

Cemented Acetabular Cup System

Surgical Technique



€€ 0482

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



Cemented Acetabular Cup System

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Preoperative Planning

Good preoperative planning of the intervention is important in order to select the correct implant type and size, and the final position in the bone, according to the individual patient's anatomy. Before performing a hip arthroplasty, the surgeon should carefully assess the patient's clinical state and his/her level of physical activity.

In order to achieve an optimal outcome, the operation should be planned using suitable templates. The enlargement factor of the radiographs must correspond to the factor on the templates. The x-ray templates of the cemented acetabular cups are available in the standard ratio of 1.1:1.

The size of the implant must be selected on the basis of suitable, informative radiographs in the a.p. and lateral planes. Each radiograph should be at least large enough for the entire template to be applied. It is often useful to take a second radiograph of the joint that is not being replaced. Inadequate preoper-ative planning can lead to an incorrect choice of implant and/or incorrect implant positioning.

INFORMATION

Preoperative planning provides an initial guide for the final situation. It cannot, however, be regarded as conclusive evidence of the most suitable size of implant. The final decision can only be taken intraoperatively.

The desired outcome is always to achieve a resilient, stable acetabular fossa and a strong lateral bony covering.

The **inclination** of the cup should not be significantly greater or smaller than 45°.

The **anteversion** should not be significantly greater or smaller than 15°.

Placement outside of these limits will reduce the range of motion and may subsequently lead to subluxation and/or dislocation of the joint.



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All the cemented acetabular cups can be implanted via any standard approach for total hip arthroplasty, depending on the surgeon's level of experience (Fig. 1).





Reaming the acetabulum

Depending on which approach is used, the leg must be positioned so that the acetabulum is well exposed.

The size of the first reamer corresponds to the width of the cup entrance. Under normal anatomical conditions, the reamer is inserted at an angle of approx. 45° inclination and 15° anteversion (Fig. 2).

Then reamers are used with a successively larger diameter until regions of bloody cortical bone become visible, but without endangering the supporting structure for reliable anchoring of the cup. The reamer head must be kept absolutely steady.



Fig. 3



Determining the cup size

Once the acetabulum has been prepared, the Trial Cup is secured to the appropriate Acetabular Cup Applicator and Trial Cup Handle (Fig. 3) and inserted into the acetabulum (Fig. 4).

The purpose of the Trial Cup is to check the size and depth of the reamed joint cavity. In addition, it is possible to ensure that, for example, no osteophytes will obstruct the implant position later. As soon as these factors have been checked, the final decision on the size of cup can be taken.





Preparing the anchoring holes

Once the suitable cup components have been established, the anchoring holes are drilled with the Penetrating Drill, principally in the loading zone of the acetabulum (Fig. 5).

The depth of the anchoring holes is limited to 6 mm by the depth stop of the available drills. The diameter can be either 3.5 mm or 5.0 mm, depending on the requirement and the bone situation.

Implantation of the acetabular cup

The indicated outer diameter of the cup corresponds to the respective size of the implant body without spacer cams. The spacer cams are approx. 2 mm and define the cement mantle. This should be taken into account when selecting the reamer. Therefore, the reamer has be 4 mm larger than the desired outer diameter of the cup. For example for a cup size of 50 mm, a reamer diameter of 54 mm has

IP and Lubinus Cup

to be selected (Fig. 6).









The indicated outer diameter of the cup corresponds to the body diameter including spacer cams and circumferential equatorial flange (to achieve a cement compression). This should be taken into account when selecting the reamer. Thus, the outer diameter of the cup (for these cup types) corresponds to the respective reamer diameter. For example for a cup size of 50 mm, a reamer diameter of 50 mm has to be selected (Fig. 7).



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The appropriately selected cup is now connected to the Inserter-Positioner by pressing the lever on the Inserter-Positioner to the right (Fig. 8) and positioning the cup onto the Applicator Head by means of the two opposing holes at the entrance level of the cup (Fig. 9).

Fig. 9



Fig. 10

The lever is then moved to the left in order to lock the cup (Fig. 10). The cup is now firmly attached to the insertion instrument and can be placed into the cement bed.

INFORMATION:

The Applicator Head must be selected according to the inner diameter of the cup size that is being inserted. Detailed installation instructions for the complete Inserter-Positioner can be found on page 25.

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The eccentric cups (Lubinus and FAL) have a third hole as an aid to alignment (Fig. 11).

This third hole indicates the main load-bearing zone of the respective cup, and thus the cranial alignment. When the cup is positioned on the Applicator Head, the third hole should always point toward the half-moon-shaped recess. This enables correct positioning of the eccentric cups (Fig. 12).

In the case of the Endo-Model cup, the cup must be implanted so that the medioventral recess points toward the obturator foramen.

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Fig. 14

In order to set the 15° anteversion, a Positioning Guide (T) with pendulum (S) for inserter is available (T must be parallel to S) for patients in the supine position. If the patient is in the lateral position, move the Inserter-Positioner 15° toward ventral (Fig. 14).





Fig. 15



Any excess cement must be removed (Fig. 16). Once the cup is in the desired position, remove the Inserter-Positioner.

Fig. 16



Fig. 17

While the cement is hardening, hold the cup in position with the Cup Pusher. For this purpose, screw the correct Ball Head, according to the inner diameter of the cup, to the T-handle (Fig. 17). The Ball Head prevents any movement by the surgeon being transmitted to the implant.

While the cement is hardening, any additional excess cement must be removed.





Trial reduction

Following implantation of the cup, a trial reduction can be performed using the Trial Heads. This can be done either on the trial neck segments of the stem, or on the final stem implant. After performing the trial reduction, check the leg length, joint stability and range of motion (Fig. 18).



Final reduction

Once the final acetabular components have been implanted, the surgeon can proceed with implanting the femoral component. When the femoral component has also been implanted, final reduction of the hip can be performed, and the joint stability and range of motion can be checked (Fig. 19).

Fig. 19



Lubinus Cup – UHMWPE

MAT UHMWPE, X-ray marker: CoCrNiMoFe



With snap-fit

Without snap-fit



		With snap-fit		١	Without snap-fi	t
	Inner Ø	Inner Ø	Inner Ø	Inner Ø	Inner Ø	Inner Ø
	24 mm	28 mm	32 mm	24 mm	28 mm	32 mm
	Concentric	Eccentric	Eccentric	Concentric	Eccentric	Eccentric
Outer Ø mm	REF	REF	REF	REF	REF	REF
38	104-105			104-100		
44		101-102			101-122	
46		101-104	102-104		101-124	102-124
48		101-106	102-106		101-126	102-126
50		101-108	102-108		101-128	102-128
52		101-110	102-110		101-130	102-130
54		101-112	102-112		101-132	102-132
56		101-114	102-114		101-134	102-134
58		101-116	102-116		101-136	102-136
60		101-117	102-117		101-138	102-138
62		101-118	102-118		101-140	102-140
64		101-119	102-119		101-142	102-142

	With snap-fit	Without snap-fit	
	Inner Ø 28 mm	Inner Ø 28 mm	Inner Ø 32 mm
	Eccentric	Concentric	Concentric
Outer Ø mm	REF	REF	REF
44	120-260	99-0192/44	
46		99-0192/46	99-1021/46
48	120-265	99-0192/48	99-1021/48
50	120-270	99-0192/50	99-1021/50
52	120-275	99-0192/52	99-1021/52
54	120-280	99-0192/54	99-1021/54
56		99-0192/56	99-1021/56
58		99-0192/58	99-1021/58



Lubinus Cup -



Eccentric

MAT UHMWPE X-LINKed, X-ray marker: CoCrNiMoFe



Without snap-fit



		Without snap-fit		
	Inner Ø 28 mm	Inner Ø 32 mm	Inner Ø 36 mm	
Outer Ø mm	REF	REF	REF	
42	110-016/42			
44	110-016/44			
46	110-016/46	110-018/46		
48	110-016/48	110-018/48		
50	110-016/50	110-018/50	110-020/50	
52	110-016/52	110-018/52	110-020/52	
54	110-016/54	110-018/54	110-020/54	
56	110-016/56	110-018/56	110-020/56	
58	110-016/58	110-018/58	110-020/58	
60	110-016/60	110-018/60	110-020/60	
62	110-016/62	110-018/62	110-020/62	
64	110-016/64	110-018/64	110-020/64	
66	110-016/66	110-018/66	110-020/66	
68	110-016/68	110-018/68	110-020/68	

Dysplastic, Without snap-fit MAT UHMWPE X-LINKed, X-ray marker: CoCrNiMoFe

	Inner Ø 24 mm	
Outer Ø mm	REF	
38	110-012/38	
40	110-012/40	

The **Lubinus Cups** are made from UHMWPE or X-LINKed and are currently available in up to **16 outer diameters** from 38 to 68 mm (in 2 mm increments) and **4 inner diameters** (24, 28, 32 and 36 mm).







MAT UHMWPE, X-ray marker: CoCrNiMoFe





	Inner Ø 28 mm	Inner Ø 32 mm	
Outer Ø mm	REF	REF	
44	105-300		
46	105-305	105-205	
48	105-310	105-210	
50	105-315	105-215	
52	105-320	105-220	
54	105-325	105-225	
56	105-330	105-230	
58	105-335	105-235	
60	105-340	105-240	
62	105-345	105-245	
64	105-350	105-250	

	Inner Ø 28 mm		
Outer Ø mm	REF		
44	120-600		
48	120-610		
50	120-615		
52	120-620		
54	120-625		





MAT UHMWPE X-LINKed, X-ray marker: CoCrNiMoFe





	Inner Ø 28 mm	Inner Ø 32 mm	Inner Ø 36 mm
Outer Ø mm	REF	REF	REF
42	110-116/42		
44	110-116/44		
46	110-116/46	110-118/46	
48	110-116/48	110-118/48	
50	110-116/50	110-118/50	110-120/50
52	110-116/52	110-118/52	110-120/52
54	110-116/54	110-118/54	110-120/54
56	110-116/56	110-118/56	110-120/56
58	110-116/58	110-118/58	110-120/58
60	110-116/60	110-118/60	110-120/60
62	110-116/62	110-118/62	110-120/62
64	110-116/64	110-118/64	110-120/64
66	110-116/66	110-118/66	110-120/66
68	110-116/68	110-118/68	110-120/68





Anti-luxation

MAT UHMWPE, X-ray marker: CoCrNiMoFe





		Inner Ø 28 mm	Inner Ø 32 mm	
Outer Ø mm	Body Ø mm	Height mm	REF	REF
48	43	26	105-410/48	
50	45	27	105-410/50	105-415/50
52	47	28	105-410/52	105-415/52
54	49	29	105-410/54	105-415/54
56	51	30	105-410/56	105-415/56
58	53	31	105-410/58	105-415/58
60	55	32	105-410/60	105-415/60
62	57	33	105-410/62	105-415/62





Anti-luxation MAT UHMWPE X-LINKed, X-ray marker: CoCrNiMoFe





			Inner Ø 28 mm	Inner Ø 32 mm	Inner Ø 36 mm
Outer Ø mm	Body Ø mm	Height mm	REF	REF	REF
48	43	26	110-316/48		
50	45	27	110-316/50	110-318/50	
52	47	28	110-316/52	110-318/52	
54	49	29	110-316/54	110-318/54	110-320/54
56	51	30	110-316/56	110-318/56	110-320/56
58	53	31	110-316/58	110-318/58	110-320/58
60	55	32	110-316/60	110-318/60	110-320/60
62	57	33	110-316/62	110-318/62	110-320/62
64	59	34	110-316/64	110-318/64	110-320/64
66	61	35	110-316/66	110-318/66	110-320/66
68	63	36	110-316/68	110-318/68	110-320/68





T UHMWPE, X-ray marker: CoCrNiMoFe





			Inner Ø 28 mm	Inner Ø 32 mm
Outer Ø mm	Body Ø mm	Height mm	REF	REF
48	43	26	105-400/48	
50	45	27	105-400/50	105-405/50
52	47	28	105-400/52	105-405/52
54	49	29	105-400/54	105-405/54
56	51	30	105-400/56	105-405/56
58	53	31	105-400/58	105-405/58
60	55	32	105-400/60	105-405/60
62	57	33	105-400/62	105-405/62



Endo-Model Cup – UHMWPE

Standard MAT UHMWPE, X-ray marker: CoCrNiMoFe





			Inner Ø 28 mm	Inner Ø 32 mm
Outer Ø mm	Body Ø mm	Version	REF	REF
50	44	right	15-1005/44	
55	49	right	15-1005/49	15-1006/49
60	54	right	15-1005/54	15-1006/54
66	60	right	15-1005/60	15-1006/60
71	65	right	15-1005/65	15-1006/65
50	44	left	15-1019/44	
55	49	left	15-1019/49	15-1020/49
60	54	left	15-1019/54	15-1020/54
66	60	left	15-1019/60	15-1020/60
71	65	left	15-1019/65	15-1020/65



Endo-Model Cup - UHMWPE

Flanged Acetabular Cup MAT UHMWPE, X-ray marker: CoCrNiMoFe

Flanged Acetabular Cup



			Inner Ø 28 mm	Inner Ø 32 mm
Outer Ø mm	Body Ø mm	Version	REF	REF
55	44	right	15-1009/44	
60	49	right		15-1009/49
70	54	right		15-1009/54
55	44	left	15-1010/44	
60	49	left		15-1010/49
70	54	left		15-1010/54



Basic Instrument Set for Cemented Acetabular Cup System



	REF	Basic Instrument Set for Cemented Acetabular Cup System	
	132-170/24	in sterilizing container, 1 tray with storage rack, complete, for heads with diameters of 32 and 36 mm	1 set
	132-170/25	in sterilizing container, 1 tray with storage rack, complete, for heads with diameters of 28 and 32 mm	1 set
	05-2001/03	Standard container N11, $575 \times 275 \times 100$ mm (not illustrated)	
2	130-347/32	Inserter-Positioner for acetabular cups with fixation guide, 460 mm, Ø 32 mm	
10	10-5371	Screwdriver, size 1,5 mm, 180 mm	
9	64-1181/06	Screwdriver for closure of the pin	
6	131-601/02	Positioning guide with pendulum for inserter	
7	130-311/35B	Penetrating drill, 3,5 mm (fitting optional, see page 24)	
8	130-311/50B	Penetrating drill, 5,0 mm (fitting optional, see page 24)	

4 130-347/15 Dismantling ring, Ø 32 mm

	REF	for 132-170/25	REF	for 132-170/24
1	132-170/15	Tray, empty, 550 × 265 × 50 mm	132-170/20	Tray, empty, 550 × 265 × 50 mm
2	120 247/29	Inserter-Positioner for acetabular cups	120 247/26	Inserter-Positioner for acetabular cups
3	130-347720	with fixation g u ide, 460 mm, Ø 28 mm	130-347/30	with fixation g uide, 460 mm, Ø 36 mm
10	120 250/02	Replacement head for cup pusher	120 252/02	Replacement head for cup pusher
12	130-330/02	for 32 mm head Ø	130-352/02	for 36 mm head Ø
44	120.251	Acetabular Cup Pusher	120.250	Acetabular Cup Pusher
	130-351	for 28 mm head Ø	130-350	for 32 mm head Ø
5	120 247/14	Dismantling ring,	120 247/16	Dismantling ring,
5	130-347/14	Ø 28 mm	130-347/10	Ø 36 mm





Additional Instrument Set for Lubinus/IP Cups

REF	Additional Instrument Set for Lubinus/IP Cups
132-170/28	in standard container N11, 1 tray with storage rack, complete, 1 set

	05-2001/03	Standard container N1	11, 57	5 × 275 × 100 mm			
1	132-170/18	Tray, empty, 550 × 265	5 × 50	mm			
Lubi	nus/IP Trial Cups						
	REF Outer Ø mm REF Outer Ø mm						
2	130-345/68	68	10	130-345/52	52		
3	130-345/66	66	11	130-345/50	50		
4	130-345/64	64	12	130-345/48	48		
5	130-345/62	62	13	130-345/46	46		
6	130-345/60	60	14	130-345/44	44		
7	130-345/58	58	15	130-345/42	42		
8	130-345/56	56		130-345/40*	40		
9	130-345/54	54		130-345/38*	38		
16	130-860/01	Acetabular cup applic	ator a	nd trial cup handle			



W d FAL Kunststoff-I Cupe [1/10]

REF	Additional Instrument Set for FC/FAL Cups
132-170/29	in standard container N11, 1 tray with storage rack, complete, 1 set

	05-2001/03	Standard container N1	11, 57	5 × 275 × 100 mm	
1	132-170/19	Tray, empty, 550 × 265	5 × 50	mm	
		·			
FC/F	AL Trial Cups				
	REF	Outer Ø mm		REF	Outer Ø mm
2	130-340/48	48	8	130-340/60	60
3	130-340/50	50	9	130-340/62	62
4	130-340/52	52	10	130-340/64	64
5	130-340/54	54	11	130-340/66	66
6	130-340/56	56	12	130-340/68	68
7	130-340/58	58			
13	130-860/01	Acetabular cup applic	ator a	and trial cup handle	

Additional Instrument Set for FC/FAL Cups



131-900/10 Additional Instrument Set



	05-2001/03	Standard container N11, 575 × 275 × 100 mm (not illustrated)
1	131-901/11	Tray, empty , 550 × 265 × 50 mm
2	130-150	Head Extractor, L=270 mm
3	131-170/46	Acetabular Reamer Head, reamer Ø 46 mm
4	131-170/48	Acetabular Reamer Head, reamer Ø 48 mm
5	131-170/50	Acetabular Reamer Head, reamer Ø 50 mm
6	131-170/52	Acetabular Reamer Head, reamer Ø 52 mm
7	131-170/54	Acetabular Reamer Head, reamer Ø 54 mm
8	131-170/56	Acetabular Reamer Head, reamer Ø 56 mm
9	131-170/58	Acetabular Reamer Head, reamer Ø 58 mm
10	131-171E	Shaft with Handle for Acetabular Reamer, fitting Jakobs-Chuck E
11	130-860/01	Acetabular Cup Applicator and Trial Cup Handle, angled
12	130-328	Applicator Head, Ø 28 mm
13	130-350/05	T-handle only, for cup pusher 130-350 and 130-351
14	130-350/02	Replacement Head, Inner Ø 32 mm, for cup pusher 130-350





	05-2001/03	Standard container N11, 575 × 275 × 100 mm (not illustrated)
1	131-901/11	Tray, empty , 550 × 265 × 50 mm
2	130-150	Head Extractor, L=270 mm
3	131-170/46	Acetabular Reamer Head, reamer Ø 46 mm
4	131-170/48	Acetabular Reamer Head, reamer Ø 48 mm
5	131-170/50	Acetabular Reamer Head, reamer Ø 50 mm
6	131-170/52	Acetabular Reamer Head, reamer Ø 52 mm
7	131-170/54	Acetabular Reamer Head, reamer Ø 54 mm
8	131-170/56	Acetabular Reamer Head, reamer Ø 56 mm
9	131-170/58	Acetabular Reamer Head, reamer Ø 58 mm
10	131-171E	Shaft with Handle for Acetabular Reamer, fitting Jakobs-Chuck E
11	130-860/01	Acetabular Cup Applicator and Trial Cup Handle, angled
12	130-338	Applicator Head, Ø 28 mm for IP Cup
13	130-340	Applicator Head, Ø 32 mm for IP Cup
14	130-328	Applicator Head, Ø 28 mm
15	130-330	Applicator Head, Ø 32 mm
16	130-345/44	Trial Cup, Ø 44 mm for Lubinus/IP
17	130-345/48	Trial Cup, Ø 48 mm for Lubinus/IP
18	130-345/50	Trial Cup, Ø 50 mm for Lubinus/IP
19	130-345/52	Trial Cup, Ø 52 mm for Lubinus/IP
20	130-345/54	Trial Cup, Ø 54 mm for Lubinus/IP
21	130-350/05	T-handle only, for cup pusher 130-350 and 130-351
22	130-350/02	Replacement Head, Inner Ø 32 mm, for cup pusher 130-350

131-900/11 Additional Instrument Set





132-260/01 Additional Instrument Set for LINK Acetabular Reamer

1	132-260/10	Instrument trav empty
2	131-170/38	Acetabular Beamer 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	131-170/70*	Acetabular Reamer Head, reamer Ø 70 mm
19	131-170/72*	Acetabular Reamer Head, reamer Ø 72 mm
20	131-171B**	Shaft with Handle for Acetabular Reamer, 312 mm, fitting optional
	131-171/01	Handle for 131-171B - E

* On request (not included in set 132-260/01) ** Order information: 131-171E = with Jacobs Chuck

В	D	E
Hudson	AO	Jacobs Chuck



Additional Instrument Set for Endo-Model Cups



130-860/01	Acetabular cup applicato	or and trial cup handle
	Endo-Model Trial Cups	
REF	Body Ø mm	Outer Ø mm
15-1109/44	44	44
15-1109/49	49	49
15-1109/54	54	54
15-1109/60	60	60
15-1109/65	65	65

General Instruments for Implantation of Hip Prostheses

(not included in instrument set)

Thabe Acetabulum Excision Forceps, 240 mm

REF	Version
130-309/01	straight
130-309/02	curved

Like a rongeur, this forceps features a sharp spoon-like tip and sharp teeth at the front of the working end. It is used to grasp tough tissue and is particularly suitable for excising capsular tissue from the acetabulum.



Instruments



130-160

Lubinus Steinmann Pin

with impact head and extraction hole Ø 5 mm, 185 mm

For use as a self-retaining retractor, one pin is driven into the ischium and another approximately 2 cm above the cranial rim of the acetabulum.

For extraction, a second pin is inserted through the hole in the impact head. The impacted pin is then easy to remove again by turning it.

Penetrating Drill

with depth stop, 150 mm optional fittings

REF	Drill-Ø/mm
130-311/35	3,5
130-311/50	5,0

Please specify required fitting: B Hudson, D AO, E Jacobs Chuck

Order information: 130-311/35D = with AO fitting

Acetabular Cup Pusher

with T-handle, 260 mm

REF	for Acetabular Cups
130-350	Inner Ø 32 mm
130-351	Inner Ø 28 mm
130-352/01	Inner Ø 36 mm

REF	Replacement Head
130-350/02	for 130-350
130-351/02	for 130-351
130-352/02	for 130-352/01

130-350/05

T-handle only, for cup pusher 130-350, 130-351 and 130-350/01



Hudson

Jacobs Chuck





Additional Instruments

130-342 Applicator Head Stainless Steel, Ø36 mm



130-332 Applicator Head Stainless Steel, Ø36 mm



130-336 Applicator Head

Stainless Steel, Ø24 mm



130-860/02

Acetabular Cup Applicator and Trial Cup Handle, Stainless Steel, angled





Cleaning and Maintenance Instructions

Specific instructions for the instrument sets are available on request: E-mail customer@linkhh.de

130-347/32 Cleaning Instructions for Inserter-Positioner





X-ray Templates

REF	X-ray templates for Cemented Acetabular Cups, 110% actual size	UHMWPE
130-930/01	for Lubinus Cups, Head Ø 28 and 32 mm, 1 set of 2 sheets	
130-931/01	for IP Cups, Head Ø 28 and 32 mm, 1 set of 2 sheets	
130-982/01	for FC Cups, Head Ø 28 and 32 mm, 1 set of 1 sheet	
130-983/01	for FAL Cups, Head Ø 28 and 32 mm, 1 set of 1 sheet	
15-1666	for Endo-Model Cups, Head Ø 28 and 32 mm, 1 set of 1 sheet	

REF	X-ray templates for Cemented Acetabular Cups, 110% actual size	X-LINKed
130-930/02	for Lubinus Cups, Head Ø 24, 28, 32 and 36 mm, 1 set of 2 sheets	
130-931/02	for IP Cups, Head Ø 28, 32 and 36 mm, 1 set of 2 sheets	
130-983/02	for FAL Cups, Head Ø 28, 32 and 36 mm, 1 set of 2 sheets	

Literature



Literature





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



Stated indications and contraindications: Cemented Acetabular Cup System

General indications

Mobility-limiting diseases, fractures or defects of the hip joint or proximal femur 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

Acute and chronic infections, local and systemic, insofar as they may compromise the successful implantation of a total hip prosthesis

Allergies to (implant) materials

Insufficient / inadequate bone mass- or quality which prevents a stable anchorage of the prosthesis.

INFORMATION:

The above indications and contraindications are based on standard cases. The final decision regarding an implant must be made by the surgeon for each patient on the basis of the surgeon's individual analysis and 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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The Surgical Technique described has been written to the best of our knowledge and belief, but it does not relieve the surgeon of his/her responsibility to duly consider the particularities of each individual case.

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