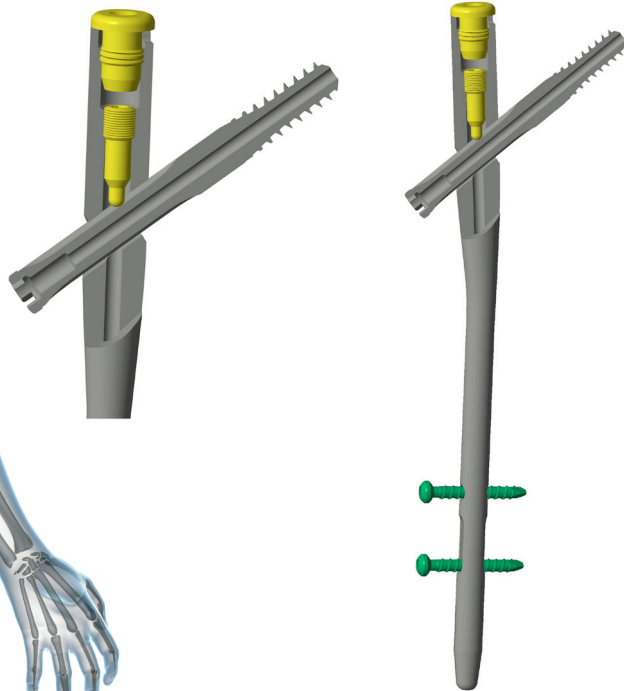
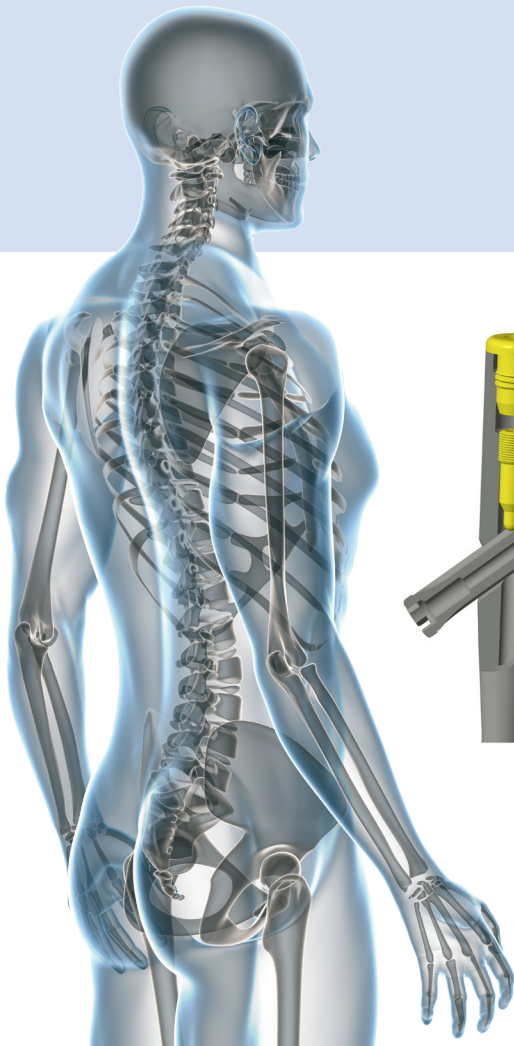


ORLOS Y
Ortho-Medical „Y“ - Trochanteric Light Nail System



**ORLOS „Y“ - TROCHANTERIC
LIGHT NAIL**



Ortho-Medical „Y“ – Trochanteric Light Nail System

TABLE OF CONTENTS

PAGE 3	GENERAL INFORMATION ORLOS „Y“ – TROCHANTERIC LIGHT NAIL
PAGE 4	SYSTEM OF ORLOS „Y“ – TROCHANTERIC LIGHT NAIL IMPLANT DESCRIPTION
PAGE 5	ORLOS „Y“ – TROCHANTERIC NAIL IMPLANTS
PAGE 6	ORLOS „Y“ DYNAMIC SCREW; FIXING SCREW, END CUP AND DISTAL LOCKING SCREW IMPLANTS
PAGE 7 UP TO PAGE 12	SURGICAL INSTRUMENTS FOR ORLOS „Y“ – TROCHANTERIC LIGHT NAILS
PAGE 13 UP TO PAGE 20	SURGICAL TECHNIQUE FOR ORLOS „Y“ – TROCHANTERIC LIGHT NAIL SYSTEM

GENERAL INFORMATION ORLOS „Y“ NAIL

Before using the product

Before every use you should carefully check the operability of the implants and the operating instruments. They should be free of damages. If there are any cracks, fractures, discolouration, deformation or any damages on the implants, which may be due to unsuitable storing, imperfect sterilization or preliminary inefficient treatment, the use of the implant is prohibited. The assembly, perfect fitting and operation of the implants and all the necessary instruments should be tested. Perfect fitting and operation, appropriate dimensions and positions should be checked in all cases.

Requirements towards the user

The set of tools and implants can only be applied by doctors with appropriate qualifications and special information and experience in the field of using implants. The doctor who performs the operation is responsible for choosing the correct indication, the type of the implants and the operation technology.

Contraindication

Implantation is not recommended if the patient's health condition makes it difficult to accept it or problems are expected during the recovery process e.g. decreased circulation, weak quality or quantity bone system, impossibility of rehabilitation due to the mental condition of the patient etc.

General warnings

Before the operation the patient should be informed about the possible disadvantages of the implant. By choosing the appropriate implant the type of the bone fracture, the weight and activity of the patient should be taken into consideration. The solidity of the implant is restricted, so it is necessary to avoid overloading it by overweight. The biomechanical loading of the implant should be minimized, as much as possible.

During the application of the implant the process of recovering is to be controlled. By repetitive loading or by protracted bone recovering the implants may be deformed, dislocated. This needs intervention in time. Repeated deformation of the implant should be avoided. The implants are only for one-time use, a re-implantation is prohibited. The type and the size of the implants should be defined according to the specific case. Before operation the user's manual of the implants should be studied carefully.

Applied materials

The applied materials are made of best quality, specially developed for medical implants with high, solidity, made of titanium alloys.

Caution: Combined use of products from other manufacturers are prohibited and may start damaging processes, which **ORTHOMEDICAL** can't take the responsibility for. Protection of the product, packaging, preparation for the use of implants without any production pollution for packaging will be preserved.

The storage should be in a clean and dry environment, avoiding extrem temperature and chemicals are recommended.

Sterilisation

Before use unpack the implant and sterilize due to the prescriptions. Avoid the touch by bare hand. The sterilisation of the instruments should be done together with the tray. The instructions of the producers should always be considered.

Interaction with medicines

An interaction of the implants with medicines is not known.

SYSTEM OF ORLOS „Y“ TROCHANTERIC LIGHT NAIL IMPLANT DESCRIPTION



ORLOS "Y" - trochanteric light, short nails with proximal diameter 15,5 mm, cannulated, with distal diameter 9 , 10 and 11 mm, with CCD angle 125°, 130° or 135°, length from 180 to 240 mm, titanium alloy

Dynamic screw: Thread diameter 10,5 mm, core diameter 7 mm, pitch 3 mm, titanium alloy

Locking screw: diameter 4,9 mm available in length 20mm up to 100mm, titanium alloy

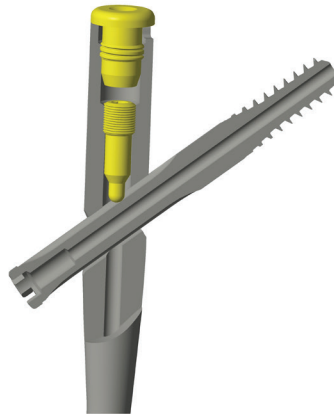
End cup: titanium alloy

Fixing screw: titanium alloy

ORLOS „Y“ trochanteric light, left & right nails with proximal diameter 15,5 mm, cannulated and available with distal diameter dia.9 and 10 mm, with CCD angle 125°, 130° or 135°, available in length from 340 to 420 mm, titanium alloy

CCD = CENTRUM - COLLUM - DYAPHYSES ANGLE !

Grooved design at the 240 mm long nail for the prevention of cortical bone erosion



Aiming assistance for increased implantation accuracy



Plate box and dismountable part for easy cleaning

ORLOS „Y“ – TROCHANTERIC NAIL IMPLANTS

ORLOS „Y“ TROCHANTERIC LIGHT NAILS , SHORT, CANNULATED, PROXIMAL DIAMETER 15,5 MM CATALOGUE NUMBER (REF.)

Ø (mm)	L (MM)	short / α 125° titanium alloy	short / α 130° titanium alloy	short / α 135° titanium alloy
9	180	NA-34551-09180	NA-34511-09180	NA-34531-09180
9	200	NA-34551-09200	NA-34511-09200	NA-34531-09200
9	220	NA-34551-09220	NA-34511-09220	NA-34531-09220
9	240	NA-34551-09240	NA-34511-09240	NA-34531-09240
10	180	NA-34551-10180	NA-34511-10180	NA-34531-10180
10	200	NA-34551-10200	NA-34511-10200	NA-34531-10200
10	220	NA-34551-10220	NA-34511-10220	NA-34531-10220
10	240	NA-34551-10240	NA-34511-10240	NA-34531-10240
11	180	NA-34551-11180	NA-34511-11180	NA-34531-11180
11	200	NA-34551-11200	NA-34511-11200	NA-34531-11200
11	220	NA-34551-11220	NA-34511-11220	NA-34531-11220
11	240	NA-34551-11240	NA-34511-11240	NA-34531-11240



ORLOS „Y“ TROCHANTERIC LIGHT, LONG, LEFT & RIGHT NAILS, CANNULATED, PROXIMAL DIAMETER 15,5 MM CATALOGUE NUMBER (REF.)

Ø (mm)	L (MM)	long, right / α 125° titanium alloy	long, right / α 130° titanium alloy	long, right / α 135° titanium alloy
9	340	NA-34615-34125	NA-34615-34130	NA-34615-34135
9	360	NA-34615-36125	NA-34615-36130	NA-34615-36135
9	380	NA-34615-38125	NA-34615-38130	NA-34615-38135
9	400	NA-34615-40125	NA-34615-40130	NA-34615-40135
9	420	NA-34615-42125	NA-34615-42130	NA-34615-42135
10	340	NA-34614-34125	NA-34614-34130	NA-34614-34135
10	360	NA-34614-36125	NA-34614-36130	NA-34614-36135
10	380	NA-34614-38125	NA-34614-38130	NA-34614-38135
10	400	NA-34614-40125	NA-34614-40130	NA-34614-40135
10	420	NA-34614-42125	NA-34614-42130	NA-34614-42135



Ø (mm)	L (MM)	long, left / α 125° titanium alloy	long, left / α 130° titanium alloy	long, left / α 135° titanium alloy
9	340	NA-34605-34125	NA-34605-34130	NA-34605-34135
9	360	NA-34605-36125	NA-34605-36130	NA-34605-36135
9	380	NA-34605-38125	NA-34605-38130	NA-34605-38135
9	400	NA-34605-40125	NA-34605-40130	NA-34605-40135
9	420	NA-34605-42125	NA-34605-42130	NA-34605-42135
10	340	NA-34604-34125	NA-34604-34130	NA-34604-34135
10	360	NA-34604-36125	NA-34604-36130	NA-34604-36135
10	380	NA-34604-38125	NA-34604-38130	NA-34604-38135
10	400	NA-34604-40125	NA-34604-40130	NA-34604-40135
10	420	NA-34604-42125	NA-34604-42130	NA-34604-42135

ORLOS „Y“ DYNAMIC SCREW, FIXING SCREW, END CUP AND DISTAL LOCKING SCREW IMPLANTS

Thread diameter: 10,5 mm Core diameter: 7,0 mm Pitch: 3,0 mm

CATALOGUE NUMBER (REF.)			
L (MM)	titanium alloy	L (MM)	titanium alloy
75	LS-32721-11075	110	LS-32721-11110
80	LS-32721-11080	115	LS-32721-11115
85	LS-32721-11085	120	LS-32721-11120
90	LS-32721-11090	125	LS-32721-11125
95	LS-32721-11095	130	LS-32721-11130
100	LS-32721-11100	135	LS-32721-11135
105	LS-32721-11105	140	LS-32721-11140



FIXING SCREW FOR ORLOS "Y"- TROCHANTERIC LIGHT NAILS

CATALOGUE NUMBER (REF.)
titanium alloy
LS-32401-08025



END CUP FOR ORLOS "Y"- TROCHANTERIC LIGHT NAILS

CATALOGUE NUMBER (REF.)
titanium alloy
LS-32400-15022 STANDARD SIZE (HIGH)
LS-32400-15023 SIZE 5.0mm (Extension)
LS-32400-15024 SIZE 10.0mm (Extension)
LS-32400-15025 SIZE 15.0mm (Extension)



DISTAL LOCKING SCREW FOR ORLOS "Y"- TROCHANTERIC LIGHT NAILS

Thread diameter: 4,9 mm Core diameter: 4,2 mm Pitch: 2,75 mm
Head diameter: 8,0 mm Hex width: 3,5 mm



CATALOGUE NUMBER (REF.)					
L (MM)	titanium alloy	L (MM)	titanium alloy	L (MM)	titanium alloy
20	LS-32200-49020	42	LS-32200-49042	64	LS-32200-49064
22	LS-32200-49022	44	LS-32200-49044	65	LS-32200-49065
24	LS-32200-49024	45	LS-32200-49045	66	LS-32200-49066
25	LS-32200-49025	46	LS-32200-49046	68	LS-32200-49068
26	LS-32200-49026	48	LS-32200-49048	70	LS- 32200-49070
28	LS-32200-49028	50	LS-32200-49050	72	LS-32200-49072
30	LS-32200-49030	52	LS-32200-49052	75	LS-32200-49075
32	LS-32200-49032	54	LS-32200-49054	76	LS-32200-49076
34	LS-32200-49034	55	LS-32200-49055	78	LS-32200-49078
35	LS-32200-49035	56	LS-32200-49056	80	LS-32200-49080
36	LS-32200-49036	58	LS-32200-49058	85	LS-32200-49085
38	LS-32200-49038	60	LS-32200-49060	90	LS-32200-49090
40	LS-32200-49040	62	LS-32200-49062	100	LS-32200-49100

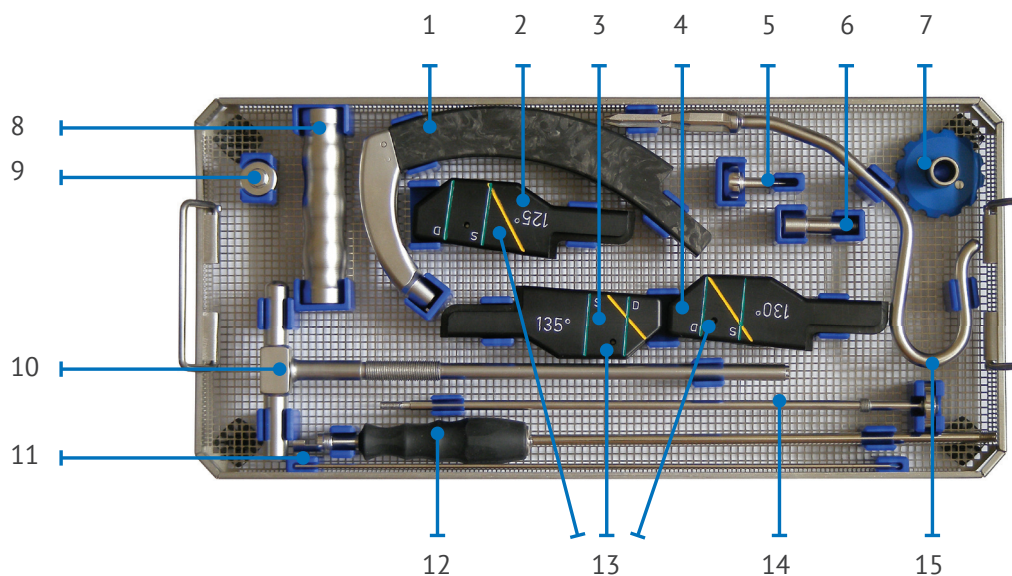
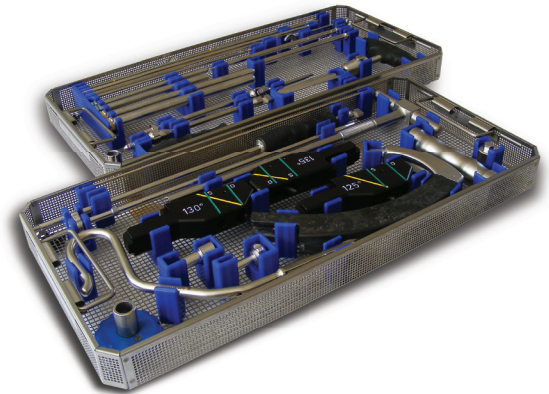
SURGICAL INSTRUMENTS FOR ORLOS „Y“TROCHANTERIC LIGHT NAILS

SURGICAL SET

Two trays for „Y“-trochanteric light nailing instrument set, complete with instruments: cat.no. SET-94501-10000

TRAY I. _ORLOS "Y"TROCHANTERIC LIGHT

TRAY-94501-10000



POS.	CAT.NO.	DESCRIPTION	PCS
1	INS-94501-00100	Targeting arm, radiolucent	1
2	INS-94501-03000	Aiming arm attachment, 125°	1
3	INS-94501-00301	Aiming arm attachment, 135°	1
4	INS-94501-00201	Aiming arm attachment, 130°	1
5	INS-94500-00400	Aiming arm fixing screw	1
6	INS-94501-00500	Nail adapter screw	1
7	INS-94500-00800	Compressing device	1
8	INS-94500-01100	Slide hammer	1
9	INS-94500-02501	Hammer guide head	1
10	INS-94500-00600	T wrench	1
11	INS-15000-35400	Kirschner wire, 3,5 x 400 mm	1
12	INS-94500-01000	Hammer guide shaft	1
13	INS-94500-00203	Aiming arm clamp screw	3
14	INS-94650-00700	Threaded stem for dynamic screw	1
15	INS-94501-00900	Hollow reamer Ø 15,5 mm	1

SURGICAL INSTRUMENTS FOR ORLOS „Y“ TROCHANTERIC LIGHT NAILS



POS.	CAT.NO.	DESCRIPTION	PCS
1	INS-94501-00100	Proximal targeting arm, radiolucent	1



POS.	CAT.NO.	DESCRIPTION	PCS
2	INS-94501-03000	Aiming arm attachment, 125°	1



POS.	CAT.NO.	DESCRIPTION	PCS
3	INS-94501-00301	Aiming arm attachment, 135°	1



POS.	CAT.NO.	DESCRIPTION	PCS
4	INS-94501-00201	Aiming arm attachment, 130°	1



POS.	CAT.NO.	DESCRIPTION	PCS
5	INS-94500-00400	Aiming arm fixing screw	1



POS.	CAT.NO.	DESCRIPTION	PCS
6	INS-94501-00500	Nail adapter screw	1



POS.	CAT.NO.	DESCRIPTION	PCS
7	INS-94500-00800	Compressing device	1



POS.	CAT.NO.	DESCRIPTION	PCS
8	INS-94500-01100	Slide hammer	1

SURGICAL INSTRUMENTS FOR ORLOS „Y“ TROCHANTERIC LIGHT NAILS



POS.	CAT.NO.	DESCRIPTION	PCS
9	INS-94500-02501	Hammer guide head	1



POS.	CAT.NO.	DESCRIPTION	PCS
10	INS-94500-00600	T wrench	1



POS.	CAT.NO.	DESCRIPTION	PCS
11	INS-15000-35400	Kirschner wire, 3,5 x 400 mm	1



POS.	CAT.NO.	DESCRIPTION	PCS
12	INS-94500-01000	Hammer guide shaft	1



POS.	CAT.NO.	DESCRIPTION	PCS
13	INS-94500-00203	Aiming arm clamp screw	1



POS.	CAT.NO.	DESCRIPTION	PCS
14	INS-94650-00700	Threaded stem for dynamic screw	1

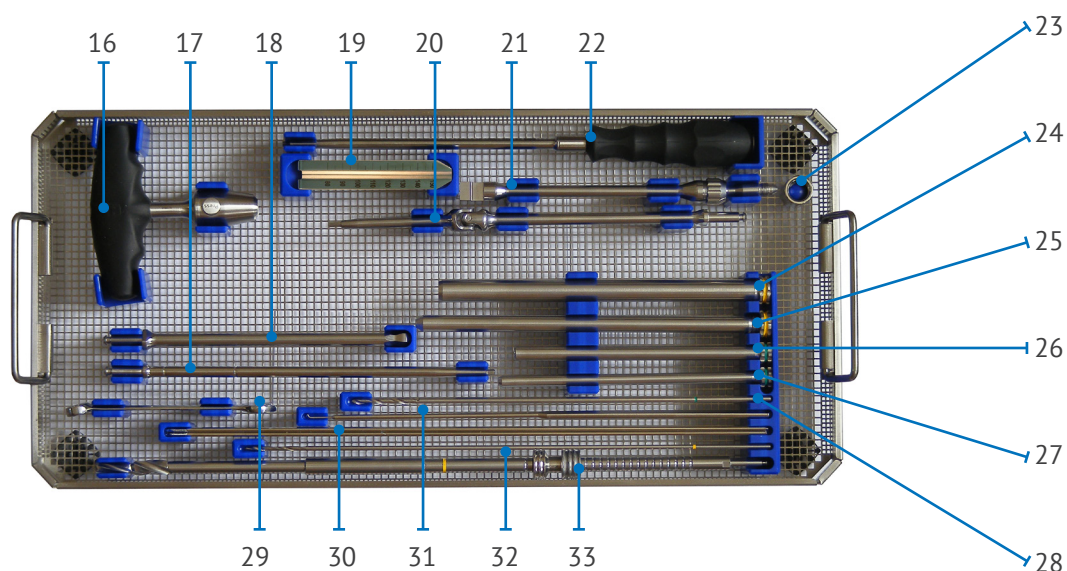


POS.	CAT.NO.	DESCRIPTION	PCS
15	INS-94501-00900	Hollow reamer Ø 15,5 mm	1

SURGICAL INSTRUMENTS FOR ORLOS „Y“-TROCHANTERIC LIGHT NAILS

TRAY II_ ORLOS „Y“-TROCHANTERIC LIGHT

Cat. no. TRAY-94501-20000



POS.	CAT.NO.	DESCRIPTION	PCS
16	INS-99000-00006	Universal chuck with T-handle, cannulated	1
17	INS-94500-02600	Hexagonal screwdriver with quick coupling, 3,5 mm	1
18	INS-94500-02200	Hexagonal spherical screwdriver shaft, 10 mm	1
19	INS-94500-01700	Gauge for dynamic screw	1
20	INS-94501-02300	Cardan screwdriver with quick coupling, 3,5 mm	1
21	INS-94501-02400	Cardan rod for removal device	1
22	INS-94500-02100	Hexagonal screwdriver, 3,5 mm	1
23	INS-94500-01004	Fixation sleeve for removal device	1
24	INS-94501-01200	Soft tissue protector for dynamic screw, (yellow)	1
25	INS-94501-01300	Drill sleeve for guide wire, (yellow)	1
26	INS-94500-01800	Soft tissue protector for locking screw, (green)	1
27	INS-94500-01900	Drill sleeve for locking drill, (green)	1
28	INS-99010-40310	Spiral drill, 4 x 310 mm, (green)	1
29	INS-99000-00004	Wrench, 12 mm	1
30	INS-15020-30400	Threaded Kirschner guide wire, 3 x 400 mm	4
31	INS-94500-02000	Depth gauge for locking screw	1
32	INS-99010-32350	Spiral drill, 3,2 x 350mm, (yellow)	1
33	INS-94501-01400	Reamer for dynamic screw, (yellow)	1

SURGICAL INSTRUMENTS FOR ORLOS „Y“ TROCHANTERIC LIGHT NAILS



POS.	CAT.NO.	DESCRIPTION	PCS
16	INS-99000-00006	Universal chuck with T- handle, cannulated	1



POS.	CAT.NO.	DESCRIPTION	PCS
17	INS-94500-02600	Hexagonal screwdriver with quick coupling, 3,5 mm	1



POS.	CAT.NO.	DESCRIPTION	PCS
18	INS-94500-02200	Hexagonal spherical screwdriver shaft, 10 mm	1



POS.	CAT.NO.	DESCRIPTION	PCS
19	INS-94500-01700	Gauge for dynamic screw	1



POS.	CAT.NO.	DESCRIPTION	PCS
20	INS-94501-02300	Cardan screwdriver with quick coupling, 3,5 mm	1



POS.	CAT.NO.	DESCRIPTION	PCS
21	INS-94501-02400	Cardan rod for removal device	1



POS.	CAT.NO.	DESCRIPTION	PCS
22	INS-94500-02100	Hexagonal screwdriver, 3,5 mm	1



POS.	CAT.NO.	DESCRIPTION	PCS
23	INS-94500-01004	Fixation sleeve for removal device	1



POS.	CAT.NO.	DESCRIPTION	PCS
24	INS-94501-01200	Soft tissue protector for dynamic screw, (yellow)	1

SURGICAL INSTRUMENTS FOR ORLOS „Y“ TROCHANTERIC LIGHT NAILS



POS.	CAT.NO.	DESCRIPTION	PCS
25	INS-94501-01300	Drill sleeve for guide wire, (yellow)	1



POS.	CAT.NO.	DESCRIPTION	PCS
26	INS-94500-01800	Soft tissue protector for locking screw, (green)	1



POS.	CAT.NO.	DESCRIPTION	PCS
27	INS-94500-01900	Drill sleeve for locking drill, (green)	1



POS.	CAT.NO.	DESCRIPTION	PCS
28	INS-99010-40310	Spiral drill, 4 x 310 mm, (green)	1



POS.	CAT.NO.	DESCRIPTION	PCS
29	INS-99000-00004	Wrench, 12 mm	1



POS.	CAT.NO.	DESCRIPTION	PCS
30	INS-15020-30400	Threaded Kirschner guide wire, 3 x 400 mm	4



POS.	CAT.NO.	DESCRIPTION	PCS
31	INS-94500-02000	Depth gauge for locking screw	1



POS.	CAT.NO.	DESCRIPTION	PCS
32	INS-99010-32350	Spiral drill, 3,2 x 350mm, (yellow)	1



POS.	CAT.NO.	DESCRIPTION	PCS
33	INS-94501-01400	Reamer for dynamic screw, (yellow)	1

SURGICAL TECHNIQUE FOR ORLOS „Y“ TROCHANTERIC LIGHT NAIL SYSTEM



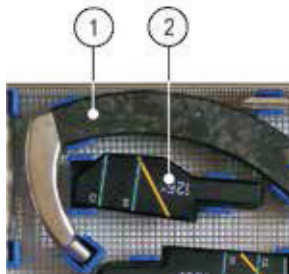
1. PREOPERATIVE PLANNING

Preoperative X-ray of the uninjured distal femur is used to estimate proper nail diameter, nail length, and CCD- angle (central-collum-dia-physeal angle).



Fluoroscopic control is advised.

The image intensifier must be in a standard position for ap and lateral view.



Numbers in brackets after instrument names refer to the list number in the instrument tray.

! Pay special attention, important step.



2. ASSEMBLING OF THE INSTRUMENTS

Attach the intramedullary nail to the radiolucent aiming arm (1) with the nail adapter screw (6). Secure the nail with the 10 mm hexagonal screwdriver (16, 18). Depending on the CCD angle of the implant (125°/130°/135°) mount the correct aiming arm attachment (2, 3, 4) with the aiming arm fixing screw (5).

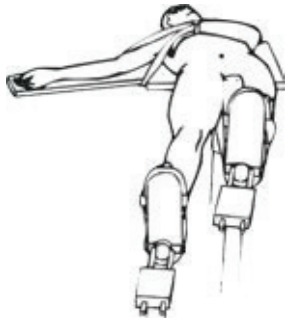
! Drive the fixing screw into the nail, but the tip of the screw should not hinder the rotation of the dynamic screw



3. Put into the dynamic screw hole the yellow soft tissue protector (24) and reamer (33).

Put into the distal hole the green soft tissue protector (26), drill sleeve (27) and 4 mm spiral drill (28).

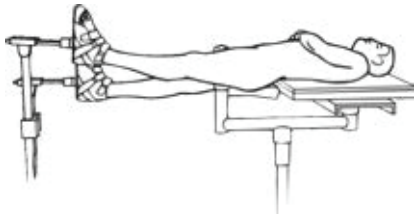
SURGICAL TECHNIQUE FOR ORLOS „Y“TROCHANTERIC LIGHT NAIL SYSTEM



4. POSITIONING OF THE PATIENT AND REPOSITION

With the patient supine, abduct the unaffected limb while adducting the trunk and the affected extremity and flex the affected hip 15°.

Apply traction with a foot holder, and rotate the foot to obtain correct rotational alignment.



5. SKIN INCISION

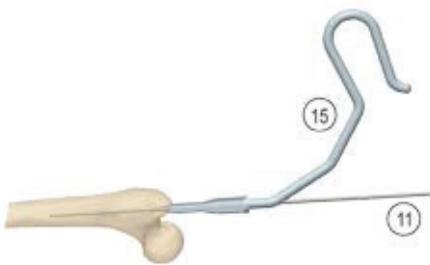
Make an approx. 5 cm long skin incision proximal to the greater trochanter. Incise the fascia of the gluteus maximus, identify the subfascial plane, and palpate the trochanteric fossa.



6. DETERMINING OF THE ENTRY

With a 3,5x400 mm threaded Kirschner wire (11.) find the trochanteric fossa. The tip of the pin should be in the midplane of the femur in both anteroposterior and lateral views.

Under fluoroscopic control insert the Kirschner wire into the medullary canal.



7. OPENING OF THE FEMUR

Insert the cannulated 15,5 mm Hollow reamer (15) over the Kirschner wire to enlarge the entry portal. Ream the proximal femur until the reamer sink into it.

SURGICAL TECHNIQUE FOR ORLOS „Y“TROCHANTERIC LIGHT NAIL SYSTEM

8. INSERTING OF THE NAIL



If solid nail is used, remove the Kirschner wire, if cannulated, it should be inserted over the wire.

Insert the nail carefully by hand until the axis of the dynamic screw hole reaches the center of the femoral neck.

If resistance is encountered, stop and withdraw the implant, and push it with slight twisting, or use a smaller diameter.

! Never hit the aiming arm. In difficult cases you may use the extraction device to support insertion.



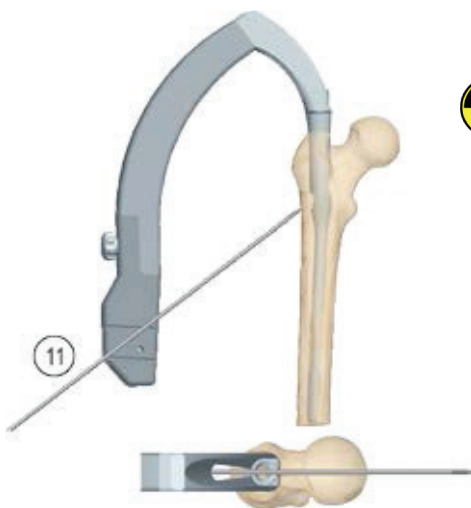
9. X-RAY EVALUATION



Put a Kirschner wire (11) into the proximal hole of the aiming arm.

Its shadow in lateral view should be in the center of the femoral neck.

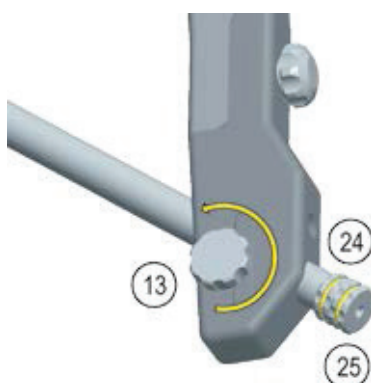
The lateral groove of the aiming arm is parallel to the dynamic head screw.



10. SKIN INCISION AT DYNAMIC SCREW

Put the yellow soft tissue protector (24) and drill sleeve (25) into the aiming arm, incise the skin and fascia and push the drill sleeves to the bone.

With the clamp screw on the aiming arm (13) fix the position.



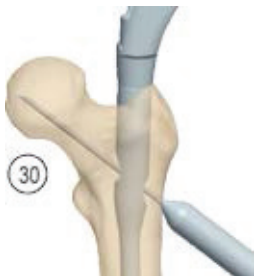
SURGICAL TECHNIQUE FOR ORLOS „Y“ TROCHANTERIC LIGHT NAIL SYSTEM



11. PRE - DRILLING FOR THE GUIDE WIRE

Drill through the cortical bone with the yellow 3.2 mm spiral drill (33).

! The threaded Kirschner wire may damage or bend by the cortical bone, therefore is important to rough - drill with a recommended spiral or twist drill dia. max. 3.2 mm.

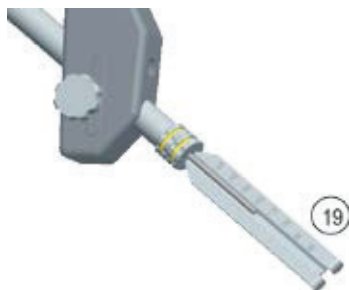


12. INSERTION OF THE GUIDE WIRE

Insert the 3×400 mm threaded Kirschner guide wire (30) into the femoral head to a level approximately 5 mm below the subchondral bone.



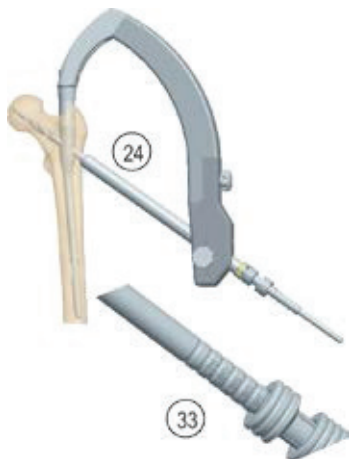
Confirm the position of the guide wire within the head with a-p and lateral views.



13. LENGTH MEASUREMENT

Measure the length of the dynamic screw on the guide wire with the gauge (19).

! Verify that drill sleeves are against bone. After the determination of the length of screw - while keeping the wire - remove the drill sleeve (25).

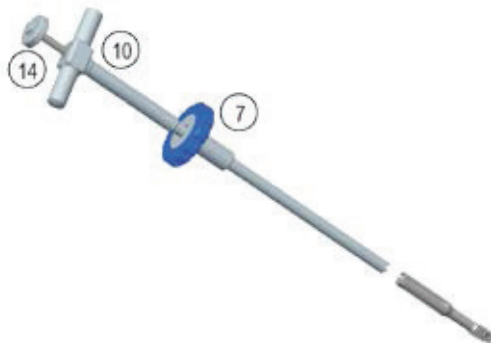


14. DRILLING FOR THE DYNAMIC SCREW

Align the length's buffer to the right position, which is placed on the drill for the dynamic screw (33).

Drill through the soft tissue protector till buffer (24).

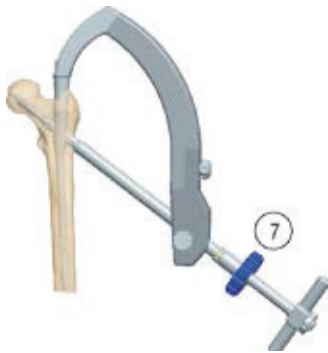
SURGICAL TECHNIQUE FOR ORLOS „Y“TROCHANTERIC LIGHT NAIL SYSTEM



15. ASSEMBLING WRENCH FOR DYNAMIC SCREW

Drive the threaded stem (14) through the T wrench (10) from above, drive the compressing device (7) from below.

Set the dynamic screw with the threaded stem.



16. INSERTING OF THE DYNAMIC SCREW



Insert the dynamic screw over the guide wire. The tip of the screw should be approximately 5 mm before the tip of the guide wire.

The compressing device (7.) may be used to compress the fracture.



17. ROTATIONAL STABILIZATION

Use the cardan screwdriver (20) with the T - handle (16)to tighten the fixing screw in the nail. The tip of the fixing screw should be in a groove of the dynamic screw to prevent its rotation.

! Unscrew the fixing screw by a quarter turning in order to dynamize the fixation.

Remark:

The „T-wrench“ can give you a guideline for the position of the hole on the stem of the dynamic screw. If the handle placed to the right position to the targeting device, then the hole and the fixing screw suited to each other.



SURGICAL TECHNIQUE FOR ORLOS „Y“-TROCHANTERIC LIGHT NAIL SYSTEM

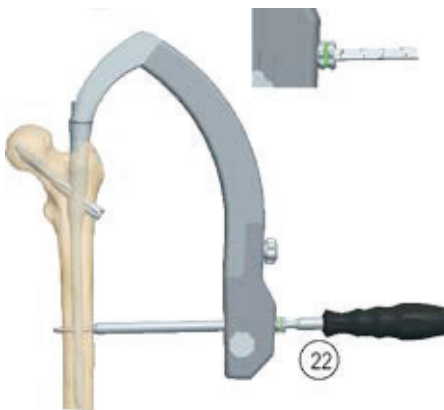


18. REMOVING OF THE DRILL SLEEVES

Remove the dynamic screw wrench by twisting out the threaded stem.

Remove the guide wire.

Remove the yellow soft tissue protector by releasing the clamp screw on the aiming arm.



19. DISTAL INTERLOCKING SCREW INSERTION



There is a round and an oval hole on the distal part of the nail to produce static or dynamic interlocking.

Put the green soft tissue protector (26) and drill sleeve (27) into the aiming arm, incise the skin, push the drill sleeve to the bone and fix the position by the clamp screw (13).

With the green 4 mm spiral drill (28) drill through the nail and the opposite cortex. Read the length on the drill or use the depth gauge (31) to determine screw length.

20. CAUTION - CONSIDERATION!

The measured length is the thread length only, add 4 to 5 mm for determining the screw length!

Interlock the nail with 4.9 mm interlocking screw, obtain a final X-ray view to confirm satisfactory placement.



21. NAIL CLOSURE WITH END CUP

Remove the aiming arm by releasing the nail adapter screw (6) with the 10 mm hexagonal screwdriver (18).

Close the proximal part of the nail with a Cap screw (12400-17016), tighten it with the cardan screwdriver (16, 20).

SURGICAL TECHNIQUE FOR ORLOS „Y“-TROCHANTERIC LIGHT NAIL SYSTEM



REMOVAL OF THE ORLOS „Y“- TROCHANTERIC LIGHT NAIL

22. REMOVING OF THE END CAP SCREW

Remove the cap screw with the cardan screwdriver (16, 20).

23. OPENING OF THE FIXING SCREW

Opening - unscrew the fixing screw with the same screwdriver, removal is not necessary.

24. REMOVING OF THE DYNAMIC SCREW

Drive the threaded stem (14) through the T wrench (10) from above.

Attach the wrench to the dynamic screw, which can be removed by counterclockwise turning.

25. CONNECTING OF THE REMOVAL DEVICE WITH NAIL

Drive the nail adapter screw (6) into the nail, attach the cardan rod (21) to its internal thread.

SURGICAL TECHNIQUE FOR ORLOS „Y“-TROCHANTERIC LIGHT NAIL SYSTEM

REMOVAL OF THE ORLOS „Y“- TROCHANTERIC LIGHT NAIL



26. REMOVING OF THE DISTAL INTERLOCKING SCREWS

Remove all the interlocking screws with the screwdriver (22).



27. ASSEMBLING OF THE REMOVAL NAIL EXTRACTION DEVICES

Put the slide hammer (8) over the hammer guide shaft (12), close its end with the hammer guide head (9) and secure it with the 12 mm wrench (29).

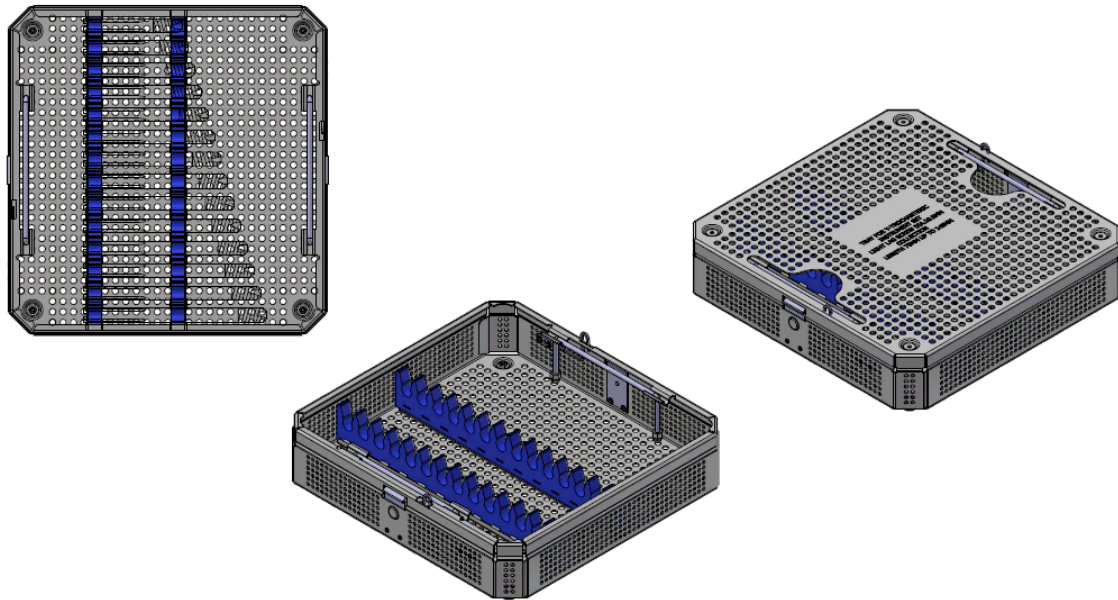


28. REMOVING OF THE TROCHANTERIC NAIL (NAIL EXTRACTION)

Put the removal device fixation sleeve (23) over the cardan rod (20) and assemble with the hammer shaft. The implantatum can be removed with the slide hammer.

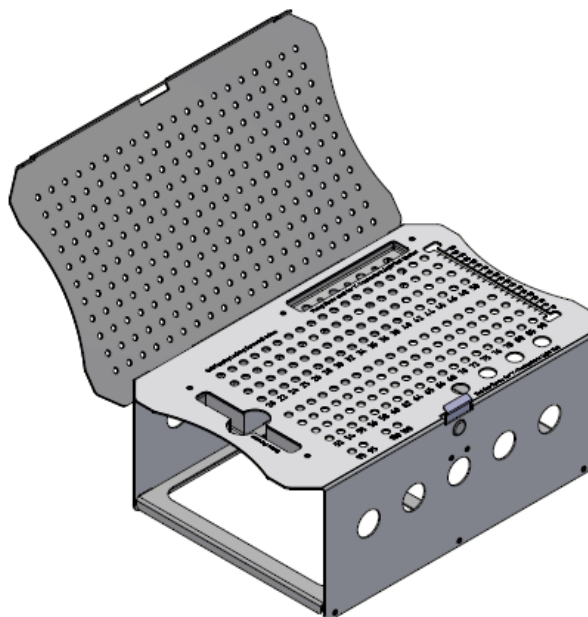
IMPLANT TRAYS ORLOS „Y“ TROCHANTERIC LIGHT NAIL SYSTEMW

TRAY FOR “Y” NAIL LIGHT LAG SCREW SET
TRAY-012-184023 Tray for Lag Screw SET-012-184023



NOTE! LAG SCREW SET -012-184023 ARE NOT ILLUSTRATED

TRAY FOR ORLOS „Y“ NAIL LIGHT SCREW SET
TRAY-012-18402 Tray for Orlos „Y“ Nail Light SET-012-18402



NOTE! SCREW SET-012-18402 ARE NOT ILLUSTRATED

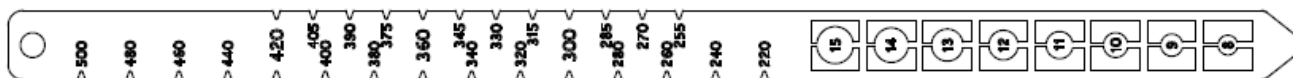
ORLOS NAIL GUIDE WIRES + NAIL LENGTH GAUGE

INFORMATION! NAIL GUIDE WIRE ARE NOT INCLUDED IN THE BASIC SURGICAL INSTRUMENT SET

CAT.NO.(REF.) 95-651.01 GUIDE ROD FOR IM NAIL DIA. 2.4MM X LENGTH 900MM

CAT.NO.(REF.) 95-651.02 GUIDE ROD FOR IM NAIL DIA. 3.0MM X LENGTH 900MM

CAT.NO.(REF.) 95-632.00 NAIL LENGTH GAUGE (NOT INCLUDED IN THE BASIC SURGICAL SET)



CAT.NO.(REF.) INS-94501-05400 IMPACTOR, CANNULATED DIA. 5.0 MM(NOT INCLUDED IN THE BASIC SURGICAL SET)



