MOI 1400015 Sliding Hammer, for Nail Insertion / Extraction	1
28	MOI 1400016 Protection Sleeve	1
29	MOI 1400017 Insertion Handle	1
30	MOI 0200029 L-Position Rod	1
31	MOI 1400018 Locking Block	1
32	MOI 1400019 Handle, for Nail Extraction	1

REF	DESCRIPTION	UNITS
33	MOI 1400100 Retrograde Femur Nail I Container	



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