







LINKT.O.P. II

Acetabular Cup System

CE 0482

Explanation of Pictograms			
	Manufacturer		Article number
	Material (number)		Product meets the applicable requirements, which are regulated in the EU harmonization legislation for the affixing of the CE marking.

LINK T.O.P. II

Acetabular Cup System

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LINK T.O.P. II Acetabular Cup System

Many years of experience with successful implant systems and fixation concepts as well as the latest material and coating technologies have been taken into account and used in the design of this innovative acetabular system.

The medio-ventral recess protects the femoral nerve and psoas tendon whilst ensuring a wide range of motion¹. The UHMWPE inserts (Standard UHMWPE and X-LINKed – crosslinked UHMWPE) are available in standard and anti-luxation designs. Both variants offer 5 rotational positions to enable individual alignment appropriate for individual hip situations.

The LINK T.O.P. II Acetabular Cup System is available with osteoconductive HX calcium phosphate coating (CaP). This provides osteoconductivity and promotes secondary stability^{2, 3}.



*Trabeculae Oriented Pattern

LINK T.O.P. II Acetabular Cup System

- Press-fit fixation
- Circular segmental rows of teeth at the cup equator
- Metal shell with pre-drilled holes for additional screw fixation
- Medio-ventral recess allows wider range of motion and protects the psoas tendon and femoral nerve¹
- Fixation of Polyethylene Insert to Metal shell by a “snap-lock mechanism”
- Available with Anti-luxation Inserts
- Metal shell made of **Ti60tan** titanium alloy
- Polyethylene Inserts of standard UHMWPE and X-LINKed versions



Preoperative Planning

To ensure the best possible treatment results, the appropriate implant should be selected during preoperative planning. Special LINK T.O.P. II X-ray templates are available in standard 1.1:1.

Together with an up-to-date plain X-ray of the pelvis, the X-ray templates are a practical aid to enable determination of the surgical intervention and of the correct implant size.

The aim of preoperative planning is to establish the approximate size of the implant required and the optimal position in which to place it. Surgical complications should be avoided by means of careful planning.

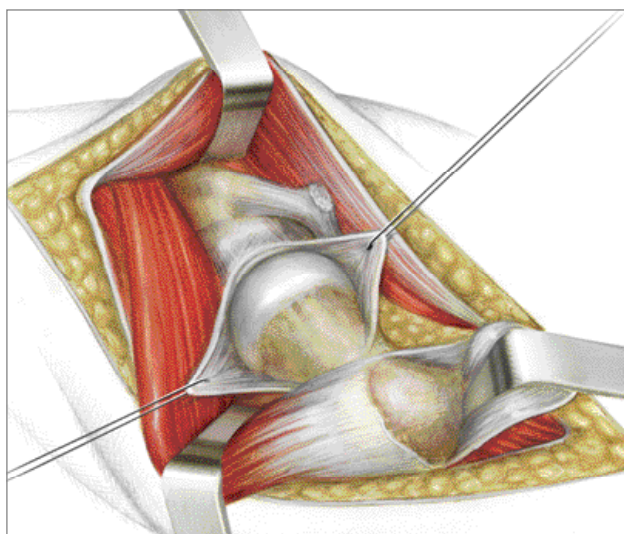
In principle, a load-bearing, stable acetabular fossa and solid lateral osseous coverage is desirable. To achieve a press-fit with primary stability, the osseous circumference of the acetabulum must be well preserved.

The **inclination** of the Metal shell should not be significantly above or below 45° or 55° depending on the used insert.

The **anteversion** should not be significantly above or below 15°.

Placement outside of these boundaries will result in reduced range of motion and could subsequently lead to subluxation and/or dislocation of the joint.

Surgical Approaches

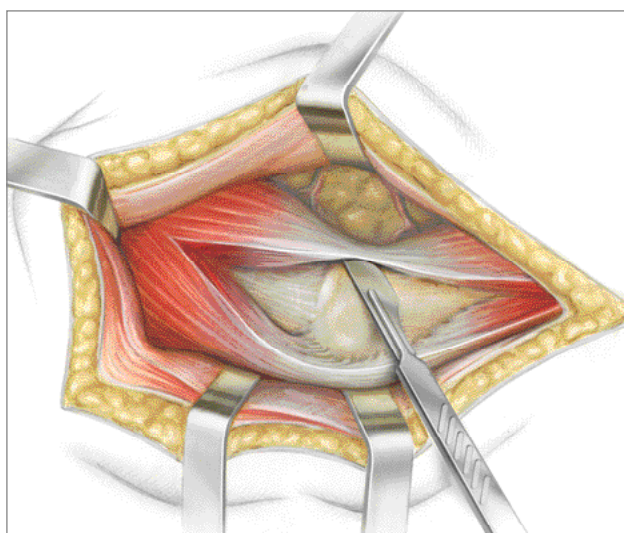


A: **Watson Jones**

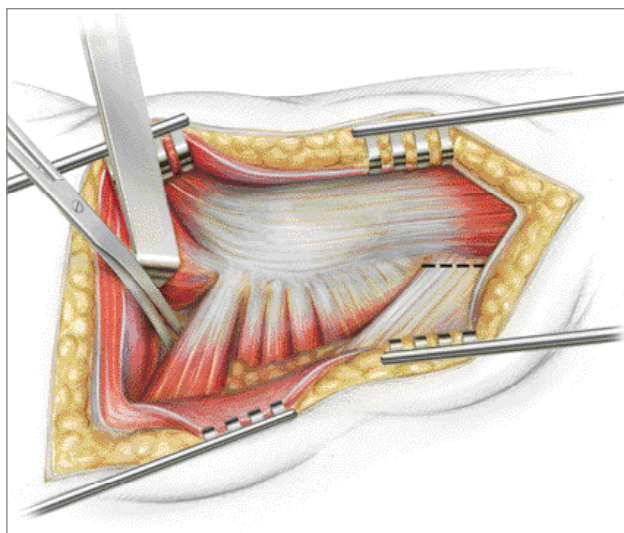
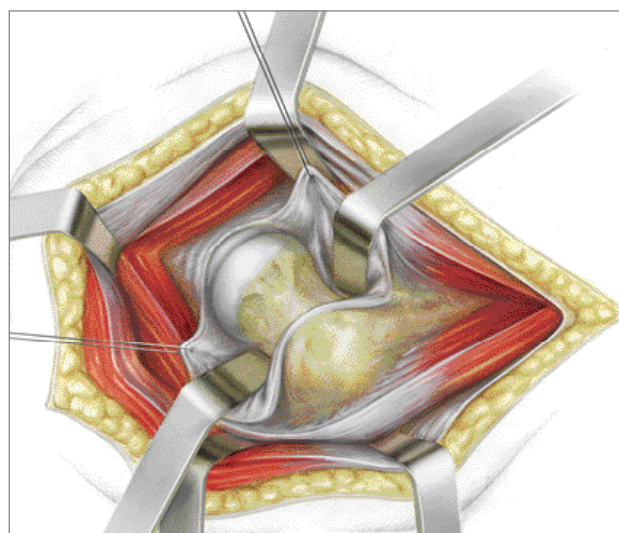
The choice depends on the surgeon's experience and his/her decision based on the individual situation.

The following approaches are common:

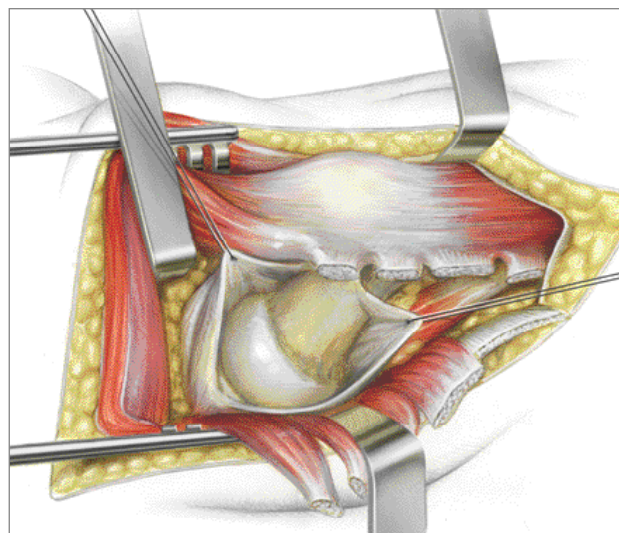
- antero-lateral – **Watson Jones** (A)
- direct lateral – **Hardinge** (B)
- postero-lateral – **Moore** (C)



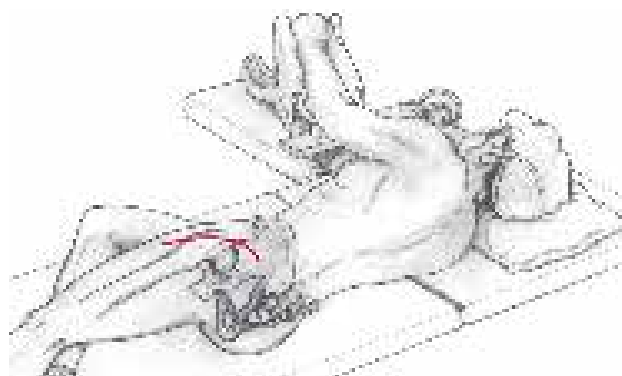
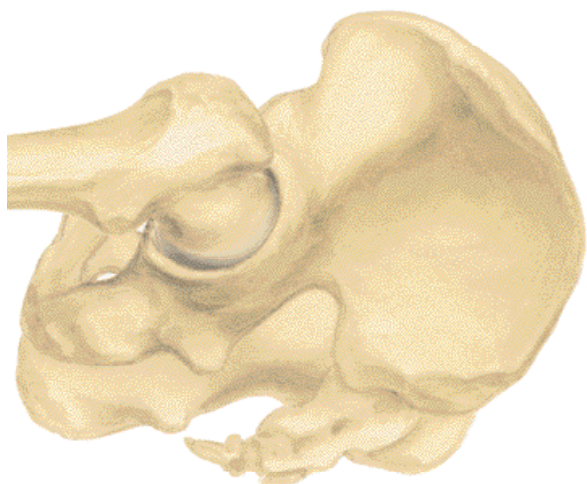
B: **Hardinge**



C: **Moore**



Preparation and Implantation



Dislocation of the Hip Joint

After dislocation of the femoral head, the femoral neck and the proximal rim of both trochanters are exposed and existing osteophytes of the femoral head removed (Fig. 1).

Fig. 1

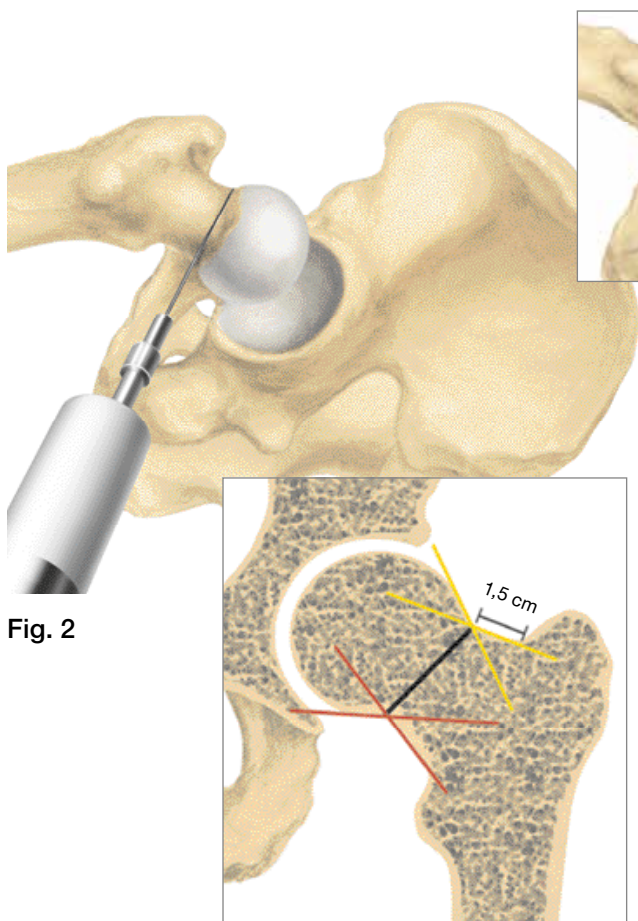


Fig. 2

Femoral Head Resection

Femoral head resection (Fig. 2) should be carried according to the surgical technique of the stem selected. The following procedure is only for reference. During the preoperative planning the osteotomy site is determined by applying tangents as shown in illustrations. The line of the resection on the isthmus corresponds to the line connecting the intersections points of the tangents. The distance from the intersection of the major trochanter is usually 1.5 cm (Fig. 2).

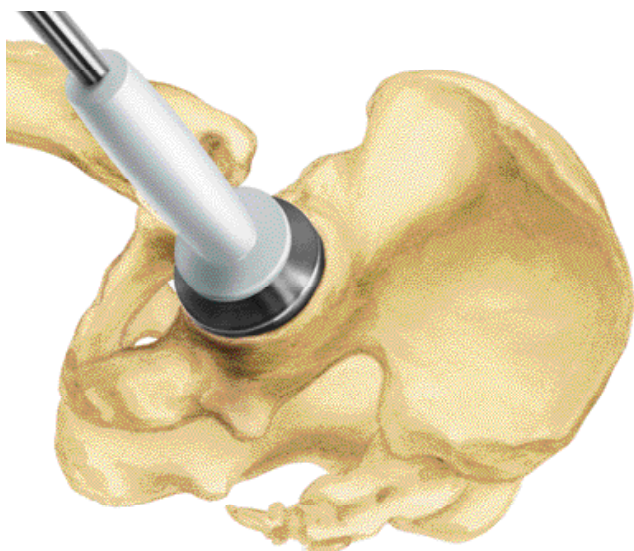


Fig. 3

Exposure and Reaming of Acetabulum

Depending on the approach used, the leg is rotated so that the acetabulum is well exposed. The initial reamer size corresponds to the width of the acetabular cup entrance.

Then reamers with increasing diameters are applied until areas of bloody subchondral compacta become visible but without compromising the supportive structure for secure anchoring of the metal shell. It is essential to keep the reamer head absolutely steady (Fig. 3).

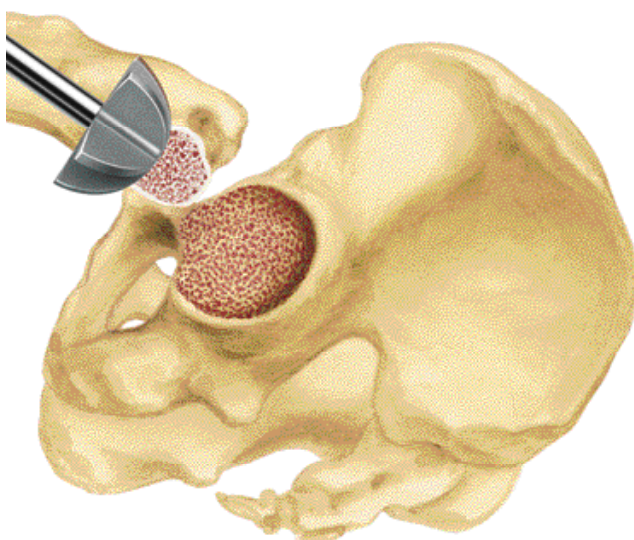


Fig. 4

Determination of Cup Size

The Trial Cup is used to determine the size of Metal Shell required as the reamed cavity may be larger than was originally intended. As soon as the Trial Cup is firmly seated in the reamed acetabulum the corresponding size of the Metal Shell is to be selected (Fig. 4).

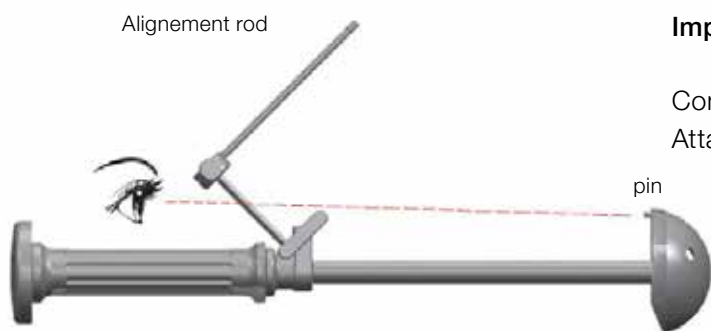


Fig. 5A

Implantation of the Metal Shell

Connect the Metal shell to the Impactor Handle. Attach the Alignment Guide to the Impactor Handle and align it exactly to the small pin on the Metal Shell (Fig. 5A).

Using the corresponding Alignment Guide the Metal Shell is aligned for either 45° or 55° inclination. The Alignment Guide should be 90° to the body's axis (Fig. 65B).

To achieve 15° anteversion the Impactor Handle is oriented such that the corresponding Alignment Rod (left or right) is in parallel to the patient's body axis (Fig. 5C).

The Metal Shell is then driven with appropriate taps on the Impactor Handle into the prepared acetabulum. The rim of the Metal Shell should be parallel to the acetabulum entrance plane for secure seating in the surrounding bone.

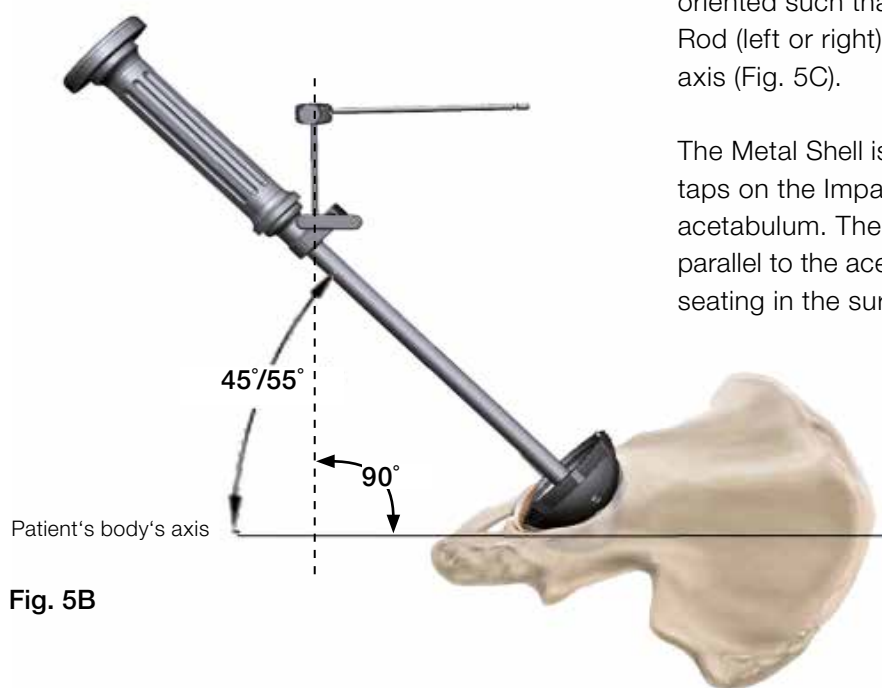


Fig. 5B



Fig. 5C

CAUTION:

The entrance plane of the acetabulum and the position of the implanted metal shell determine the choice of UHMWPE insert. An entrance angle of approx. 55° requires a LINK T.O.P. II anti-luxation insert.

A standard insert must be chosen, however, if the angle is approx. 45° in order to avoid impingement during abduction.

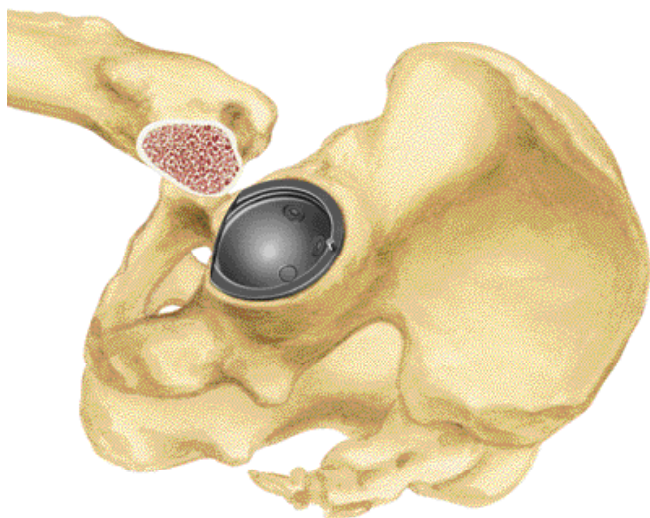


Fig. 6

Closure of the Peep-hole

After the Metal Shell has been driven in, a check is performed to ensure that it is seated in the base of the acetabulum and whether it is in direct contact with the bone. In order to verify the distance between the Metal Shell and the reamed area, it is recommended that a depth measuring guide or forceps are used, which are pushed into the central hole. Drive the Metal Shell in further if necessary. After final verification, the central hole in the middle of the top of the Metal Shell is closed with the peep-hole screw. It is important that the screw is completely tightened but not overtightened (Fig. 6).

If additional Bone Screws are used, the locking screws must be removed from inside the cup beforehand.

INFORMATION:

It is important that the optional bone screws are completely tightened but not overtightened.

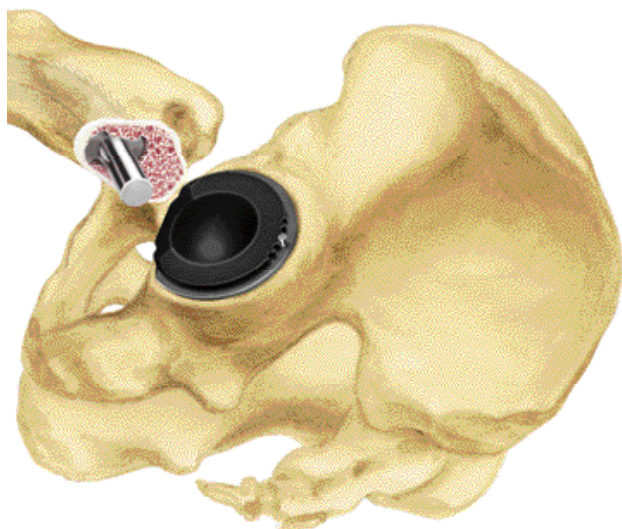


Fig. 7

Trial Reduction

The plastic Trial Insert is placed in the Metal Shell. The pin at the upper rim of the Metal Shell fits into one of the five notches of the plastic Trial Insert. Its position depends on the individual case. In a normal case, the pin is placed in the central notch (Fig. 7).

The trial reduction indicates the correct positioning of the Trial Insert and the head-neck length (Fig. 8).



Fig. 8

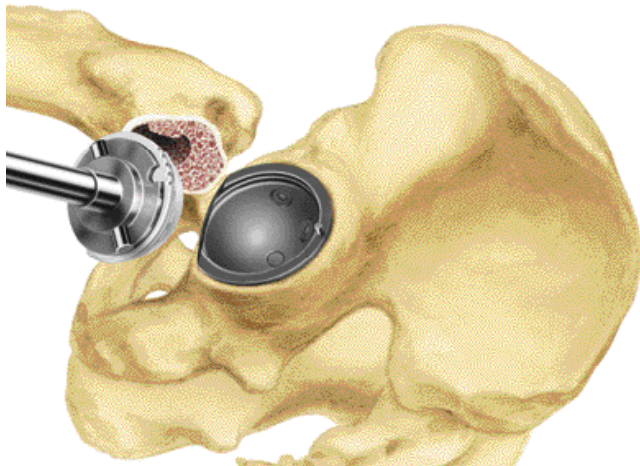


Fig. 9

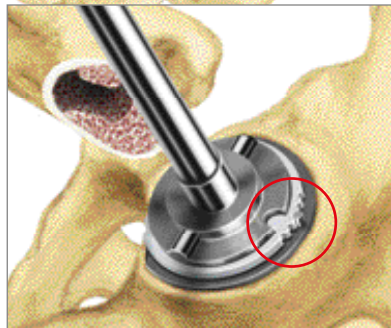


Fig. 10

LINK T.O.P. II Polyethylene Insert

After removal of the femoral bone compressor the LINK T.O.P. II Insert is impacted according to the position determined during the trial reduction. The pin secures the Insert against rotation (Fig. 9 & 10).

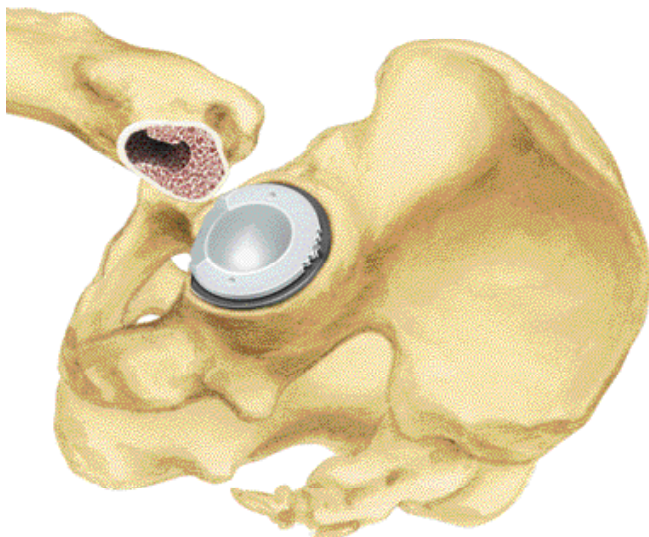


Fig. 11

The LINK T.O.P. II Acetabular Cup in situ.
(Fig. 11)

Metal Shells

with medio-ventral recess, incl. 1 closing screw for polar hole and

- 3 closing screws for sizes $\leq \text{Ø } 50 \text{ mm}$ or
- 4 closing screws for sizes $\geq \text{Ø } 52 \text{ mm}$

MAT *Ti/zotan* and HX Coating (calcium phosphate)



		UHMWPE	X-LINKed	UHMWPE/ X-LINKed	UHMWPE/ X-LINKed	X-LINKed
Metal Shells REF	Outer-Ø mm	for Polyethylene Inserts for head Ø mm				
292-300/42	42	22*	24			
292-300/44	44	22*	24			
292-300/46	46	22*		28**		
292-300/48	48			28		
292-300/50	50			28	32**	
292-300/52	52			28	32**	
292-300/54	54			28	32	36
292-300/56	56			28	32	36
292-300/58	58			28	32	36
292-300/60	60			28	32	36
292-300/62	62			28	32	36
292-300/64	64			28	32	36
292-300/66	66			28	32	36
292-300/68	68			28	32	36

*These inserts have a higher risk of luxation than greater ones.

**Only X-LINKed

Bone Screws for Metal Shells

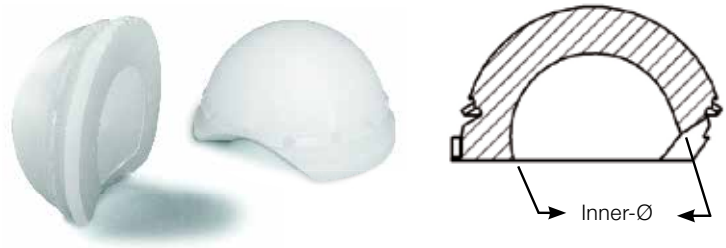
MAT *Ti/zotan*

REF	Ø x length mm
180-658/15	6,5 x 15
180-658/20	6,5 x 20
180-658/25	6,5 x 25
180-658/30	6,5 x 30
180-658/35	6,5 x 35
180-658/40	6,5 x 40



LINK T.O.P. II UHMWPE Inserts – UHMWPE

anti-luxation
 [MAT] UHMWPE



for Metal Shells Outer-Ø mm	REF	Inner-Ø mm	REF	Inner-Ø mm
42	290-323/42*	22		
44	290-323/44*	22		
46	290-323/46*	22		
48	290-323/48	28		
50	290-323/50	28		
52	290-323/52	28		
54	290-323/54	28	290-312/54	32
56	290-323/56	28	290-312/56	32
58	290-323/58	28	290-312/58	32
60	290-323/60	28	290-312/60	32
62	290-323/62	28	290-312/62	32
64	290-323/64	28	290-312/64	32
66	290-323/66	28	290-312/66	32
68	290-323/68	28	290-312/68	32

standard
 [MAT] UHMWPE

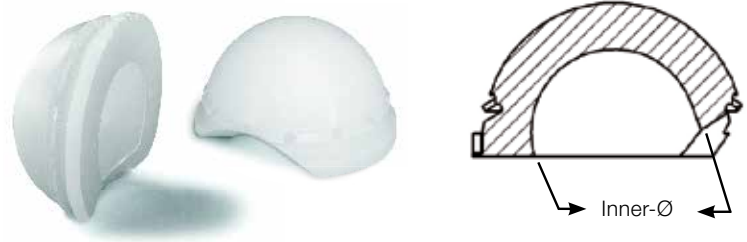


for Metal Shells Outer-Ø mm	REF	Inner-Ø mm	REF	Inner-Ø mm
42	291-310/42*	22		
44	291-310/44*	22		
46	291-310/46*	22		
48	291-310/48	28		
50	291-310/50	28		
52	291-310/52	28		
54	291-310/54	28	291-312/54	32
56	291-310/56	28	291-312/56	32
58	291-310/58	28	291-312/58	32
60	291-310/60	28	291-312/60	32
62	291-310/62	28	291-312/62	32
64	291-310/64	28	291-312/64	32
66	291-310/66	28	291-312/66	32
68	291-310/68	28	291-312/68	32

*These inserts have a higher risk of luxation than greater ones.

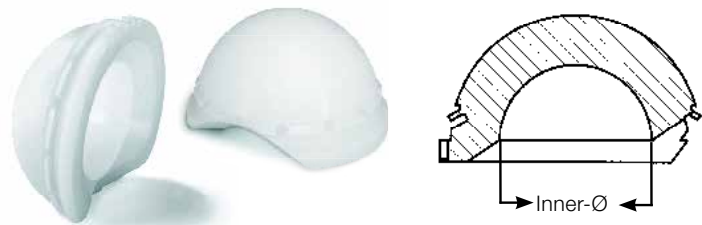
LINK T.O.P. II UHMWPE Inserts – **X-LINKed**

anti-luxation
MAT UHMWPE X-LINKed



for Metal Shells Outer-Ø mm	REF	Inner-Ø mm	REF	Inner-Ø mm	REF	Inner-Ø mm
42	190-310/42	24				
44	190-310/44	24				
46	190-310/46	28				
48	190-310/48	28				
50	190-310/50	28	190-312/50	32		
52	190-310/52	28	190-312/52	32		
54	190-310/54	28	190-312/54	32	190-314/54	36
56	190-310/56	28	190-312/56	32	190-314/56	36
58	190-310/58	28	190-312/58	32	190-314/58	36
60	190-310/60	28	190-312/60	32	190-314/60	36
62	190-310/62	28	190-312/62	32	190-314/62	36
64	190-310/64	28	190-312/64	32	190-314/64	36
66	190-310/66	28	190-312/66	32	190-314/66	36
68	190-310/68	28	190-312/68	32	190-314/68	36

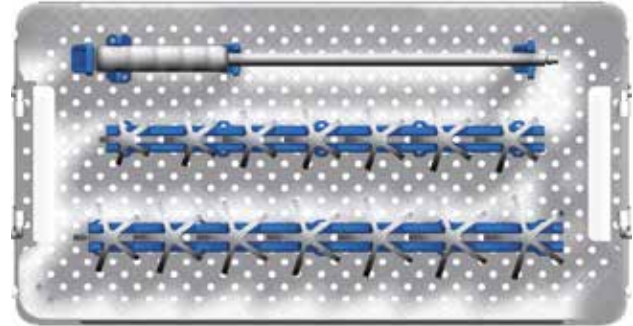
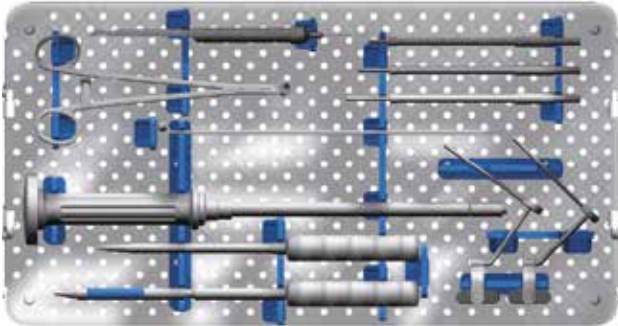
standard
MAT UHMWPE X-LINKed



for Metal Shells Outer-Ø mm	REF	Inner-Ø mm	REF	Inner-Ø mm	REF	Inner-Ø mm
42	191-310/42	24				
44	191-310/44	24				
46	191-310/46	28				
48	191-310/48	28				
50	191-310/50	28	191-312/50	32		
52	191-310/52	28	191-312/52	32		
54	191-310/54	28	191-312/54	32	191-314/54	36
56	191-310/56	28	191-312/56	32	191-314/56	36
58	191-310/58	28	191-312/58	32	191-314/58	36
60	191-310/60	28	191-312/60	32	191-314/60	36
62	191-310/62	28	191-312/62	32	191-314/62	36
64	191-310/64	28	191-312/64	32	191-314/64	36
66	191-310/66	28	191-312/66	32	191-314/66	36
68	191-310/68	28	191-312/68	32	191-314/68	36

Instrument Set for LINK T.O.P. II Acetabular Cups

132-102/01 Instrument Set complete with illustrations and storage racks



132-103/01 Instrument Set



UHMWPE

132-104/01 Instrument Set



X-LINKed

132-105/01 Complementary Instrument Set, Ø 32mm



UHMWPE

132-106/01 Complementary Instrument Set, Ø 36mm



X-LINKed

132-107/01 Complementary Instrument Set, Ø 32mm

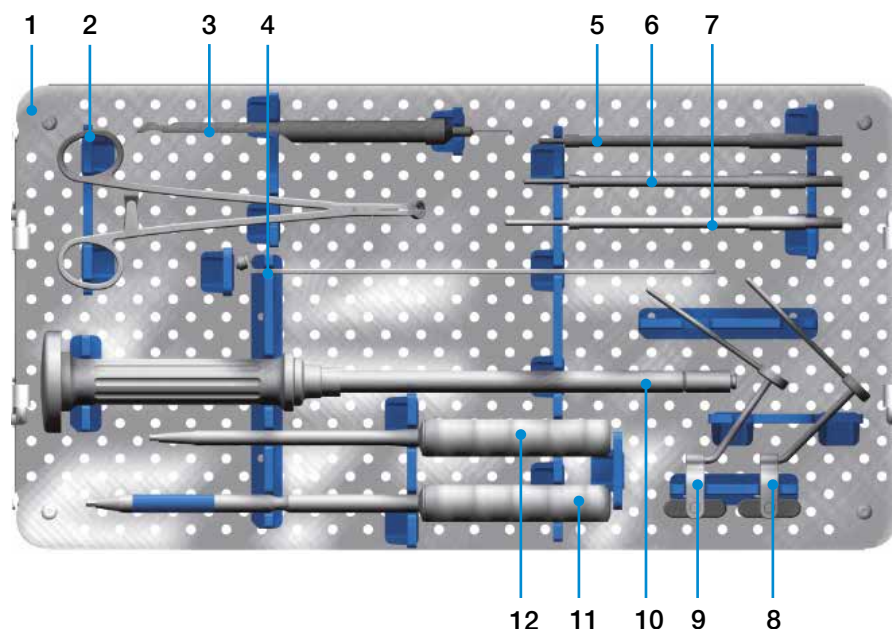


X-LINKed

132-260/01 Complementary Instrument Set for Acetabular Reamers

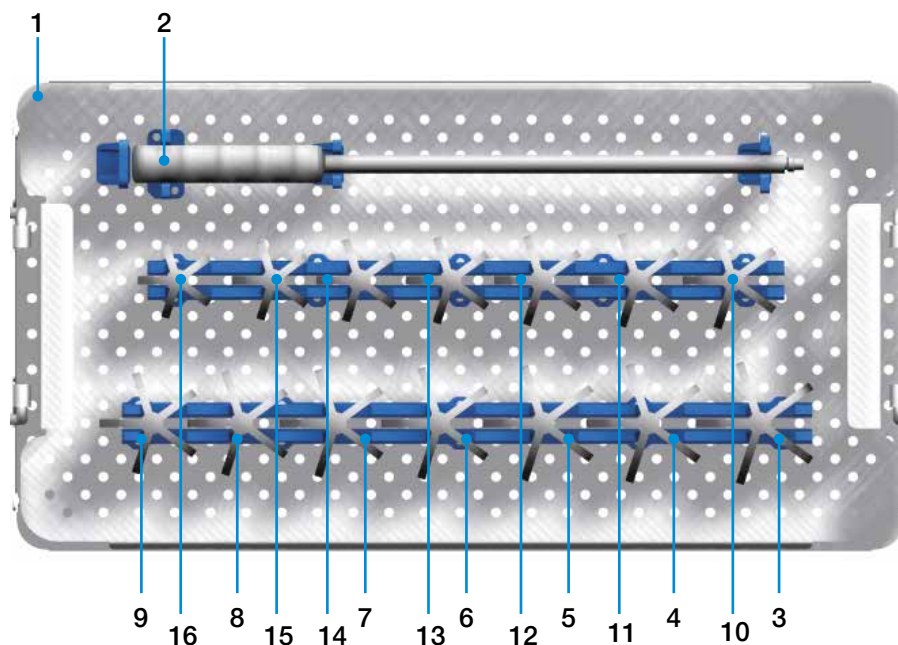


REF	
	Instrument set for LINK T.O.P. II Acetabular Cups
132-102/01	Instrument Set, complete
132-103/01	Instrument Set UHMWPE
132-104/01	Instrument Set X-LINKed
132-105/01	Complementary Instrument Set, UHMWPE, Ø 32 mm
132-106/01	Complementary Instrument Set, X-LINKed, Ø 36 mm
132-107/01	Complementary Instrument Set, X-LINKed, Ø 32 mm
132-260/01	Complementary Instrument Set for Acetabular Reamers

132-102/01 Instrument Set for LINK T.O.P. II Acetabular Cups


	REF	Description
1	132-102/10	Instrument Tray , empty, perforated stainless steel, 550 x 265 x 50 mm
2	15-8385/01	Insertion Forceps for screws
3	15-8389/01	Bone Screw Depth Gauge , 235 mm
4	131-608/04	Drill Guide , for Flexible Drills, 290 mm
5	131-608/01	Flexible Drill for Bone Screw: 15 - 20 mm, Ø 3.2 mm 160 mm, Jacobs Chuck fitting
6	131-608/02	Flexible Drill for Bone Screw: 25 - 30 mm, Ø 3.2 mm 170 mm, Jacobs Chuck fitting
7	131-608/03	Flexible Drill for Bone Screw: 35 - 40 mm, Ø 3.2 mm 180 mm, Jacobs Chuck fitting
		Impactor Handle for T.O.P. II Metal Casings (for use right and left), 400 mm consisting of:
8	183-150/04	Alignment Guide , 45°
9	183-150/05	Alignment Guide , 55°
10	132-150/03	Impactor Handle , straight
11	131-609/03	Flexible Spring Hex Screwdriver , hex width 3.5 mm, 290 mm
12	64-8008/03	Spring Hex Screwdriver , hex width 3.5 mm

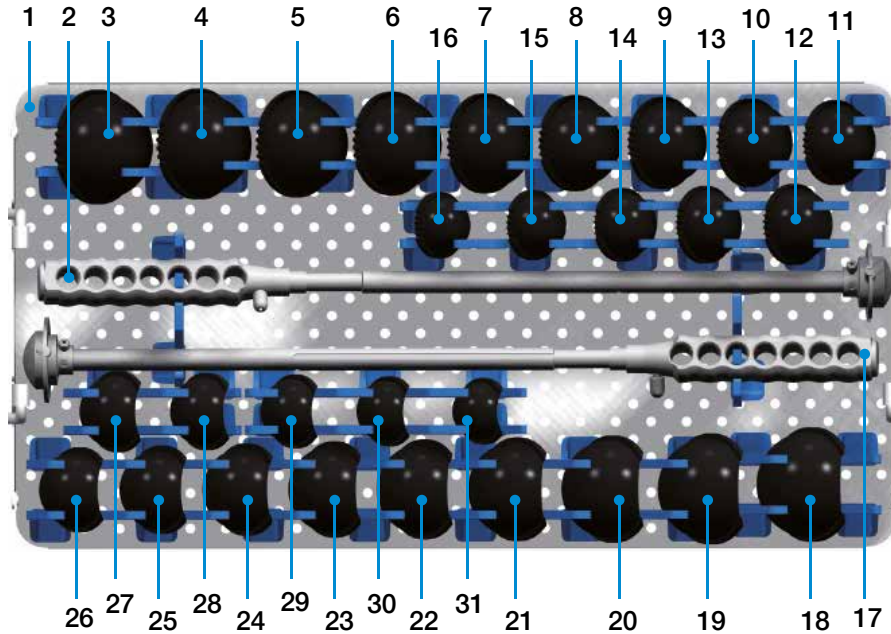
132-102/01 Instrument Set for LINK T.O.P. II Acetabular Cups



	REF	Description
1	132-102/10	Instrument Tray , empty, perforated stainless steel, 550 x 265 x 50 mm
2	132-261	Impactor Handle for Trial Inserts
3	132-160/68	Trial Insert for Metal Shells
4	132-160/66	Trial Insert for Metal Shells
5	132-160/64	Trial Insert for Metal Shells
6	132-160/62	Trial Insert for Metal Shells
7	132-160/60	Trial Insert for Metal Shells
8	132-160/58	Trial Insert for Metal Shells
9	132-160/56	Trial Insert for Metal Shells
10	132-160/54	Trial Insert for Metal Shells
11	132-160/52	Trial Insert for Metal Shells
12	132-160/50	Trial Insert for Metal Shells
13	132-160/48	Trial Insert for Metal Shells
14	132-160/46	Trial Insert for Metal Shells
15	132-160/44	Trial Insert for Metal Shells
16	132-160/42	Trial Insert for Metal Shells

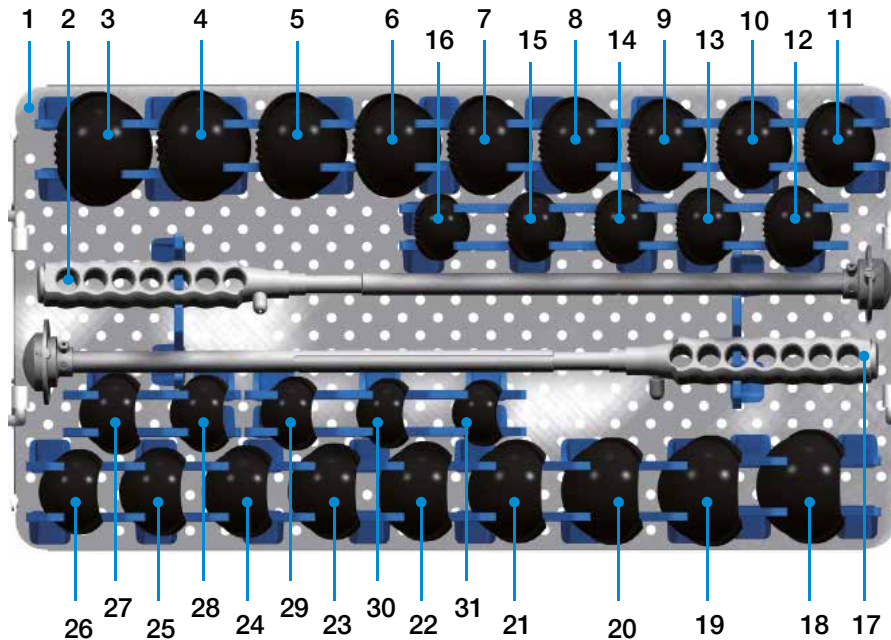
132-103/01 Instrument Set for LINK T.O.P. II Acetabular Cups

UHMWPE



	REF	Description
1	132-103/10	Instrument Tray , empty, perforated stainless steel, 550 x 265 x 50 mm
2	130-347/22	Inserter-Positioner for acetabular cups, Inner-Ø 22 mm, 460 mm
Trial Inserts standard , corresponding to polyethylene insert		
3	132-144/68	Outer-Ø 68 mm, Inner-Ø 28 mm
4	132-144/66	Outer-Ø 66 mm, Inner-Ø 28 mm
5	132-144/64	Outer-Ø 64 mm, Inner-Ø 28 mm
6	132-144/62	Outer-Ø 62 mm, Inner-Ø 28 mm
7	132-144/60	Outer-Ø 60 mm, Inner-Ø 28 mm
8	132-144/58	Outer-Ø 58 mm, Inner-Ø 28 mm
9	132-144/56	Outer-Ø 56 mm, Inner-Ø 28 mm
10	132-144/54	Outer-Ø 54 mm, Inner-Ø 28 mm
11	132-144/52	Outer-Ø 52 mm, Inner-Ø 28 mm
12	132-144/50	Outer-Ø 50 mm, Inner-Ø 28 mm
13	132-144/48	Outer-Ø 48 mm, Inner-Ø 28 mm
14	132-143/46	Outer-Ø 46 mm, Inner-Ø 22 mm
15	132-143/44	Outer-Ø 44 mm, Inner-Ø 22 mm
16	132-143/42	Outer-Ø 42 mm, Inner-Ø 22 mm
17	130-347/28	Inserter-Positioner for acetabular cups, Inner-Ø 28 mm, 460 mm
Trial Inserts anti-luxation , corresponding to polyethylene insert		
18	132-146/68	Outer-Ø 68 mm, Inner-Ø 28 mm
19	132-146/66	Outer-Ø 66 mm, Inner-Ø 28 mm
20	132-146/64	Outer-Ø 64 mm, Inner-Ø 28 mm
21	132-146/62	Outer-Ø 62 mm, Inner-Ø 28 mm
22	132-146/60	Outer-Ø 60 mm, Inner-Ø 28 mm
23	132-146/58	Outer-Ø 58 mm, Inner-Ø 28 mm
24	132-146/56	Outer-Ø 56 mm, Inner-Ø 28 mm
25	132-146/54	Outer-Ø 54 mm, Inner-Ø 28 mm
26	132-146/52	Outer-Ø 52 mm, Inner-Ø 28 mm
27	132-146/50	Outer-Ø 50 mm, Inner-Ø 28 mm
28	132-146/48	Outer-Ø 48 mm, Inner-Ø 28 mm
29	132-145/46	Outer-Ø 46 mm, Inner-Ø 22 mm
30	132-145/44	Outer-Ø 44 mm, Inner-Ø 22 mm
31	132-145/42	Outer-Ø 42 mm, Inner-Ø 22 mm

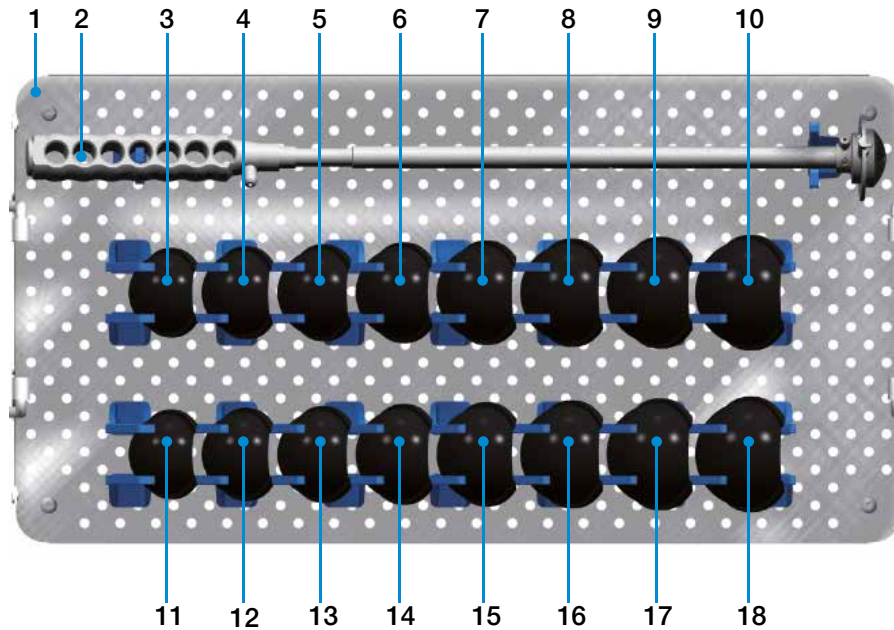
132-104/01 Instrument Set for LINK T.O.P. II Acetabular Cups



	REF	Description
1	132-103/10	Instrument Tray , empty, perforated stainless steel, 550 x 265 x 50 mm
2	130-347/24	Inserter-Positioner for acetabular cups, Inner-Ø 24 mm, 460 mm
Trial Inserts standard , corresponding to polyethylene insert		
3	132-144/68	Outer-Ø 68 mm, Inner-Ø 28 mm
4	132-144/66	Outer-Ø 66 mm, Inner-Ø 28 mm
5	132-144/64	Outer-Ø 64 mm, Inner-Ø 28 mm
6	132-144/62	Outer-Ø 62 mm, Inner-Ø 28 mm
7	132-144/60	Outer-Ø 60 mm, Inner-Ø 28 mm
8	132-144/58	Outer-Ø 58 mm, Inner-Ø 28 mm
9	132-144/56	Outer-Ø 56 mm, Inner-Ø 28 mm
10	132-144/54	Outer-Ø 54 mm, Inner-Ø 28 mm
11	132-144/52	Outer-Ø 52 mm, Inner-Ø 28 mm
12	132-144/50	Outer-Ø 50 mm, Inner-Ø 28 mm
13	132-144/48	Outer-Ø 48 mm, Inner-Ø 28 mm
14	132-144/46	Outer-Ø 46 mm, Inner-Ø 28 mm
15	132-144/44	Outer-Ø 44 mm, Inner-Ø 24 mm
16	132-144/42	Outer-Ø 42 mm, Inner-Ø 24 mm
17	130-347/28	Inserter-Positioner for acetabular cups, Inner-Ø 28 mm, 460 mm
Trial Inserts anti-luxation , corresponding to polyethylene insert		
18	132-146/68	Outer-Ø 68 mm, Inner-Ø 28 mm
19	132-146/66	Outer-Ø 66 mm, Inner-Ø 28 mm
20	132-146/64	Outer-Ø 64 mm, Inner-Ø 28 mm
21	132-146/62	Outer-Ø 62 mm, Inner-Ø 28 mm
22	132-146/60	Outer-Ø 60 mm, Inner-Ø 28 mm
23	132-146/58	Outer-Ø 58 mm, Inner-Ø 28 mm
24	132-146/56	Outer-Ø 56 mm, Inner-Ø 28 mm
25	132-146/54	Outer-Ø 54 mm, Inner-Ø 28 mm
26	132-146/52	Outer-Ø 52 mm, Inner-Ø 28 mm
27	132-146/50	Outer-Ø 50 mm, Inner-Ø 28 mm
28	132-146/48	Outer-Ø 48 mm, Inner-Ø 28 mm
29	132-146/46	Outer-Ø 46 mm, Inner-Ø 28 mm
30	132-146/44	Outer-Ø 44 mm, Inner-Ø 24 mm
31	132-146/42	Outer-Ø 42 mm, Inner-Ø 24 mm

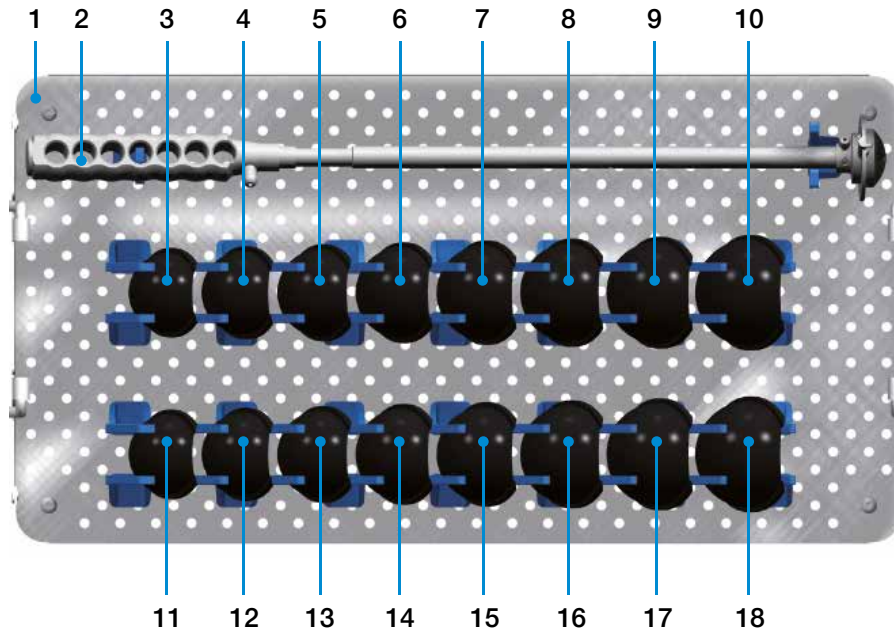
132-105/01 Complementary Instrument Set, Ø 32 mm

LHMWPE



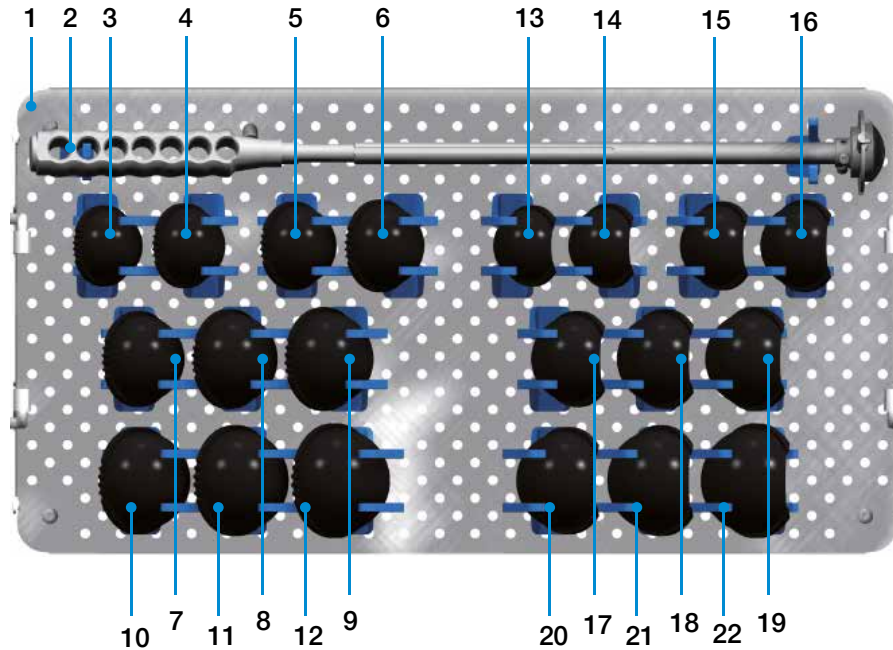
	REF	Description
1	132-105/10	Instrument Tray , empty, perforated stainless steel, 550 x 265 x 50 mm
2	130-347/32	Inserter-Positioner for acetabular cups, Inner-Ø 32 mm, 460 mm
		Trial Inserts standard , corresponding to polyethylene insert, Inner-Ø 32 mm
3	132-148/54	Outer-Ø 54 mm, Inner-Ø 32 mm
4	132-148/56	Outer-Ø 56 mm, Inner-Ø 32 mm
5	132-148/58	Outer-Ø 58 mm, Inner-Ø 32 mm
6	132-148/60	Outer-Ø 60 mm, Inner-Ø 32 mm
7	132-148/62	Outer-Ø 62 mm, Inner-Ø 32 mm
8	132-148/64	Outer-Ø 64 mm, Inner-Ø 32 mm
9	132-148/66	Outer-Ø 66 mm, Inner-Ø 32 mm
10	132-148/68	Outer-Ø 68 mm, Inner-Ø 32 mm
		Trial Inserts anti-luxation , corresponding to polyethylene insert, Inner-Ø 32 mm
11	132-158/54	Outer-Ø 54 mm, Inner-Ø 32 mm
12	132-158/56	Outer-Ø 56 mm, Inner-Ø 32 mm
13	132-158/58	Outer-Ø 58 mm, Inner-Ø 32 mm
14	132-158/60	Outer-Ø 60 mm, Inner-Ø 32 mm
15	132-158/62	Outer-Ø 62 mm, Inner-Ø 32 mm
16	132-158/64	Outer-Ø 64 mm, Inner-Ø 32 mm
17	132-158/66	Outer-Ø 66 mm, Inner-Ø 32 mm
18	132-158/68	Outer-Ø 68 mm, Inner-Ø 32 mm

132-106/01 Complementary Instrument Set, Ø 36 mm



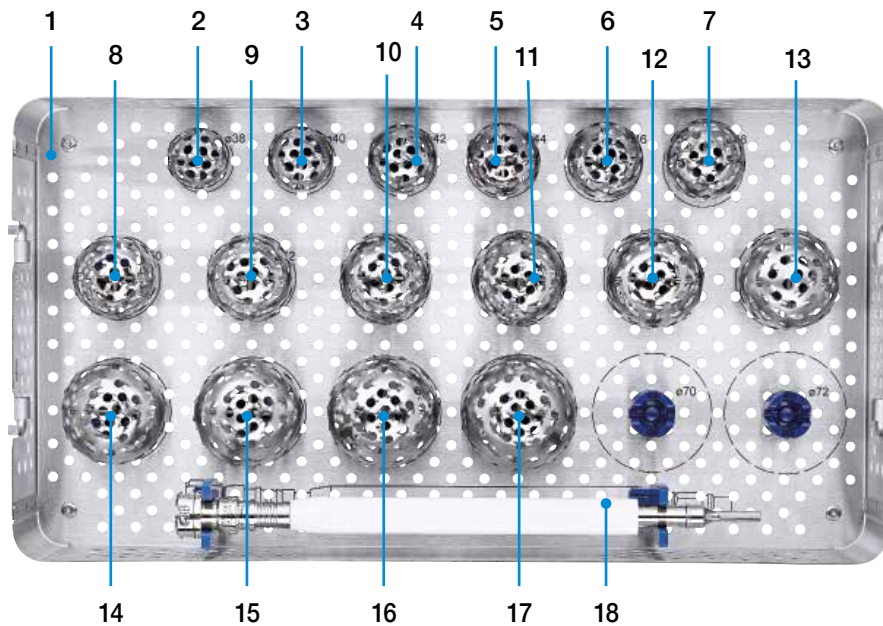
	REF	Description
1	132-105/10	Instrument Tray , empty, perforated stainless steel, 550 x 265 x 50 mm
2	130-347/36	Inserter-Positioner for acetabular cups, Inner-Ø 36 mm, 460 mm
		Trial Inserts standard , corresponding to polyethylene insert, Inner-Ø 36 mm
3	132-149/54	Outer-Ø 54 mm, Inner-Ø 36 mm
4	132-149/56	Outer-Ø 56 mm, Inner-Ø 36 mm
5	132-149/58	Outer-Ø 58 mm, Inner-Ø 36 mm
6	132-149/60	Outer-Ø 60 mm, Inner-Ø 36 mm
7	132-149/62	Outer-Ø 62 mm, Inner-Ø 36 mm
8	132-149/64	Outer-Ø 64 mm, Inner-Ø 36 mm
9	132-149/66	Outer-Ø 66 mm, Inner-Ø 36 mm
10	132-149/68	Outer-Ø 68 mm, Inner-Ø 36 mm
		Trial Inserts anti-luxation , corresponding to polyethylene insert, Inner-Ø 36 mm
11	132-159/54	Outer-Ø 54 mm, Inner-Ø 36 mm
12	132-159/56	Outer-Ø 56 mm, Inner-Ø 36 mm
13	132-159/58	Outer-Ø 58 mm, Inner-Ø 36 mm
14	132-159/60	Outer-Ø 60 mm, Inner-Ø 36 mm
15	132-159/62	Outer-Ø 62 mm, Inner-Ø 36 mm
16	132-159/64	Outer-Ø 64 mm, Inner-Ø 36 mm
17	132-159/66	Outer-Ø 66 mm, Inner-Ø 36 mm
18	132-159/68	Outer-Ø 68 mm, Inner-Ø 36 mm

132-107/01 Complementary Instrument Set, Ø 32 mm



	REF	Description			
1	132-107/10	Instrument Tray , empty, perforated stainless steel, 550 x 265 x 50 mm			
2	130-347/32	Inserter-Positioner for acetabular cups, Inner-Ø 32 mm, 460 mm			
		Trial Inserts standard , corresponding to polyethylene insert, Inner-Ø 32 mm			
3	132-148/50	Outer-Ø 50 mm, Inner-Ø 32 mm	8	132-148/60	Outer-Ø 60 mm, Inner-Ø 32 mm
4	132-148/52	Outer-Ø 52 mm, Inner-Ø 32 mm	9	132-148/62	Outer-Ø 62 mm, Inner-Ø 32 mm
5	132-148/54	Outer-Ø 54 mm, Inner-Ø 32 mm	10	132-148/64	Outer-Ø 64 mm, Inner-Ø 32 mm
6	132-148/56	Outer-Ø 56 mm, Inner-Ø 32 mm	11	132-148/66	Outer-Ø 66 mm, Inner-Ø 32 mm
7	132-148/58	Outer-Ø 58 mm, Inner-Ø 32 mm	12	132-148/68	Outer-Ø 68 mm, Inner-Ø 32 mm
		Trial Inserts anti-luxation , corresponding to polyethylene insert, Inner-Ø 32 mm			
13	132-158/50	Outer-Ø 50 mm, Inner-Ø 32 mm	18	132-158/60	Outer-Ø 60 mm, Inner-Ø 32 mm
14	132-158/52	Outer-Ø 52 mm, Inner-Ø 32 mm	19	132-158/62	Outer-Ø 62 mm, Inner-Ø 32 mm
15	132-158/54	Outer-Ø 54 mm, Inner-Ø 32 mm	20	132-158/64	Outer-Ø 64 mm, Inner-Ø 32 mm
16	132-158/56	Outer-Ø 56 mm, Inner-Ø 32 mm	21	132-158/66	Outer-Ø 66 mm, Inner-Ø 32 mm
17	132-158/58	Outer-Ø 58 mm, Inner-Ø 32 mm	22	132-158/68	Outer-Ø 68 mm, Inner-Ø 32 mm

132-260/01 Complementary Instrument Set for LINK Acetabular Reamers



	REF	Description
1	132-260/10	Instrument Tray, empty, perforated stainless steel, 550 x 265 x 50 mm
2	131-170/38	Acetabular Reamer Head, Reamer-Ø 38 mm
3	131-170/40	Acetabular Reamer Head, Reamer-Ø 40 mm
4	131-170/42	Acetabular Reamer Head, Reamer-Ø 42 mm
5	131-170/44	Acetabular Reamer Head, Reamer-Ø 44 mm
6	131-170/46	Acetabular Reamer Head, Reamer-Ø 46 mm
7	131-170/48	Acetabular Reamer Head, Reamer-Ø 48 mm
8	131-170/50	Acetabular Reamer Head, Reamer-Ø 50 mm
9	131-170/52	Acetabular Reamer Head, Reamer-Ø 52 mm
10	131-170/54	Acetabular Reamer Head, Reamer-Ø 54 mm
11	131-170/56	Acetabular Reamer Head, Reamer-Ø 56 mm
12	131-170/58	Acetabular Reamer Head, Reamer-Ø 58 mm
13	131-170/60	Acetabular Reamer Head, Reamer-Ø 60 mm
14	131-170/62	Acetabular Reamer Head, Reamer-Ø 62 mm
15	131-170/64	Acetabular Reamer Head, Reamer-Ø 64 mm
16	131-170/66	Acetabular Reamer Head, Reamer-Ø 66 mm
17	131-170/68	Acetabular Reamer Head, Reamer-Ø 68 mm
18	131-171B*	Shaft with Handle for acetabular reamer, 312 mm, fittings optional
	131-171/01	Handle for 131-171B - H

*How to order: 131-171E = with Jacobs Chuck fitting



B
Hudson




D
AO



E
Jacobs Chuck

Complementary Instrument Set for Inserter-Positioner

REF	Dismantling Ring	for Inserter/Positioner	
130-347/11	Head-Ø 22 mm	130-347/22	
130-347/12	Head-Ø 24 mm	130-347/24	
130-347/14	Head-Ø 28 mm	130-347/28	
130-347/15	Head-Ø 32 mm	130-347/32	
130-347/16	Head-Ø 36 mm	130-347/36	

X-ray Templates

X-ray Templates for LINK T.O.P. II Acetabular Cup System, cementless, 110 % actual size

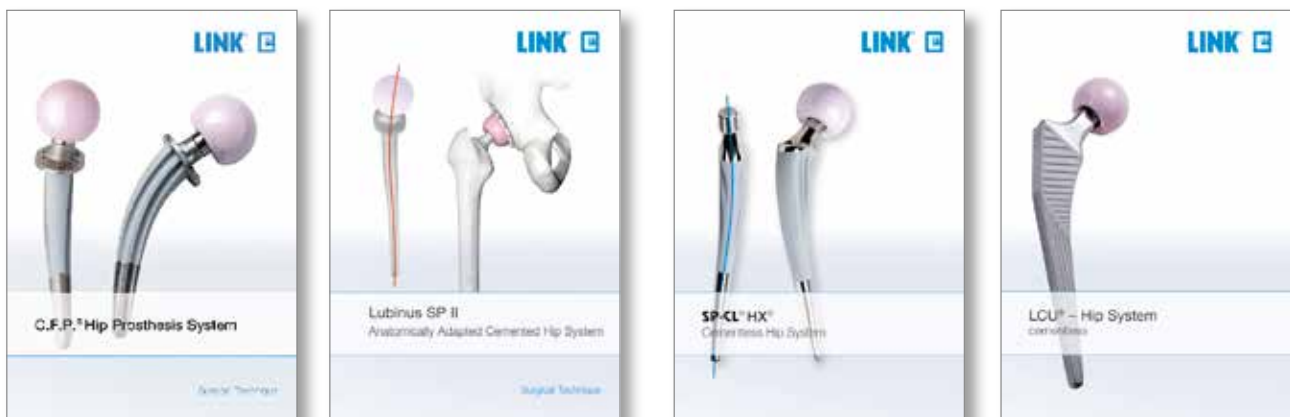
REF	X-ray Templates
290-254/11	for T.O.P. II X-ray Templates for shell

Instructions for Cleaning and Maintenance

Specific instructions for instruments are available on request from customer@linkhh.de

Literature

- 1 H. W. Buchholz (1969), "Das künstliche Hüftgelenk", Sonderdruck aus *Materia Medica Nordmark*, Nov. 1969, 21/11: 613-622.
- 2 Palm, L., Jacobsson, S., & Ivarsson, I. (2002). Hydroxyapatite coating improves 8- to 10-year performance of the link RS cementless femoral stem. *The Journal of Arthroplasty*, 17(2), pp. 172-175.
- 3 Yang, C. (2002). Effect of calcium phosphate surface coating on bone ingrowth onto porous-surfaced titanium alloy implants in rabbit tibiae. *Journal of Oral and Maxillofacial Surgery*, 60(4), pp. 422-425.



For more information please register for our LINK Media Library (linkorthopaedics.com)

T.O.P. II Acetabular Cup System
General Indications
Mobility-limiting diseases, fractures or defects which cannot be treated by conservative or osteosynthetic procedures
Indications
Primary and secondary osteoarthritis
Rheumatoid arthritis
Correction of functional deformities
Avascular necrosis
Femoral neck fractures
Revision after implant loosening dependent on bone mass and quality
Contraindications
Poor general state of health
Acute and chronic infections, local and systemic
Allergies to (implant) materials
Distinctive muscular-, nerve-, vascular or other diseases, which put the affected limb at risk
Insufficient/inadequate bone mass- or quality which prevents a stable anchor of the prosthesis

INFORMATION:

These indications/contraindications refer to standard cases. The ultimate decision on whether or not an implant is suitable for a patient must be made by the surgeon based on his/her individual analysis and his/her experience.

Please note the following regarding the use of our implants:

1. Choosing the right implant is very important.

The size and shape of the human bone determines the size and shape of the implant and also limits the load capacity. Implants are not designed to withstand unlimited physical stress. Demands should not exceed normal functional loads.

2. Correct handling of the implant is very important.

Under no circumstances should the shape of a finished implant be altered, as this shortens its life span. Our implants must not be combined with implants from other manufacturers. The instruments indicated in the Surgical Technique must be used to ensure safe implantation of the components.

3. Implants must not be reused.

Implants are supplied sterile and are intended for single use only. Used implants must not be used again.

4. After-treatment is also very important.

The patient must be informed of the limitations of the implant. The load capacity of an implant cannot compare with that of healthy bone!

5. Unless otherwise indicated, implants are supplied in sterile packaging.

Note the following conditions for storage of packaged implants:

- Avoid extreme or sudden changes in temperature.
- Sterile implants in their original, intact protective packaging may be stored in permanent buildings up until the "Use by" date indicated on the packaging.
- They must not be exposed to frost, dampness or direct sunlight, or mechanical damage.
- Implants may be stored in their original packaging for up to 5 years after the date of manufacture. The "Use by" date is indicated on the product label.
- Do not use an implant if the packaging is damaged.

6. Traceability is important.

Please use the documentation stickers provided to ensure traceability.

7. Further information on the material composition is available on request from the manufacturer.

Follow the instructions for use!

Waldemar Link GmbH & Co. KG, Hamburg

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