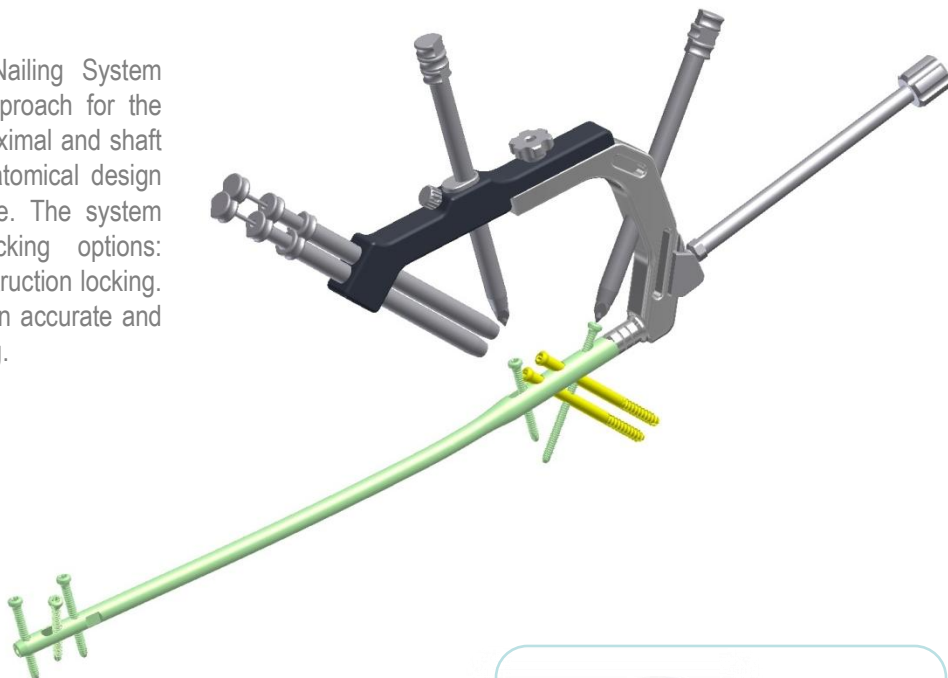


MAKALU™ Expert Femur Nailing System permits an intramedullary approach for the fixation of fractures of the proximal and shaft femur. It is an optimized anatomical design for improved clinical outcome. The system provides two proximal locking options: Standard locking and Reconstruction locking. The aiming device provides an accurate and fast proximal and distal locking.



Features & Benefits

- Optimal fit in bone. Easier insertion and extraction.
- Accurate and fast mechanical aiming device for distal locking.
- Optimal lateral entry point. Easier and safer access to entry site.
- Cannulated end caps. Easier insertion and extraction.



- Multiple locking options for proximal locking.

- Higher angular stability through multiplanar screws.



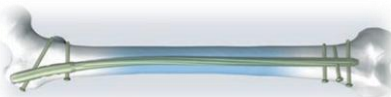
Standard locking



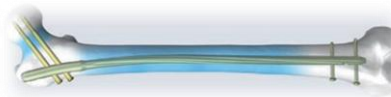
Reconstruction locking



Indications for Use



- Femoral shaft fractures (except subtrochanteric fractures)



- Subtrochanteric fractures
- Combined femoral shaft and neck fractures

Implant Information

MAKALU™ Expert Femur Nail, Left



REF (S. S)	REF (TIT)	DIA mm	LENGTH mm	TYPE
MOI 11346300	MOI 31346300	9.0	300	Cannulated
MOI 11346320	MOI 31346320	9.0	320	Cannulated
MOI 11346340	MOI 31346340	9.0	340	Cannulated
MOI 11346360	MOI 31346360	9.0	360	Cannulated
MOI 11346380	MOI 31346380	9.0	380	Cannulated
MOI 11346400	MOI 31346400	9.0	400	Cannulated
MOI 11346420	MOI 31346420	9.0	420	Cannulated
MOI 11346440	MOI 31346440	9.0	440	Cannulated
MOI 11347300	MOI 31347300	10.0	300	Cannulated
MOI 11347320	MOI 31347320	10.0	320	Cannulated
MOI 11347340	MOI 31347340	10.0	340	Cannulated
MOI 11347360	MOI 31347360	10.0	360	Cannulated
MOI 11347380	MOI 31347380	10.0	380	Cannulated
MOI 11347400	MOI 31347400	10.0	400	Cannulated
MOI 11347420	MOI 31347420	10.0	420	Cannulated
MOI 11347440	MOI 31347440	10.0	440	Cannulated
MOI 11348300	MOI 31348300	11.0	300	Cannulated
MOI 11348320	MOI 31348320	11.0	320	Cannulated
MOI 11348340	MOI 31348340	11.0	340	Cannulated
MOI 11348360	MOI 31348360	11.0	360	Cannulated
MOI 11348380	MOI 31348380	11.0	380	Cannulated
MOI 11348400	MOI 31348400	11.0	400	Cannulated
MOI 11348420	MOI 31348420	11.0	420	Cannulated
MOI 11348440	MOI 31348440	11.0	440	Cannulated
MOI 11349300	MOI 31349300	12.0	300	Cannulated
MOI 11349320	MOI 31349320	12.0	320	Cannulated
MOI 11349340	MOI 31349340	12.0	340	Cannulated
MOI 11349360	MOI 31349360	12.0	360	Cannulated
MOI 11349380	MOI 31349380	12.0	380	Cannulated
MOI 11349400	MOI 31349400	12.0	400	Cannulated
MOI 11349420	MOI 31349420	12.0	420	Cannulated
MOI 11349440	MOI 31349440	12.0	440	Cannulated
MOI 11350300	MOI 31350300	13.0	300	Cannulated
MOI 11350320	MOI 31350320	13.0	320	Cannulated
MOI 11350340	MOI 31350340	13.0	340	Cannulated
MOI 11350360	MOI 31350360	13.0	360	Cannulated
MOI 11350380	MOI 31350380	13.0	380	Cannulated
MOI 11350400	MOI 31350400	13.0	400	Cannulated
MOI 11350420	MOI 31350420	13.0	420	Cannulated
MOI 11350440	MOI 31350440	13.0	440	Cannulated
MOI 11351300	MOI 31351300	14.0	300	Cannulated
MOI 11351320	MOI 31351320	14.0	320	Cannulated
MOI 11351340	MOI 31351340	14.0	340	Cannulated
MOI 11351360	MOI 31351360	14.0	360	Cannulated
MOI 11351380	MOI 31351380	14.0	380	Cannulated
MOI 11351400	MOI 31351400	14.0	400	Cannulated
MOI 11351420	MOI 31351420	14.0	420	Cannulated
MOI 11351440	MOI 31351440	14.0	440	Cannulated

MAKALU™ Expert Femur Nail, Right



REF (S. S)	REF (TIT)	DIA mm	LENGTH mm	TYPE
MOI 11378300	MOI 31378300	9.0	300	Cannulated
MOI 11378320	MOI 31378320	9.0	320	Cannulated
MOI 11378340	MOI 31378340	9.0	340	Cannulated
MOI 11378360	MOI 31378360	9.0	360	Cannulated
MOI 11378380	MOI 31378380	9.0	380	Cannulated
MOI 11378400	MOI 31378400	9.0	400	Cannulated
MOI 11378420	MOI 31378420	9.0	420	Cannulated
MOI 11378440	MOI 31378440	9.0	440	Cannulated
MOI 11379300	MOI 31379300	10.0	300	Cannulated
MOI 11379320	MOI 31379320	10.0	320	Cannulated
MOI 11379340	MOI 31379340	10.0	340	Cannulated
MOI 11379360	MOI 31379360	10.0	360	Cannulated
MOI 11379380	MOI 31379380	10.0	380	Cannulated
MOI 11379400	MOI 31379400	10.0	400	Cannulated
MOI 11379420	MOI 31379420	10.0	420	Cannulated
MOI 11379440	MOI 31379440	10.0	440	Cannulated
MOI 11380300	MOI 31380300	11.0	300	Cannulated
MOI 11380320	MOI 31380320	11.0	320	Cannulated
MOI 11380340	MOI 31380340	11.0	340	Cannulated
MOI 11380360	MOI 31380360	11.0	360	Cannulated
MOI 11380380	MOI 31380380	11.0	380	Cannulated
MOI 11380400	MOI 31380400	11.0	400	Cannulated
MOI 11380420	MOI 31380420	11.0	420	Cannulated
MOI 11380440	MOI 31380440	11.0	440	Cannulated
MOI 11381300	MOI 31381300	12.0	300	Cannulated
MOI 11381320	MOI 31381320	12.0	320	Cannulated
MOI 11381340	MOI 31381340	12.0	340	Cannulated
MOI 11381360	MOI 31381360	12.0	360	Cannulated
MOI 11381380	MOI 31381380	12.0	380	Cannulated
MOI 11381400	MOI 31381400	12.0	400	Cannulated
MOI 11381420	MOI 31381420	12.0	420	Cannulated
MOI 11381440	MOI 31381440	12.0	440	Cannulated
MOI 11382300	MOI 31382300	13.0	300	Cannulated
MOI 11382320	MOI 31382320	13.0	320	Cannulated
MOI 11382340	MOI 31382340	13.0	340	Cannulated
MOI 11382360	MOI 31382360	13.0	360	Cannulated
MOI 11382380	MOI 31382380	13.0	380	Cannulated
MOI 11382400	MOI 31382400	13.0	400	Cannulated
MOI 11382420	MOI 31382420	13.0	420	Cannulated
MOI 11382440	MOI 31382440	13.0	440	Cannulated
MOI 11383300	MOI 31383300	14.0	300	Cannulated
MOI 11383320	MOI 31383320	14.0	320	Cannulated
MOI 11383340	MOI 31383340	14.0	340	Cannulated
MOI 11383360	MOI 31383360	14.0	360	Cannulated
MOI 11383380	MOI 31383380	14.0	380	Cannulated
MOI 11383400	MOI 31383400	14.0	400	Cannulated
MOI 11383420	MOI 31383420	14.0	420	Cannulated
MOI 11383440	MOI 31383440	14.0	440	Cannulated

Locking Bolt Ø6.5mm, for MAKALU™



REF (S. S)	REF (TIT)	DIA mm	LENGTH mm
MOI 11521060	MOI 31521060	6.5	60
MOI 11521065	MOI 31521065	6.5	65
MOI 11521070	MOI 31521070	6.5	70
MOI 11521075	MOI 31521075	6.5	75
MOI 11521080	MOI 31521080	6.5	80
MOI 11521085	MOI 31521085	6.5	85
MOI 11521090	MOI 31521090	6.5	90
MOI 11521095	MOI 31521095	6.5	95
MOI 11521100	MOI 31521100	6.5	100
MOI 11521105	MOI 31521105	6.5	105
MOI 11521110	MOI 31521110	6.5	110
MOI 11521115	MOI 31521115	6.5	115
MOI 11521120	MOI 31521120	6.5	120
MOI 11521125	MOI 31521125	6.5	125
MOI 11521130	MOI 31521130	6.5	130

Locking Screw Ø5.0mm, for MAKALU™



REF (S. S)	REF (TIT)	DIA mm	LENGTH mm
MOI 11520030	MOI 31520030	5.0	30
MOI 11520032	MOI 31520032	5.0	32
MOI 11520034	MOI 31520034	5.0	34
MOI 11520036	MOI 31520036	5.0	36
MOI 11520038	MOI 31520038	5.0	38
MOI 11520040	MOI 31520040	5.0	40
MOI 11520042	MOI 31520042	5.0	42
MOI 11520044	MOI 31520044	5.0	44
MOI 11520046	MOI 31520046	5.0	46
MOI 11520048	MOI 31520048	5.0	48
MOI 11520050	MOI 31520050	5.0	50
MOI 11520052	MOI 31520052	5.0	52
MOI 11520054	MOI 31520054	5.0	54
MOI 11520056	MOI 31520056	5.0	56
MOI 11520058	MOI 31520058	5.0	58
MOI 11520060	MOI 31520060	5.0	60
MOI 11520062	MOI 31520062	5.0	62
MOI 11520064	MOI 31520064	5.0	64
MOI 11520066	MOI 31520066	5.0	66
MOI 11520068	MOI 31520068	5.0	68
MOI 11520070	MOI 31520070	5.0	70
MOI 11520072	MOI 31520072	5.0	72
MOI 11520074	MOI 31520074	5.0	74
MOI 11520076	MOI 31520076	5.0	76
MOI 11520078	MOI 31520078	5.0	78
MOI 11520080	MOI 31520080	5.0	80
MOI 11520085	MOI 31520085	5.0	85
MOI 11520090	MOI 31520090	5.0	90
MOI 11520095	MOI 31520095	5.0	95
MOI 11520100	MOI 31520100	5.0	100

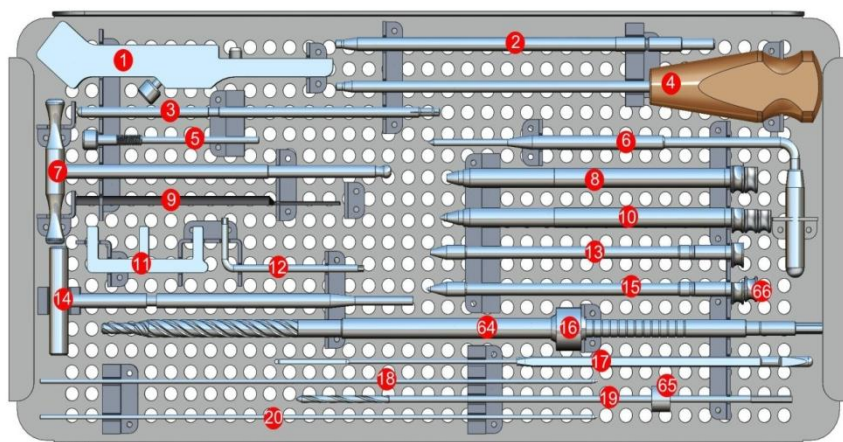
End Cap, for MAKALU™



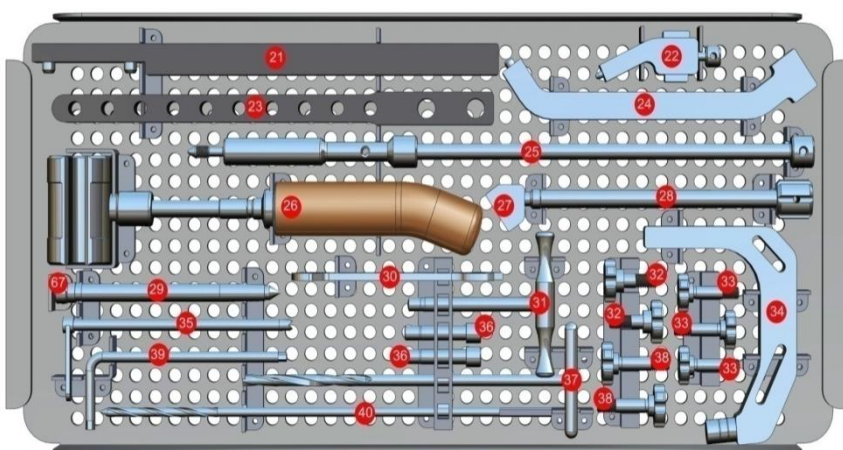
REF (S. S)	REF (TIT)	SIZE mm
MOI 11711000	MOI 31711000	0
MOI 11711005	MOI 31711005	5
MOI 11711010	MOI 31711010	10
MOI 11711015	MOI 31711015	15
MOI 11711020	MOI 31711020	20

INSTRUMENTS INFORMATION

MAKALU™ Expert Femur Nailing System Instrument Set



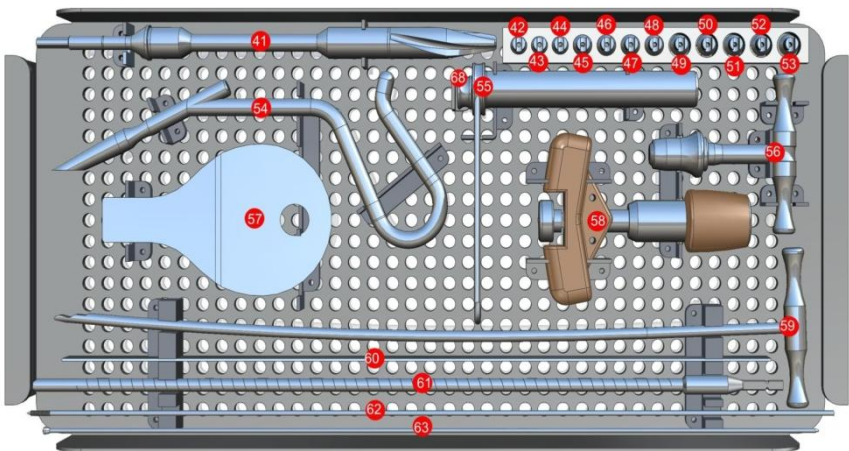
REF	DESCRIPTION	UNITS
1 MOI 0202052	Proximal Aiming Arm	
2 MOI 0202050	Screwdriver Shaft, Stardrive	
3 MOI 0202060	End Cap Holder	
4 MOI 0202051	Screwdriver Stardrive	
5 MOI 0202061	Compression Rod	
6 MOI 0202049	L-Position Rod	
7 MOI 0202062	Screwdriver, hexagonal with spherical head SW6.5	
8 MOI 0202045	Protection Sleeve 11.0/8.2	
9 MOI 0202057	Measuring Device for Guide Wires	
10 MOI 0202003	Drill Sleeve 8.2/4.0	
11 MOI 0202044	Stabilizing Spacer	
12 MOI 0100025	Allen Wrench SW3.0	
13 MOI 0202046	Trocar 4.0	
14 MOI 0202043	Stabilizing Rod	
15 MOI 0202053	Guide Wire Sleeve 8.2/2.5	
16 MOI 0202059	Drill Stop, for Stepped Reamer 6.5/2.5	
17 MOI 0202063	Depth Gauge, for Locking Screw	
18 MOI 0202055	Guide Wire 2.5X338	
19 MOI 0202047	Drill Bit 4.0	
20 MOI 0202056	Threaded Guide Wire 2.5X338	
64 MOI 0202058	Stepped Reamer 6.5 / 2.5	
65 MOI 0202048	Drill Stop SW3.0, for Drill Bit 4.0	
66 MOI 0202054	Trocar 2.5	



REF	DESCRIPTION	UNITS
21 MOI 0202031	Proximal Guide Bar	
22 MOI 0202036	Distal Guide Block	
23 MOI 0202033	Distal Guide Bar	
24 MOI 0202035	Distal Outtrigger	
25 MOI 0202030	Hammer Guide, for Nail Extraction	
26 MOI 0302025	Sliding Hammer	
27 MOI 0202028	Connector, for Insertion Handle	
28 MOI 0202029	Connector, for Hammer Guide	
29 MOI 0202038	Protection Sleeve 10.0/8.1, for Stabilizing Rod	
30 MOI 0202000	Spanner SW11	
31 MOI 0202027	T-Handle Screwdriver SW6.5 for Connecting Bolt	
32 MOI 0202032	Wheel Lock SW5 for Insertion Handle	
33 MOI 0202037	Wheel Lock SW5 for Outtrigger	
34 MOI 0202026	Insertion Handle	
35 MOI 0202040	Drill Sleeve 8.1/5.2, for Stabilizing Rod	
36 MOI 0202009	Connection Bolt	
37 MOI 0202042	T-Handled Reamer 5.2	
38 MOI 0202034	Wheel Lock SW5 for Guide Bar	
39 MOI 0100023	Allen Wrench SW5.0	
40 MOI 0202041	Drill Bit 5.2	
67 MOI 0202039	Trocar 8.1	

INSTRUMENTS INFORMATION

MAKALU™ Expert Femur Nailing System Instrument Set



REF	DESCRIPTION	UNITS
41	MOI 0202008 Proximal Drill Bit 3.2/14.3, Cannulated	
42	MOI 0202014-1 Reamer Head 8.5	
43	MOI 0202014-2 Reamer Head 9.0	
44	MOI 0202014-3 Reamer Head 9.5	
45	MOI 0202014-4 Reamer Head 10.0	
46	MOI 0202014-5 Reamer Head 10.5	
47	MOI 0202014-6 Reamer Head 11.0	
48	MOI 0202014-7 Reamer Head 11.5	
49	MOI 0202014-8 Reamer Head 12.0	
50	MOI 0202014-9 Reamer Head 12.5	
51	MOI 0202014-10 Reamer Head 13.0	
52	MOI 0202014-11 Reamer Head 13.5	
53	MOI 0202014-12 Reamer Head 14.0	
54	MOI 0202006 Pointed Awl, Cannulated	
55	MOI 0202004 Protection Sleeve 14.3	
56	MOI 0403028 Quick Coupling T-Handle	
57	MOI 0202005 Tissue Protector	
58	MOI 0202011 Wire Gripper	
59	MOI 0202010 Intramedullary Reduction Tool, curved	
60	MOI 0202007 Radiographic Ruler	
61	MOI 0202013 Flexible Reamer Shaft	
62	MOI 0202002 Guide Wire 3.2X500	
63	MOI 0202012 Ball Tip Guide Wire 2.5X1000	
68	MOI 0202001 Wire Guide Sleeve 3.2/14.3	

REF	DESCRIPTION	UNITS
MOI 0202100	MAKALU™ Expert Femur Nail Complete Instrument Set	1