



Trochanter Nail System

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Implants & Instruments

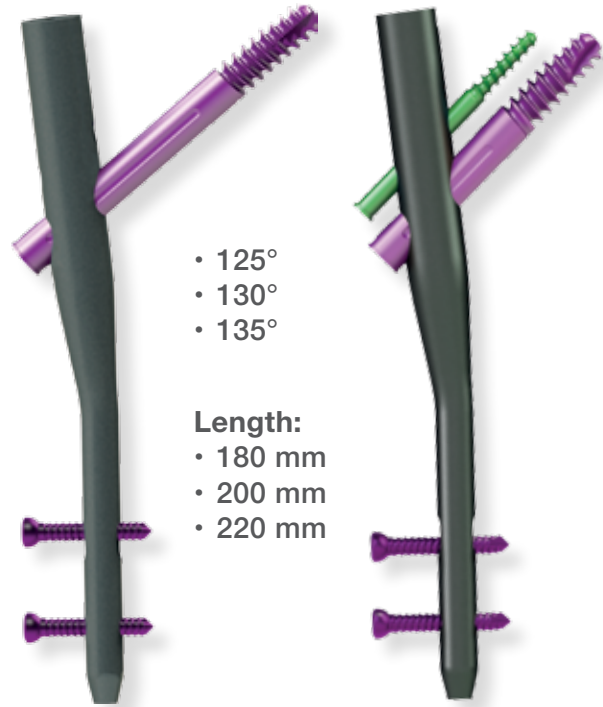
Version 2.0

AFTron

AF
MEDICAL



Proximal Ø 16 mm



- 125°
- 130°
- 135°

- Length:**
- 180 mm
 - 200 mm
 - 220 mm

Head Quarter

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AFTron – AF Trochanter Nailing System

The AFTron Trochanter Nail is designed for indications involving the treatment of unstable subtrochanteric, per-trochanteric and intertrochanteric fractures. For shaft fractures in combination with trochanteric fractures the long version of AFTron nails is available. The nail is combining many of the features of a dynamic hip screw system and an intramedullary nail. Three different neck-shaft angles are available for lag screw insertion to accommodate various femoral neck anatomy. AFTron nail provides the surgeon the choice of using the lag screw in combination with the compression screw or to insert the lag screw in conjunction with the anti-rotation screw.

The load of the femoral head is transferred from the lag screw into the nail shaft in order to allow fast fracture healing. The lag screws is grooved to allow the set screw to fit into the same and to allow sliding of the lag screw to the lateral side of the fracture for dynamic bone compression. The set screw also avoid rotation and medial migration of the lag screw. In appropriate cases a 5.5 anti-rotation screw can be used in combination with the lag screw.

Distal locking screws with 5.0 diameter with a self-tapping tip facilitates easier and faster insertion. The distal locking screw is provided to stabilization of the nail in the medullary canal and to reduce rotations of fractures. They can be inserted in oblong holes either for static or dynamic locking.



Technical features

- 3 proximal nail angles: 125°, 130°, 135°
- Proximal diameter Ø 16 mm
- nails with bending for valgus curvature
- nail diameters 10 to 12 mm
- distal oblong hole for dynamic locking
- screw plugs up to 10 mm
- 10.5 mm lag screws, self-tapping tip
- 5.5 anti-rotation screw, self-tapping
- cannulated lag screw
- 5.0 mm distal locking screws, self-tapping, fully threaded

AFTron trochanteric nail, cannulated



Proximal Ø	16 mm
Distal Ø	10, 11, 12 mm
Length	180, 200, 220 mm
Angle °	125°, 130°, 135°
Cannulation Ø	4 mm

		STEEL	TITANIUM	STEEL	TITANIUM	STEEL	TITANIUM
CANNULATED		125°	125°	130°	130°	135°	135°
Diameter	Length	Code-No	Code-No	Code-No	Code-No	Code-No	Code-No
ø 10	180 mm	92-1298	920-1298	92-1398	920-1398	92-1498	920-1498
ø 10	200 mm	92-1300	920-1300	92-1400	920-1400	92-1500	920-1500
ø 10	220 mm	92-1302	920-1302	92-1402	920-1402	92-1502	920-1502
ø 11	180 mm	92-1318	920-1318	92-1418	920-1418	92-1518	920-1518
ø 11	200 mm	92-1320	920-1320	92-1420	920-1420	92-1520	920-1520
ø 11	220 mm	92-1322	920-1322	92-1422	920-1422	92-1522	920-1522
ø 12	180 mm	92-1338	920-1338	92-1438	920-1438	92-1538	920-1538
ø 12	200 mm	92-1340	920-1340	92-1440	920-1440	92-1540	920-1540
ø 12	220 mm	92-1342	920-1342	92-1442	920-1442	92-1542	920-1542

Interlocking screw, self-tapping

Screw \varnothing	5.0 mm
Head \varnothing	8.0 mm
Hexagonal socket	3.5 mm
Core \varnothing	4.0 mm
Pitch	1.25 mm



STEEL	TITANIUM	
Code-No	Code-No	Length
95-2426	950-2426	26 mm
95-2428	950-2428	28 mm
95-2430	950-2430	30 mm
95-2432	950-2432	32 mm
95-2434	950-2434	34 mm
95-2436	950-2436	36 mm
95-2438	950-2438	38 mm
95-2440	950-2440	40 mm
95-2442	950-2442	42 mm
95-2444	950-2444	44 mm
95-2446	950-2446	46 mm
95-2448	950-2448	48 mm
95-2450	950-2450	50 mm
95-2452	950-2452	52 mm
95-2454	950-2454	54 mm
95-2456	950-2456	56 mm
95-2458	950-2458	58 mm
95-2460	950-2460	60 mm
95-2465	950-2465	65 mm
95-2470	950-2470	70 mm
95-2475	950-2475	75 mm
95-2480	950-2480	80 mm
95-2485	950-2485	85 mm
95-2490	950-2490	90 mm
95-2495	950-2495	95 mm
95-2500	950-2500	100 mm

End cap

Hexagonal socket \varnothing	3.5 mm
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STEEL	TITANIUM	
Code-No	Code-No	Length
95-1170	950-1170	0 mm
95-1174	950-1174	5 mm
95-1176	950-1176	10 mm

Lag screw, cannulated, self-tapping

Screw ø	10.5 mm
Cannulation ø	2.5 mm
Core Ø	6.5 mm



STEEL	TITANIUM	
Code-No	Code-No	Length
95-1100	950-1100	70 mm
95-1102	950-1102	75 mm
95-1104	950-1104	80 mm
95-1106	950-1106	85 mm
95-1108	950-1108	90 mm
95-1110	950-1110	95 mm
95-1112	950-1112	100 mm
95-1114	950-1114	105 mm
95-1116	950-1116	110 mm
95-1118	950-1118	115 mm
95-1120	950-1120	120 mm

Set screw

Hexagonal socket	3.5 mm
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STEEL	TITANIUM
Code-No	Code-No
95-1200	950-1200

Note

The set screw is only required in cases when the anti-rotation screw is not inserted in the trochanter nail. In such a case that compression screw is used in combination with the lag screw.

Anti-rotation screw, self-tapping

Screw ø	5.5 mm
Hexagonal socket	3.5 mm
Core Ø	3.0 mm



STEEL	TITANIUM	
Code-No	Code-No	Length
95-1130	950-1130	55 mm
95-1132	950-1132	60 mm
95-1134	950-1134	65 mm
95-1136	950-1136	70 mm
95-1138	950-1138	75 mm
95-1140	950-1140	80 mm
95-1142	950-1142	85 mm
95-1144	950-1144	90 mm
95-1146	950-1146	95 mm
95-1148	950-1148	100 mm
95-1150	950-1150	105 mm
95-1152	950-1152	110 mm
95-1154	950-1154	115 mm
95-1156	950-1156	120 mm

Instrument set for TroN nails

Code-No	Description	Remarks	Qty.
90-2050	Guide arm trochanter nail		1
90-2052	Proximal targeting part 125°		1
90-2054	Proximal targeting part 130°		1
90-2056	Proximal targeting part 135°		1
90-2070	Fixing screw for 90-2052/54/56		1
90-2072	Connection bolt for guide arm 90-0250		1
90-2074	Connection bolt for impaction rod		1
90-2076	Impaction rod		1
90-2078	T-wrench, hexagonal 8.0mm		1
90-1270	Wrench 11.0 mm		1
90-2270	Wrench 14.0 mm		1
90-1280	Slotted mallet		1
90-1150	Awl cannulated		1
90-1240	Nail length gauge, X-ray		1
90-2242	Nail diameter ruler, X-ray		1
90-1290	Guide wire device		1
5-0110	Guide wire, threaded, ø 2,5 mm, 380 mm		5
90-2080	Drill sleeve ø 3.5 mm		1
90-2100	Protection sleeve ø 9.5 / 7.0 mm		1
90-2082	Drill sleeve ø 8.5 / 6.5 mm		1
90-2110	Wire guide sleeve ø 6.5 / 2.5 mm		1
90-2084	Drill sleeve ø 13.0 / 11.0 mm		1
90-2112	Wire guide sleeve ø 11.0 / 2.5 mm		1
90-2160	Drill bit ø 3.5 x 150 mm		2
90-2162	Drill bit ø 3.5 x 300 mm		2
90-2164	Drill bit ø 6.5 x 350 mm, cannulated		2
90-2170	Drill with stop, ø 11.0/390 mm, cannulated		1
90-2200	Screw driver hex. Ø 3.5 mm		1
90-2202	Screw driver hex. Ø 4.0 mm, cannulated		1
90-2210	Wrench for ø 11.0 lag screws, cann.		1
90-2212	Coupling bolt for lag screws, cann		1
90-2230	Depth gauge for 5.0 locking screws		1
90-2232	Depth gauge for 6.5 / 11.0 mm screws		1
90-1260	Distal aiming device with handle	Required for long TroN nails	1
90-1090	Drill sleeve ø 3.5 mm, short	Required for long TroN nails	1
90-1134	Trocar short, ø 7.0 mm	Required for long TroN nails	1



Target arm trochanter nail



90-2050

Proximal targeting arm



Code-No	Angle
90-2052	125°
90-2054	130°
90-2056	135°

Fixing screw for 90-2052/54/56



90-2070

Connection bolt for guide arm 90-0250



90-2072

Connection bolt for impaction rod



90-2074

Extraction bolt



90-2075

Impactor / extractor rod



90-2076

T-wrench, hexagonal 8.0mm



90-2078

Wrench



Code-No	Size mm
90-1270	11.0
90-2270	14.0

Slotted mallet



90-1280

Awl cannulated



90-1150

Nail length gauge, X-ray



90-1240

Nail diameter ruler, X-ray



90-2242

Guide wire, threaded


Code-No	Ø mm	Length, mm
5-0110	2.5	380

Drill sleeve ø 4.0 mm


Code-No	Ø mm
90-1082	4.0

Protection sleeve ø 9.5 / 8.0 mm


Code-No	Ø mm
90-1100	9.5 / 8.0

Drill sleeve ø 8.5 / 6.5 mm


Code-No	Ø mm
90-2082	8.5 / 6.5

Drill sleeve ø 13.0 / 11.0 mm


Code-No	Ø mm
90-2084	13.0 / 11.0

Wire guide sleeve ø 11.0 / 2.5 mm


Code-No	Ø mm
90-2112	11.0 / 2.5

Drill bit ø 4.0 x 305 mm


Code-No	Ø mm	Length, mm
90-1182	4.0	305

Drill bit


Code-No	Ø mm	Length, mm	Remarks
90-2164	6.5	350	for anti-rotat. screw

Drill with stop, ø 11.0/390 mm, cannulated


Code-No	Ø mm	Length	Remarks
90-2170	11.0	390 mm	cannulated

Drill bit ø 4.0 x 150 mm


Code-No	Ø mm	Length, mm	Remarks
90-1162	4.0	150	for distal locking

Screw driver hex. Ø 3.5 mm



Code-No Ø mm

90-2200 3.5

Wrench for ø 11.0 lag screws, cann.



90-2210

Coupling bolt for lag screws, cann



90-2212

Depth gauge for 5.0 locking screws



90-2230

Depth gauge for K-wire 2.5 mm



90-2232

Depth gauge for distal locking



90-1230



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