



GRUPPO
BIOIMPIANTI

Enjoy Mobility

FIN CUPS SYSTEM

OPERATING TECHNIQUE



FIN CUPS SYSTEM

OPERATING TECHNIQUE

The FIN II cup was designed in 1992 to offer a highly versatile solution with a wide choice of inserts and heads.

The range has been enriched over the years to meet the specific needs of the surgeon.

The system has grown and now includes five cups with specific features and indications.

These cups are compatible with the system's inserts and share the same surgical procedure and instrument kit.





INDICATIONS

The indications are tied to hip pathologies that require an arthroplasty to reduce or eliminate pain and/or improve joint function. The general guidelines are: Non-inflammatory degenerative joint disease such as primary or secondary osteoarthritis; Aseptic necrosis of the femoral head; Rheumatoid Arthritis; Post traumatic Arthritis; Correction of functional deformity; Outcomes of fractures of the femoral neck; Outcomes of traumatic dislocations of the hip; Failures of osteotomy; Outcomes of arthrodesis.

The FIN II, FIN MB and FIN DMD cups are indicated for cases of primary total arthroplasty to reduce or eliminate pain and/or improve hip functionality. The specific clinical indications are as follows: non inflammatory degenerative articular pathologies, such as primary or secondary osteoarthritis; aseptic necrosis of the femur; rheumatoid arthritis; post-traumatic arthritis; functional deformity corrections; hip dysplasia; results of femur neck fracture; results of traumatic hip dislocation; failed osteotomy; results of arthrodesis.

The FIN II, FIN MB and FIN DMD cups are recommended for uncemented use because of their porous 3-dimensional surface structure.

The FIN DMD Multihole cup is indicated for total hip replacement revisions necessitated by the following conditions: mechanical failure of the primary prosthesis; instability of the primary prosthesis; periprosthetic fracture of hip; wear/osteolysis of the acetabular insert; aseptic mobilization; deep infection. The FIN DMD Multihole cup is recommended for uncemented use because of its porous 3-dimensional surface structure.

Dual mobility for FIN CUPS SYSTEM cups (FIN II, FIN II HA, FIN MB, FIN DMD, FIN DMD Multihole REV): the use of CrCo inners and XLPE mobile inserts for dual mobility compatible with the FIN CUPS SYSTEM, is indicated for patients with high risk of dislocation or not collaborating, or in case of revision of the insert in a well osseintegrated cup.

Acetabular Wedges for FIN DMD System are indicated in cases of superior and superior/posterior segmental acetabular deficiencies.

The wedges are indicated for cemented fixation, through the bone cement, on the wedge/cup interface and for cementless fixation on wedge/remained acetabular bone interface. Cementless fixation of the wedge/remained acetabular bone interface occurs through press-fit and with the use of 6.5mm screws.

CONTRAINDICATIONS

The hip joint surgery is specifically contraindicated in cases of: systemic or local infection, sepsis, and osteomyelitis. It is relatively contraindicated in case of: osteoporosis; patient being uncooperative or suffering from neurological disorders, unable to follow directions; systemic disorders and / or metabolic problems that lead to a progressive deterioration of bone support; neurological or neuromuscular disorders that could create an unacceptable risk to the prostheses instability or lead to a failure of prostheses fixation; osteomalacia; active infection or suspected latent infection in the hip joint; distant focus of infection that could spread to the implant site; persistent acute or chronic osteomyelitis; vascular insufficiency, muscular atrophy, neuromuscular diseases; incomplete or insufficient presence of soft tissue around the hip joint; obesity; inadequate bone stock for the prostheses support or fixation; skeletal immaturity; local or disseminated neoplastic diseases; non treatable severe deformities.

MATERIALS

- FIN II: Uncemented cup made of Titanium alloy Ti6Al4V grade 5 ELI (ISO 5832-3), with a Ti-Growth C[®] titanium Plasma Spray external coating.
- FIN II HA: Uncemented cup made of Titanium alloy Ti6Al4V grade 5 ELI (ISO 5832-3), with a a Ti-Growth C[®] titanium Plasma Spray and hydroxyapatite HA external coating
- FIN MB: Uncemented cup made of Titanium alloy Ti6Al4V grade 5 ELI (ISO 5832-3), with a Titanium Y 367 external coating
- FIN DMD: Uncemented cup, made of Titanium alloy Titanium Ti6Al4V ELI (ASTM F3001) by Additive Manufacturing
- FIN DMD MULTIHOLE: Uncemented cup, made of Titanium alloy Ti6Al4V ELI (ASTM F3001) by Additive Manufacturing
- Acetabular WEDGE: Titanium alloy Ti6Al4V ELI (ASTM F3001) by Additive Manufacturing.

Inserts

UHMWPE: Ultra High Molecular Weight Polyethylene UHMWPE ISO 5834/2; Cross-linked Ultra High Molecular Weight Polyethylene UHMWPE with or without addition of Vitamin E; ZTA and BILOX DELTA Ceramic (ISO 6474-2); CrCoMo alloy (ISO 5832-12).

FIN CUPS SYSTEM

OPERATING TECHNIQUE

1 Pre-operative assessment

Pre-operative assessment of the size and positioning of the acetabular component will facilitate the definition of the direction of reaming.

A bilateral X-ray of the pelvis will help gauge the length of the limb, which has to be determined pre-operatively and then corrected. The pre-operative templates of the FIN CUPS SYSTEM are provided in a 115% format.

- Using a radiographic reference may help determine the enlargement of the patient's X-ray.
- Choosing a size cup by pre-operative assessment is an approximate method. The definitive size will be determined intra-operatively.

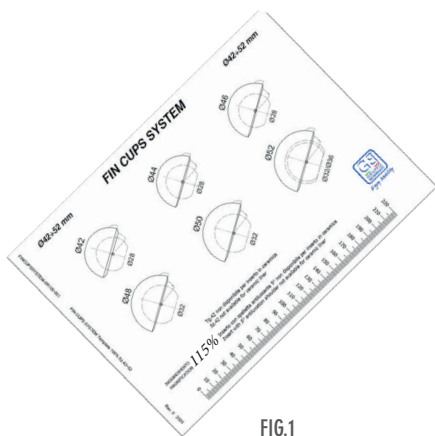


FIG.1

2 Preparing the acetabulum

Ream the acetabulum starting with the smallest reamer suitable for the cavity (Ref. 110384042* ÷ 110384062; 110384064* ÷ 110384072*) (Fig.2).

Gradually widen the acetabulum by incrementally reaming the articular cartilage until reaching the cancellous bone.

3 Measuring with the trial cup

Assemble the desired adaptor for the Impactor (Ref. 10380344; 110380352; 110380360) to the impactor (Ref. 110380420).

Thread the assembly to the Trial Cup (Ref. 110381642N* ÷ 110381662N; 110381664N* ÷ 110381672N*) as previously determined by the last acetabular reamer used. (Fig.3)

The trial cup has six slots to verify that the housing of the cup has been correctly prepared and is congruous with respect to the bone. (Fig.4)

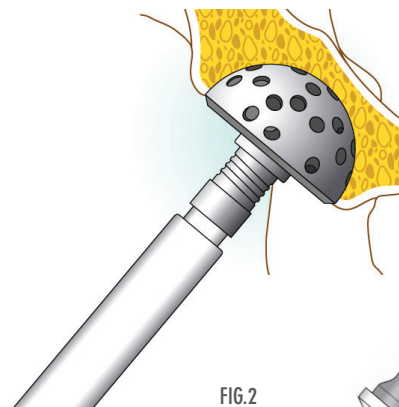


FIG.2

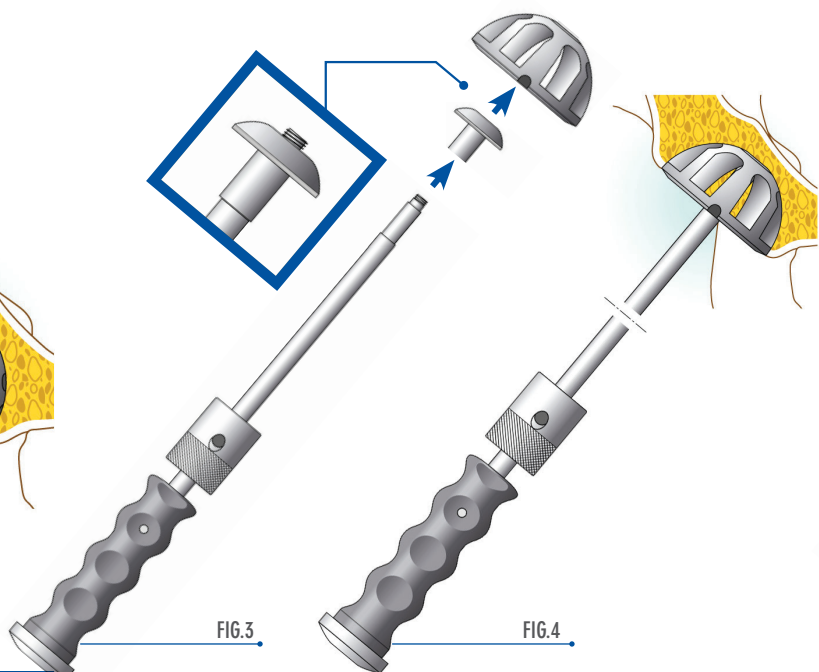


FIG.3

FIG.4

4 Assemble the impactor with chosen cup size

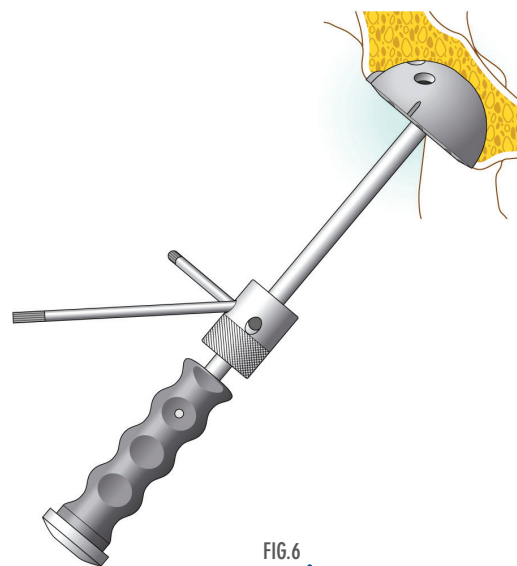
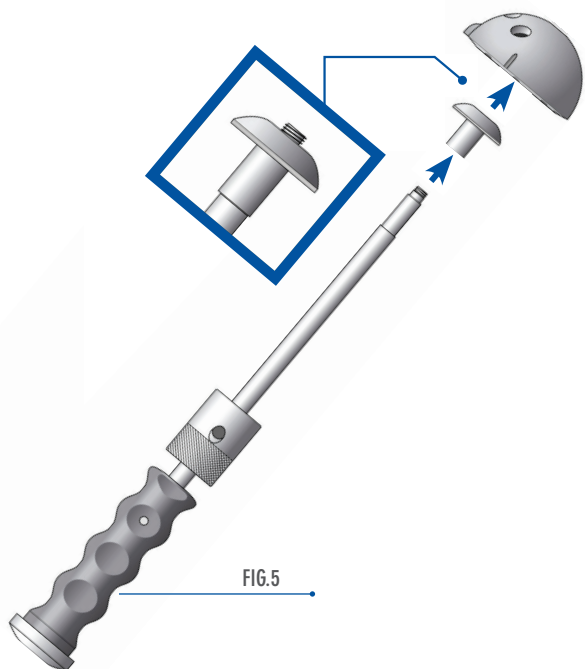
Insert the Adaptor for Impactor (Ref. 110380344; 110380352; 110380360) of the desired size in the Impactor (Ref. 110380420). (Fig.5)
Once assembled, attach the cup to be implanted to the impactor.

5 Inserting the final cup

Place the final cup in the acetabulum and impact until stable fixation is achieved. The cup should be positioned close to 45°.

NB: In the case of a Fin II cup implant, position the 3 fins in the upper quadrant (polar) of the acetabulum.

The removable rods M4 (Ref. 110380426) and M5 (Ref. 110380427) on the impactor aid orientation: the 45° rod must stay perpendicular to the horizontal plane, the 12° one parallel to the acetabulum. (Fig.6)



FIN CUPS SYSTEM

OPTION STANDARD INSERT

PHASES 1÷5 ARE THE SAME OF COMMON OPERATING
TECHNIQUE

6a Inserting standard trial insert

Having removed the impactor and implanted the cup manually place the Trial Insert (Ref. 110381642N* ÷ 110381662N; 110381664N* ÷ 110381672N*), in the cup's conical cavity and secure it with the assembled screw and screwdriver (Ref. 110381680). (Fig.7)
Avoid impacting the trial insert to allow easier removal.

CONTINUE WITH THE COMMON OPERATING TECHNIQUE FROM STEP: 7.

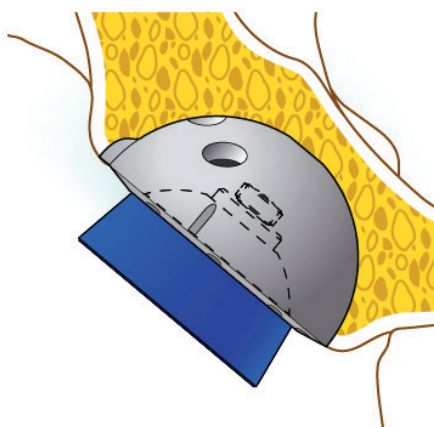


FIG.7

OPTION DOUBLE MOBILITY INSERT

PHASES 1÷5 ARE THE SAME OF COMMON OPERATING
TECHNIQUE

6b Inserting double mobility trial insert

Having removed the impactor and implanted the cup, the trial reduction can be performed. In case of implantation of the CrCo trial insert (Ref. 110386548 ÷ 110386560), apply the Trial Insert, placing it manually in the conical cavity of the cup. (Fig. 8)
Avoid impacting the trial insert to allow easier removal.

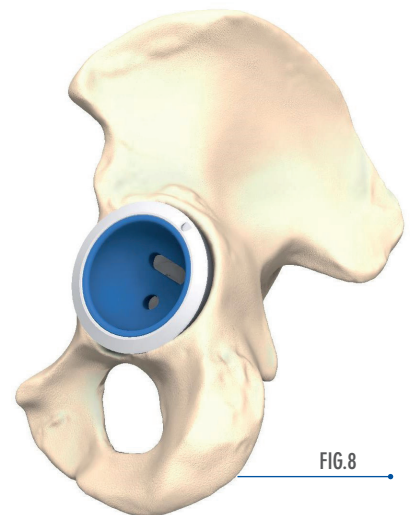


FIG.8



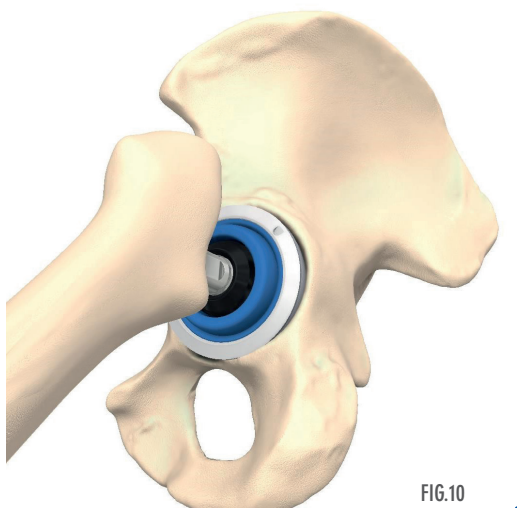
FIG.9

Trial reduction

Choose the trial head (Ref. 22.2mm: 110381020 ÷ 110381040, Ref. 28mm: 110380860* ÷ 110380890*) and the XLPE trial insert (Ref. 110386648 ÷ 110386660) of the appropriate diameter for the trial CrCo insert (Ref. 110386648 ÷ 110386560). (Fig.9) Position the assembly on the definitive femoral stem and reduce the joint using the Pusher device (Ref. 110433005) mounted on the impactor (Ref. 1103810640) (Fig.10).

CONTINUE WITH THE COMMON OPERATING TECHNIQUE FROM STEP: 7.

FIN CUPS	CRCO TRIAL INSERT	DOUBLE MOBILITY XLPE TRIAL INSERT	TRIAL HEAD DIAM.
48mm	110386548	110386648	22.2mm
50mm			
52mm	110386552	110386652	28mm
54mm			
56mm	110386556	110386656	28mm
58mm			
60mm ÷ 72mm	110386560	110386660	28mm



7

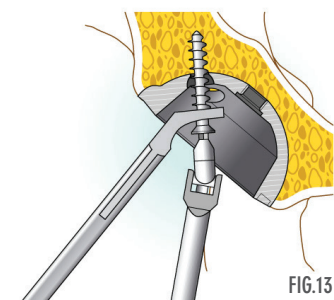
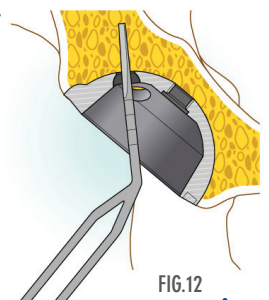
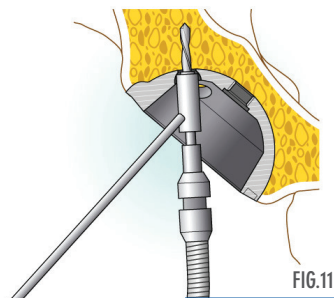
Positioning the screws

Having removed the trial insert, screw the Apex Plug into the central hole in the cup using the Screwdriver (Ref. 110381680).

The screw holes in the cup are closed by screw hole plugs, which can be removed when necessary.

Place the Drill Guide (Ref. 110388701) in the screw seat and drill with the ø 3.2 mm Bit (Ref. L. 56mm 110388772; Ref. L. 70mm 110388771) previously mounted on the Flexible shaft (Ref. 110388760). If requested by the client, the ø 4.5 mm Drill Bit (Ref. L. 56 mm 110388773) is also provided. (Fig.11)

Determine the length of the screws with Depth Gauge (Ref. 110388730), (Fig.12) pick up the chosen screw with Screw Holder Forceps (Ref. 110381681) and use UJ screwdriver (Ref. 110010112) to insert the screw. (Fig.13)



FIN CUPS SYSTEM

OPTION STANDARD INSERT

8a

Positioning the final standard insert

Carefully clean the taper inside the metal cup, making sure there are no particles of soft tissue which may get between cup and insert.

To place the final insert (ceramic or polyethylene), place the suction cup (Ref. 110380419) on the suction cup holder (Ref. 110380418). (Fig.14)

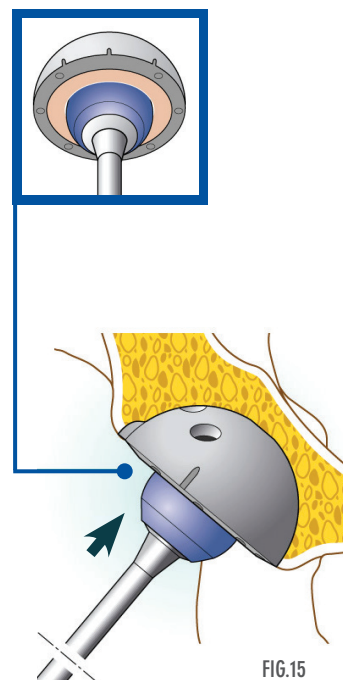
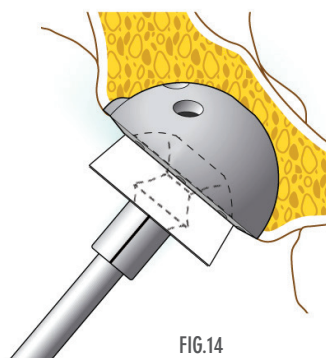
Mount on conical impactor (Ref. 110380420).

Once the insert is touching the taper, tap it lightly with the Insert Impactor (Ref. 110388630) using the 28mm, 32mm or 36mm heads (Ref. 110388635; 110388636; 100388637), depending on the chosen insert. (Fig.15)

When positioning a polyethylene liner with an anti-luxation shoulder, match the reference on the edge of the shoulder with the marking on the body of the impactor, in order to obtain the orientation chosen with the trial.

Definitive standard implant reduction

In the case of a standard insert implant: assemble the final head on the neck of the stem, using the impactor (Ref. 110380420) and the impactor adapter (Ref. 110433005), then reduce the joint.



DOUBLE MOBILITY INSERT OPTION

8b

Positioning the final CrCo insert

Once the trial reduction has been completed, proceed with the implantation of the definitive CrCo insert.

Carefully clean the taper inside the metal cup, making sure there are no particles of soft tissue which may get between cup and CrCo insert.

Ensure that all screws have been correctly counter-sunk and make sure that the shoulder for extraction of CrCo insert is in a position that, in case of future extraction, facilitates its caught.

To place the final insert, place the suction cup (Ref. 110380419) on the suction cup holder (Ref. 110380418). (Fig.16)

Mount on the impactor, the CrCo insert impactor (Ref. 110386537 ÷ 110386540) of the size of the final CrCo insert, and tap to ensure that there are no movements between the insert and the cup. (Fig.17)
NB: Be careful not to damage the mirror-polished internal surface of the CrCo insert during its implantation.

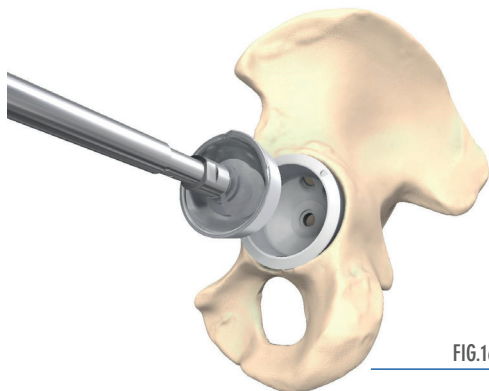


FIG.16

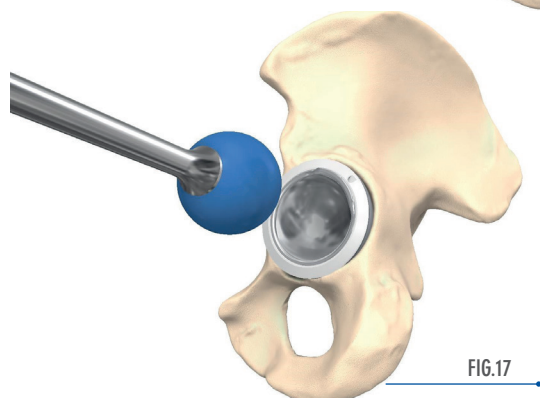


FIG.17

Head - XLPE insert assembly

Assemble the femoral head and the polyethylene insert (Ref. XLPE 110367948 ÷ 110367960; Ref. XLPE + Vit E 110368148 ÷ 110368160) using the press (Ref. 110433007).

Fully open the press.

Lock the pin, position the head and the insert at the base of the press and use the trigger to operate the pusher piston until you hear the head click into place. (Fig.18 and 19)



FIG.18



FIG.19

FIN CUPS SYSTEM

DOUBLE MOBILITY INSERT OPTION

9b

Definitive double mobility insert reduction

In the case of a CrCo insert and double mobility insert implant: insert the polyethylene head-insert assembly on the neck of the femoral stem using the pusher insert (Ref. 110433005) (Fig.20) and reduce the joint.

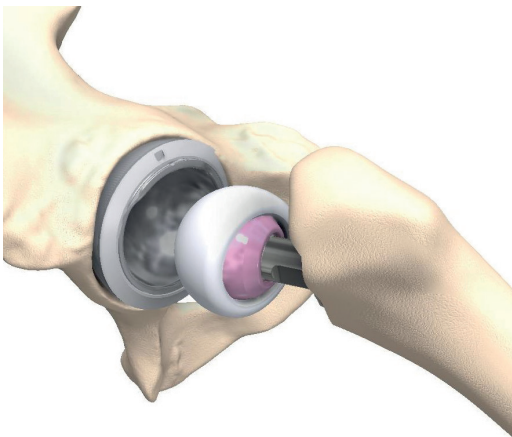


FIG.20

CrCo insert extraction

In the event that it is necessary to extract the CrCo insert, use the extraction forceps (Ref. 110386680) on the shoulder for extraction (Fig.21).

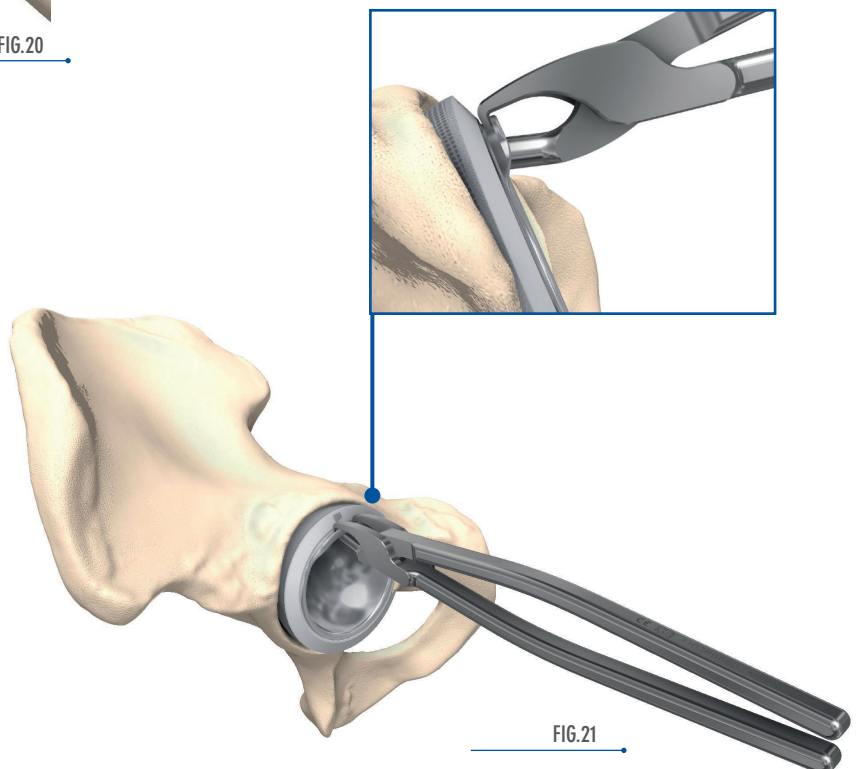


FIG.21

ACETABULAR WEDGE WITH FIN DMD AND FIN DMD MULTIHOLE OPTION

10 Pre-operative planning and X-ray assessments

Pre-operative planning is strongly recommended for the purpose of correctly restoring the centre of rotation. This can be achieved by measuring the size of the existing prosthesis, which has to be removed, to determine the optimum dimensions for the cup and wedge to implant.

X-ray assessment and correct pre-operative planning are based on anterior-posterior (A/P) and mediolateral (M/L) X-rays. In cases where the acetabulum is compromised, a full pelvic X-ray has to be made to evaluate the biomechanical requisites of the reconstruction.

Position the template of the cup over the A/P X-ray aligning the surface of the acetabular shell with the subchondral bone and trying to position the centre of the head in the appropriate position.

On the basis of the pre-operative X-rays and any CT scans, the surgeon must assess the acetabular region and decide whether a supplementary fixation needs to be made.

This decision may also be made during the operation.

The orientation of the wedge may be determined through assessment of the bone deficit and optimal congruity with the acetabular bone, using the supplied templates.

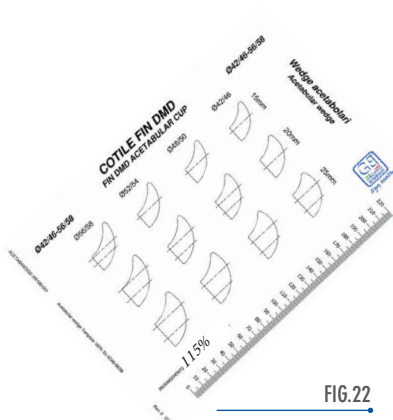


FIG.22

11 Preparation of the area affected by bone deficit

If the surgeon decides an acetabular wedge needs to be used, it's vitally important to prepare the area affected by bone deficit prior to positioning the wedge.

The area must be cleared of any soft tissue so that the wedge may come into direct contact with the bone.

Removal or modelling of bone must be kept to a minimum so that as much of the surface of the available host bone as possible may be used.

To prepare the surface for the acetabular wedge, use one of the acetabular reamers (Ref. 110384042* ÷ 110384062; 110384064 ÷ 110384072). (Fig.23).

The wedge must be fixed to the host bone in a position where it can achieve maximum contact with the acetabular shell. The wedge itself can be used to help provide supplementary support in the zones of the acetabular wall affected by bone deficit.

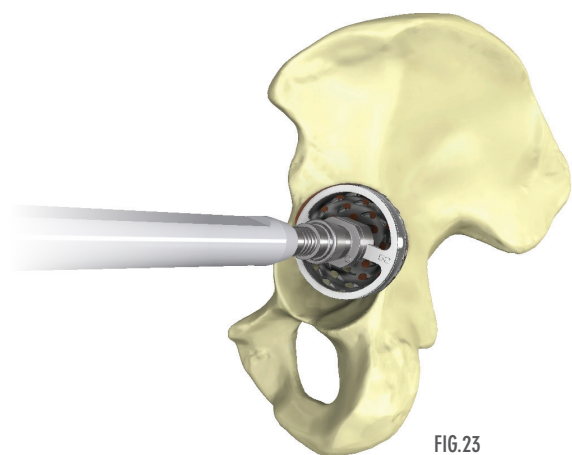


FIG.23

FIN CUPS SYSTEM

ACETABULAR WEDGE OPTION

12

Insertion and assessment of the trial wedge

In the acetabulum, position the trial cup (Ref. 110381642* ÷ 110381662; 110381664* ÷ 110381672*), having the same diameter as that of the last acetabular reamer used (Fig.24).

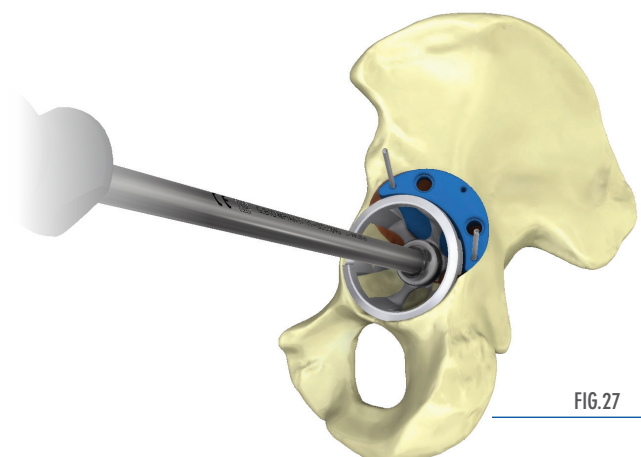
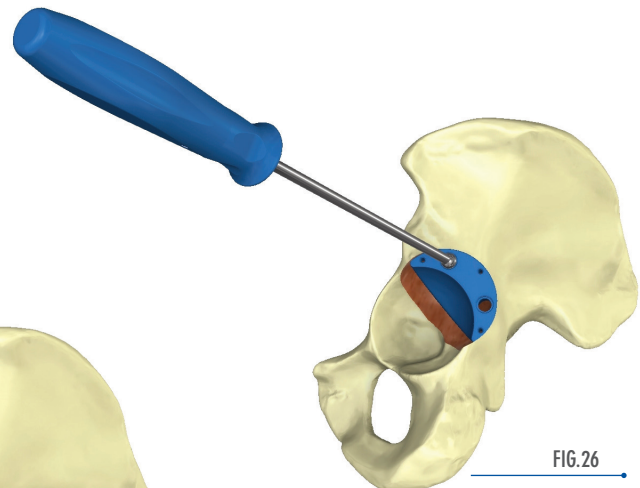
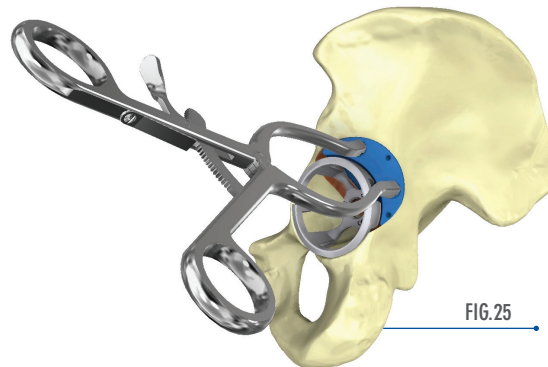
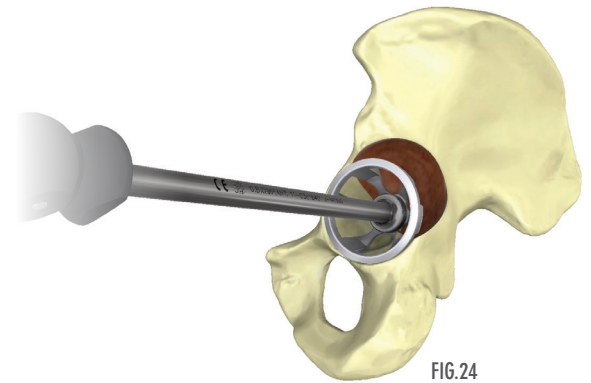
Select the trial wedge (Ref. 110383044 ÷ 110383268) that provides maximum contact with the trial cup placed in the acetabulum and that fits best with the bone deficit.

The trial wedge must be positioned using the wedge holder forceps (Ref. 110383280) (Fig.25) and held in place during the assessment by the positioner instrument (Ref. 110383285) (Fig. 26).

To fix the trial wedge, use Kirschner wires, with 1,8mm maximum diameters, which must be inserted through the smallest holes on each component (Fig. 27).

Important: The bigger holes on the trial wedge are for the positioner instrument (Ref. 110383285) and also provide a visual indication of the position of the screws once the definitive wedge is inserted.

To avoid the risk of causing wear on the plastic components, don't put any screws in the holes on the trial wedge.



13 Definitive wedge implant

Leave the Kirschner wires in the holes in the trial wedge, remove the trial wedge and use the same Kirschner wires to position the definitive wedge (Ref. 110356142* ÷ 110356368) (Fig.28).

To position the definitive wedge use the wedge holder forceps (Ref. 110383280).

If Kirschner wires were not used in the previous phase, position the definitive wedge, again with the wedge holder forceps (Ref. 110383280), then keep the wedge in place with the positioner instrument (Ref. 110383285) (Fig.29) and insert Kirschner wires, with 1,8mm maximum diameter, in the smallest holes on the definitive wedge.

Proceed with the drilling of holes for the screws using the drill bit (Ref. 110388771; 110388772) and relative drill guide (Ref. 110388701).

Clean the surface of the definitive wedge and insert the screws (Ref. 110364620 ÷ 110364650) (Fig.30).

Use a sufficient number of screws to achieve correct fixation of the wedge.

To provide sufficient mechanical support to the cup, the acetabular wedge must be absolutely stable against the host bone.

After the definitive wedge has been securely fixated, remove the Kirschner wires.

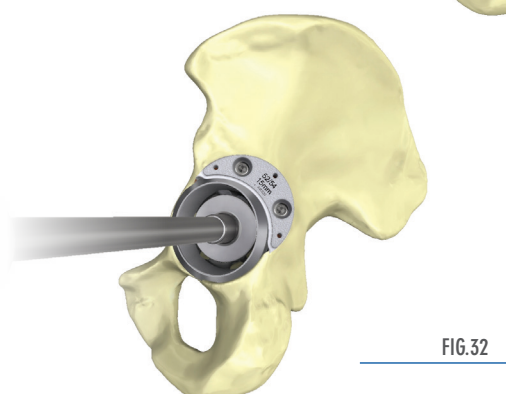
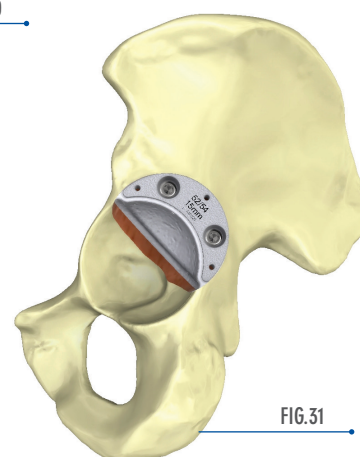
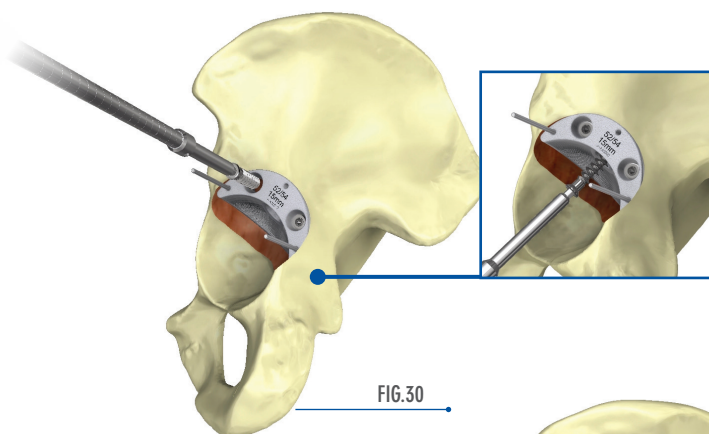
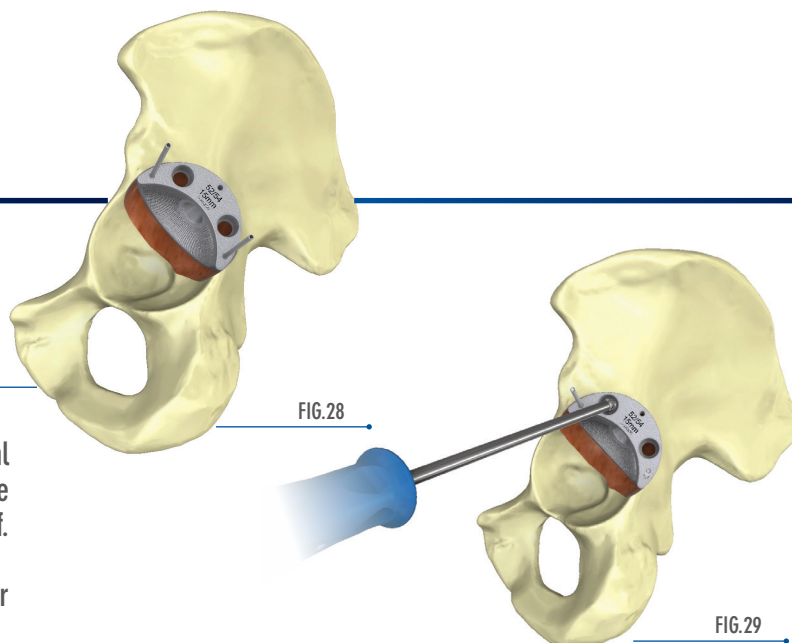
Wedge/cup fixation must be carried out **EXCLUSIVELY** with bone cement and without screws between the two components (cup and wedge).

Apply an adequate layer of cement to the entire surface of the wedge/cup (Fig.31).

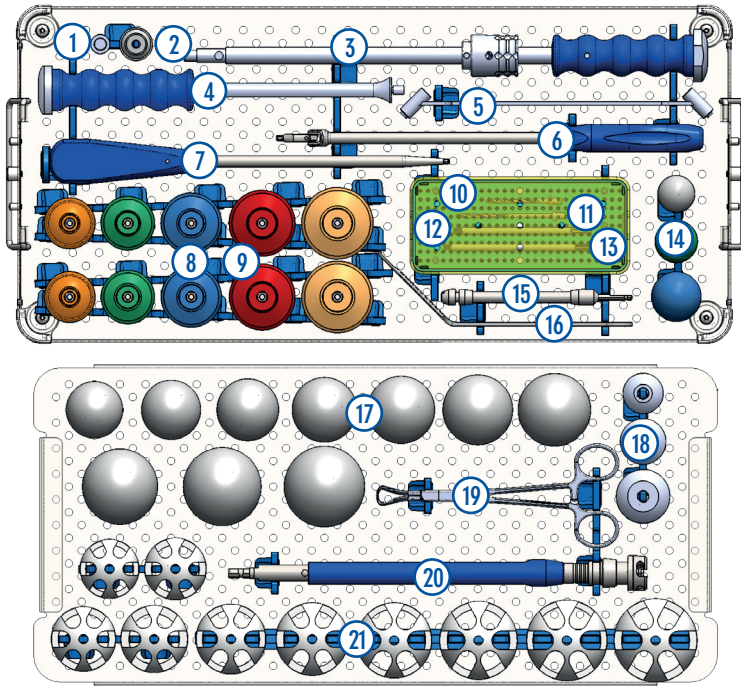
Insert the cup in the desired position and keep it there using the impactor (Ref. 110380420) with the appropriate adaptors (Ref. 110380344; 110380352; 110380360).

Then anchor the cup to the bone by impacting it (Fig. 32).

Wait until the cement has fully catalyzed, then remove the excess cement.



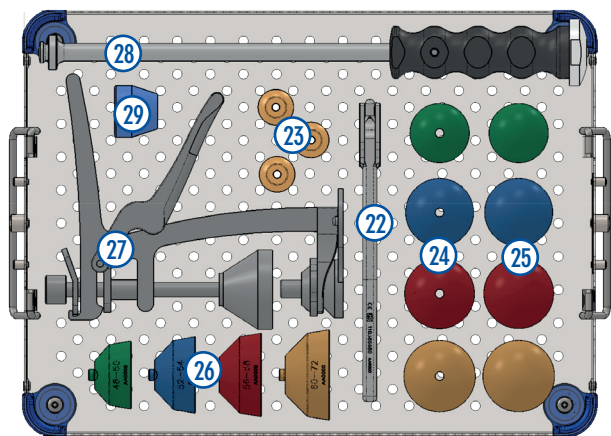
INSTRUMENTATION CODES FIN CUPS SYSTEM



Tray for instruments
FIN CUPS SYSTEM
REF: 110381705

	DESCRIPTION	REF.	SIZE	QNT	
1	Suction cup for liner	110380419	-	1	
2	Suction cup holder	110380418	-	1	
3	Cup impactor	110380420	-	1	
4	Polyethylene/ceramic liner impactor	110388630	-	1	
5	Drill guide	110388701	-	1	
6	U.J. Screw Driver with O-ring ex. 3,5mm	170010112	-	1	
7	Screw driver with O-ring Ex. 3,5mm	110381680	-	1	
	DESCRIPTION	REF.	SIZE	DIAM. INT.	QNT
8	Trial insert Plane	110382699*	42mm	28mm	1
		110382700	44-46mm	28mm	1
		110382705	48-50mm	32mm	1
		110382715	52-54mm	36mm	1
		110382720	56-58mm	36mm	1
		110382725	60-72mm	36mm	1
		110382799*	42mm	28mm	1
9	Trial insert Antiluxation shoulder liner	110382800	44-46mm	28mm	1
		110382805	48-50mm	32mm	1
		110382815	52-54mm	36mm	1
		110382820	56-58mm	36mm	1
		110382825	60-72mm	36mm	1
	DESCRIPTION	REF.	DIAM.	QNT	
10	Drill bit 56mm	110388772	3.2mm	1	
11	Drill bit 70mm	110388771	3.2mm	1	
	Drill bit 56mm*	110388773*	4.5mm	1	
12	Impactor M4 Rod	110380426	-	1	
13	Impactor M5 Rod	110380427	-	1	
14	Impactor spheres	110388635	28mm	1	
		110388636	32mm	1	
		110388637	36mm	1	
	Ceramic liner extractor*	110380828	-	1	

	DESCRIPTION	REF.	SIZE	QNT
15	Flexible shaft ao/jacobs	110388760	-	1
16	Depth gauge	110388730	-	1
		110384042*	42mm	1
		110384044	44mm	1
		110384046	46mm	1
		110384048	48mm	1
		110384050	50mm	1
		110384052	52mm	1
		110384054	54mm	1
17	Acetabular reamers	110384056	56mm	1
		110384058	58mm	1
		110384060	60mm	1
		110384062	62mm	1
18	Adaptor for impactor	110380344	42-50mm	1
		110380352	52-58mm	1
		110380360	60-72mm	1
19	Screw holder	110381681	-	1
20	Universal Zimmer handle for reamers	110384105	-	1
		110381642N*	42mm	1
		110381644N	44mm	1
		110381646N	46mm	1
		110381648N	48mm	1
		110381650N	50mm	1
		110381652N	52mm	1
		110381654N	54mm	1
		110381656N	56mm	1
		110381658N	58mm	1
21	Trial cups	110381660N	60mm	1
		110381662N	62mm	1



OPTIONAL ON REQUEST

Tray for instruments
FIN CUPS SYSTEM DOUBLE MOBILITY
REF: 110386500

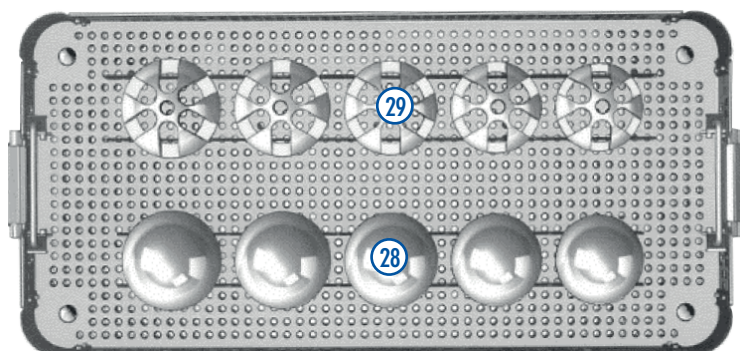
	DESCRIPTION	REF.	COLLO	QNT
22	Pliers for extraction	110386680	-	1
		110381020	S	1
23	Trial Head (Diam 22.2mm)	110381030	M	1
		110381040	L	1
	DESCRIPTION	REF.	SIZE	QNT
24	Fin Cups System Double mobility Mobile XLPE Trial insert	110386648	48-50mm	1
		110386652	52-54mm	1
		110386656	56-58mm	1
		110386660	60-72mm	1
25	Fin Cups System Double mobility Impactor for CrCo insert	110386537	48-50mm	1
		110386538	52-54mm	1
		110386539	56-58mm	1
		110386540	60-72mm	1
26	Fin Cups System Double mobility CrCo Trial insert	110386548	48-50mm	1
		110386552	52-54mm	1
		110386556	56-58mm	1
		110386560	60-72mm	1
27	Press	110433007	-	1

	DESCRIPTION	REF.	NECK	QNT
28	Head impactor	110381640		1
29	Pusher device	110433005		1
	DESCRIPTION	REF.	NECK	QNT
	Trial head* (Diam. 28mm)	110380860*	S	1
		110380870*	M	1
		110380880*	L	1
		110380890*	XL	1

INSTRUMENTATION CODES FIN CUPS SYSTEM
LARGE DIAMETERS

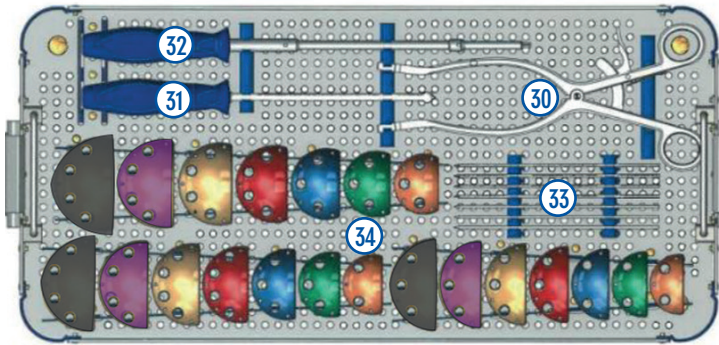
Tray for instruments
FIN CUPS SYSTEM LARGE DIAMETERS
REF: 110381710

OPTIONAL ON REQUEST



	DESCRIPTION	REF.	SIZE	QNT
28	Acetabular reamers	110384064	64mm	1
		110384066	66mm	1
		110384068	68mm	1
		110384070	70mm	1
		110384072	72mm	1
29	Trial cups	110381664N	64mm	1
		110381666N	66mm	1
		110381668N	68mm	1
		110381670N	70mm	1
		110381672N	72mm	1

INSTRUMENTATION CODES FIN DMD WEDGE



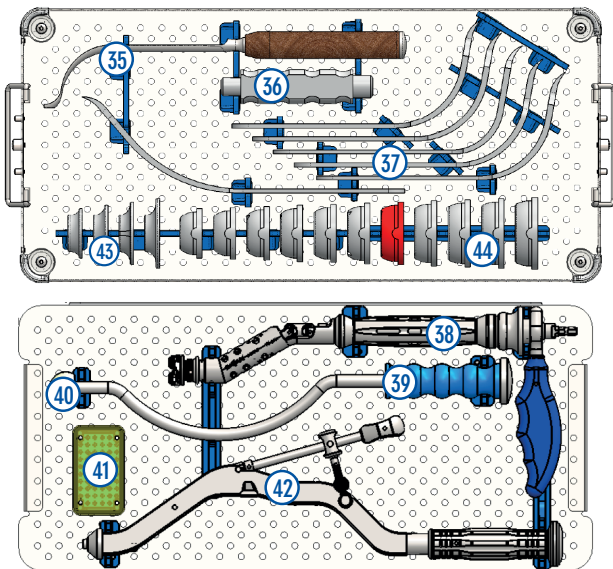
OPTIONAL ON REQUEST

Tray for instruments
FIN DMD WEDGE
REF: 110383300

	DESCRIPTION	REF.	SIZE	THICK.	QNT
30	Wedge holder forceps	110383280	-	-	1
31	Wedge positioner	110383285	-	-	1
32	FIN DMD Flexible screwdriver	110383290	-	-	1
33	Kirschner wires 1,6 - L.155mm*	150208016*	-	-	1
34	Trial Wedge	110383044	42/46	15	1
		110383144	42/46	20	1
		110383244	42/46	25	1
		110383048	48/50	15	1
		110383148	48/50	20	1
		110383248	48/50	25	1
		110383052	52/54	15	1
		110383152	52/54	20	1
110383252	52/54	25	1		

	DESCRIPTION	REF.	SIZE	THICK.	QNT
34	Trial Wedge	110383056	56/58	15	1
		110383156	56/58	20	1
		110383256	56/58	25	1
		110383060	60/62	15	1
		110383160	60/62	20	1
		110383260	60/62	25	1
		110383064	64/66	15	1
		110383164	64/66	20	1
		110383264	64/66	25	1
		110383068	68/70	15	1
		110383168	68/70	20	1
		110383268	68/70	25	1

INSTRUMENTATION CODES MAS

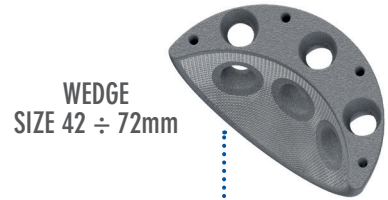


OPTIONAL ON REQUEST

Tray for instruments
MAS
REF: 110433517

	DESCRIPTION	REF.	QNT		DESCRIPTION	SIZE	REF.	CAT	QNT
35	Muller Elevator	400114650	1	43	Metal plate*	42,44,46	110433520*	A	1
36	Trial Insert extractor*	110433532*	1			48,50,52	110433522*	B	1
37	Retractors	400114664	1			54,56,58	110433524*	C	1
		400114666	1			60,62,64	110433526*	D	1
		400114665	1			66 ÷ 72	110433528*	E	1
		400114662	1			42	110433542*	A	1
		400114660	1	44	110433544*	1			
400114661	1	46	110433546*	1					
38	Acetabular reamer handle offset - AO Shaft*	110384118*	1	48	110433548*	B	1		
		110384117	1	50	110433550*		1		
39	Acetabular reamer handle offset - Zimmer Shaft	110388631	1	44	Inserts*	52	110433552*	D	1
						54	110433554*		1
56	110433556*	1							
58	110433558*	1							
60	110433560*	1							
62	110433562*	1							
64	110433564*	1							
66	110433566*	E	1						
68	110433568*		1						
70	110433570*		1						
40	Impactor sphere	110388635	1			72	110433572*	1	
41	Tapered cone*	110433530*	1						
42	Offset impactor	110380421	1						

* Upon request



FIN MB
SIZE 42* ÷ 72mm



FIN II
SIZE 42* ÷ 72mm



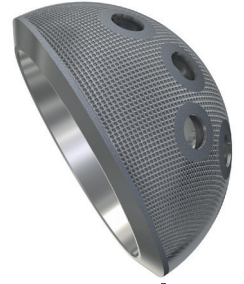
FIN II HA
SIZE 42* ÷ 72mm



FIN DMD
SIZE 42* ÷ 72mm



FIN DMD MULTIHOLE
SIZE 42* ÷ 72mm



CrCo INSERT
SIZE 48 ÷ 72mm
CrCo+TiNbn INSERT
SIZE 52 ÷ 72mm

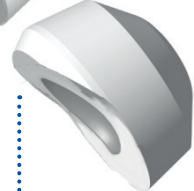
XLPE + VIT E INSERT with or without antiluxation shoulder
SIZE 42* ÷ 72mm

XLPE INSERT with or without antiluxation shoulder
SIZE 42* ÷ 72mm

UHMWPE INSERT with or without antiluxation shoulder
SIZE 42* ÷ 72mm

ZTA CERAMIC INSERT
SIZE 44 ÷ 72mm

BIOLOX DELTA CERAMIC INSERT
SIZE 44 ÷ 72mm



DOUBLE MOBILITY INSERT
XLPE or XLPE + Vit. E
SIZE 48 ÷ 72mm**



**CrCo HEAD 22.2mm
FOR DOUBLE MOBILITY INSERT
SIZE 48-50mm



* Upon request



FIN MB

REF.	SIZE
110352042*	42mm
110352044	44mm
110352046	46mm
110352048	48mm
110352050	50mm
110352052	52mm
110352054	54mm
110352056	56mm
110352058	58mm
110352060	60mm
110352062	62mm
110352064*	64mm
110352066*	66mm
110352068*	68mm
110352070*	70mm
110352072*	72mm

FIN II

REF.	SIZE
110350142*	42mm
110350144	44mm
110350146	46mm
110350148	48mm
110350150	50mm
110350152	52mm
110350154	54mm
110350156	56mm
110350158	58mm
110350160	60mm
110350162	62mm
110350164*	64mm
110350166*	66mm
110350168*	68mm
110350170*	70mm
110350172*	72mm

FIN DMD

REF.	SIZE
110355042*	42mm
110355044	44mm
110355046	46mm
110355048	48mm
110355050	50mm
110355052	52mm
110355054	54mm
110355056	56mm
110355058	58mm
110355060	60mm
110355062	62mm
110355064*	64mm
110355066*	66mm
110355068*	68mm
110355070*	70mm
110355072*	72mm

FIN DMD MULTIHOLE

REF.	SIZE
110353042*	42mm
110353044	44mm
110353046	46mm
110353048	48mm
110353050	50mm
110353052	52mm
110353054	54mm
110353056	56mm
110353058	58mm
110353060	60mm
110353062	62mm
110353064*	64mm
110353066*	66mm
110353068*	68mm
110353070*	70mm
110353072*	72mm

FIN II HA

REF.	SIZE
110350142H*	42mm
110350144H	44mm
110350146H	46mm
110350148H	48mm
110350150H	50mm
110350152H	52mm
110350154H	54mm
110350156H	56mm
110350158H	58mm
110350160H	60mm
110350162H	62mm
110350164H*	64mm
110350166H*	66mm
110350168H*	68mm
110350170H*	70mm
110350172H*	72mm

WEDGE

REF.	SIZE	THICK.	REF.	SIZE	THICK.	REF.	SIZE	THICK.	REF.	SIZE	THICK.
110356144	42/46mm	15mm	110356152	52/54mm	15mm	110356160	60/62mm	15mm	110356168	68/70mm	15mm
110356244	42/46mm	20mm	110356252	52/54mm	20mm	110356260	60/62mm	20mm	110356268	68/70mm	20mm
110356344	42/46mm	25mm	110356352	52/54mm	25mm	110356360	60/62mm	25mm	110356368	68/70mm	25mm
110356148	48/50mm	15mm	110356156	56/58mm	15mm	110356164	64/66mm	15mm			
110356248	48/50mm	20mm	110356256	56/58mm	20mm	110356264	64/66mm	20mm			
110356348	48/50mm	25mm	110356356	56/58mm	25mm	110356364	64/66mm	25mm			

**SELF THREADING
CANCELLOUS SCREWS
6.5mm**

REF.	LENG.
110364620	20mm
110364625	25mm
110364630	30mm
110364635	35mm
110364640	40mm
110364645	45mm
110364650	50mm
110364655	55mm
110364660	60mm

APEX PLUG

REF.
110364601*

SCREW HOLE PLUG

REF.
110364600*

CRCO INSERT

REF.	SIZE
110367748	48/50mm
110367752	52/54mm
110367756	56/58mm
110367760	60÷72mm

**CRCO INSERT
ALLERGY COATING**

REF.	SIZE
110367752A	52/54mm
110367756A	56/58mm
110367760A	60÷72mm

XLPE DOUBLE MOBILITY INSERT

REF.	SIZE	INT. DIAM.
110367948	48/50mm	22.2mm
110367952	52/54mm	28mm
110367956	56/58mm	28mm
110367960	60÷72mm	28mm

**XLPE DOUBLE MOBILITY INSERT
WITH VITAMINE E**

REF.	SIZE	INT. DIAM.
110368148	48/50mm	22.2mm
110368152	52/54mm	28mm
110368156	56/58mm	28mm
110368160	60÷72mm	28mm

UHMWPE PLANE INSERT

REF.	SIZE	INT. DIAM.
110364242*	42mm*	28mm*
110364244	44/46mm	28mm
110364248	48/50mm	28mm
110364252	52/54mm	28mm
110364256	56/58mm	28mm
110364260	60÷72mm	28mm

XLPE + VIT E PLANE INSERT

REF.	SIZE	INT. DIAM.
110363142*	42mm*	28mm*
110363144	44/46mm	28mm
110363148	48/50mm	32mm
110363152	52/54mm	36mm
110363156	56/58mm	36mm
110363160	60÷72mm	36mm

XLPE PLANE INSERT

REF.	SIZE	INT. DIAM.
110362142*	42mm*	28mm*
110362144	44/46mm	28mm
110362248	48/50mm	32mm
110362252*	52/54mm*	32mm*
110362352	52/54mm	36mm
110362356	56/58mm	36mm
110362360	60÷72mm	36mm

CERAMIC BIOLOX DELTA INSERT

REF.	SIZE	INT. DIAM.
110367044	44/46mm	28mm
110367048	48/50mm	32mm
110367152	52/54mm	36mm
110367156	56/58mm	36mm
110367160	60÷72mm	36mm

**UHMWPE INSERT
ANTILUXATION SHOULDER**

REF.	SIZE	INT. DIAM.
110364342*	42mm*	28mm*
110364344	44/46mm	28mm
110364348	48/50mm	28mm
110364352	52/54mm	28mm
110364356	56/58mm	28mm
110364360	60÷72mm	28mm

**XLPE + VIT E INSERT
ANTILUXATION SHOULDER**

REF.	SIZE	INT. DIAM.
110363342*	42mm*	28mm*
110363344	44/46mm	28mm
110363348	48/50mm	32mm
110363352	52/54mm	36mm
110363356	56/58mm	36mm
110363360	60÷72mm	36mm

**XLPE INSERT
ANTILUXATION SHOULDER**

REF.	SIZE	INT. DIAM.
110361142*	42mm*	28mm*
110361144	44/46mm	28mm
110361248	48/50mm	32mm
110361252*	52/54mm*	32mm*
110361352	52/54mm	36mm
110361356	56/58mm	36mm
110361360	60÷72mm	36mm

CERAMIC ZTA INSERT

REF.	SIZE	INT. DIAM.
110369144	44/46mm	28mm
110369148	48/50mm	32mm
110369252	52/54mm	36mm
110369256	56/58mm	36mm
110369260	60÷72mm	36mm

**CRCO FEMORAL HEAD,
Cone 12/14**

REF.	DIAM.	NECK	R.I.C.
110207105E	22.2mm	S	-2mm
110207110E	22.2mm	M	0
110207115E	22.2mm	L	+2mm
110210105E	28mm	S	-3.5mm
110210110E	28mm	M	0mm
110210115E	28mm	L	+3.5mm
110210120E	28mm	XL	+7mm
110220105E	32mm	S	-4mm
110220110E	32mm	M	0mm
110220115E	32mm	L	+4mm
110220120E	32mm	XL	+7mm
110367705	36mm	S	-4mm
110367710	36mm	M	0mm
110367715	36mm	L	+4mm
110367720	36mm	XL	+8mm

**STAINLESS STEEL FEMORAL HEAD
Cone 12/14**

REF.	DIAM.	NECK	R.I.C.
110205105E	28mm	S	-3.5mm
110205110E	28mm	M	0mm
110205115E	28mm	L	+3.5mm
110205120E	28mm	XL	+7mm
110205205E*	32mm	S	-4mm
110205210E*	32mm	M	0mm
110205215E*	32mm	L	+4mm
110205220E*	32mm	XL	+7mm

**ZTA CERAMIC FEMORAL HEAD
Cone 12/14**

REF.	DIAM.	NECK	R.I.C.
110240605	28mm	S	-3.5mm
110240610	28mm	M	0mm
110240615	28mm	L	+3.5mm
110240625	32mm	S	-4mm
110240630	32mm	M	0mm
110240635	32mm	L	+4mm
110240640	32mm	XL	+7mm
110240655	36mm	S	-4mm
110240660	36mm	M	0mm
110240665	36mm	L	+4mm
110240670	36mm	XL	+8mm

**CERAMIC BIOLOX DELTA FEMORAL HEAD
Cone 12/14**

REF.	DIAM.	NECK	R.I.C.
110240205	28mm	S	-3.5mm
110240210	28mm	M	0mm
110240215	28mm	L	+3.5mm
110240305	32mm	S	-4mm
110240310	32mm	M	0mm
110240315	32mm	L	+4mm
110240320	32mm	XL	+7mm
110240405	36mm	S	-4mm
110240410	36mm	M	0mm
110240415	36mm	L	+4mm
110240420	36mm	XL	+8mm

Web Site

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IFU

Use the QR-Code to view complete product informations, including instructions for use, indications and contraindications, precautions and warnings



Video operating technique

Use the QR-Code to view the video of the FIN CUPS SYSTEM operating technique



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