



CHIBF E

Bipolar Cup

SURGICAL
TECHNIQUE



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Presentation of the Bipolar cup CHIBF E

CHIBF E bipolar cup is intended for Injury to the femoral head or neck without destruction of the acetabular cavity.

The bipolar cup is well indicated for fully hemispheric cavity for which acetabular reaming is not requested.

The cup includes a thin outer shell made of stainless steel (ISO 5832-1) and an inner UHMWPE (ISO 5834-2) bearing surface. The assembly ensure the retention of the femoral head Ø 22,2 mm or 28 mm with a retention lip included in the design rationale of the implant.

CHIBF E is highly polished in the outer shell to be fully mobile inside the acetabulum.

This results in stable mobility approaching joint physiology of the hip.



Implants references

CHIBF E

Size	Inner diameter Ø 22,2 mm	References	Inner diameter Ø 28 mm	References
39	CHIBF 39/22,2 E	RM60150100	/	/
41	CHIBF 41/22,2 E	RM60150101	/	/
43	CHIBF 43/22,2 E	RM60150102	/	/
45	CHIBF 45/22,2 E	RM60150103	CHIBF 45/28 E	RM60150122
47	CHIBF 47/22,2 E	RM60150104	CHIBF 47/28 E	RM60150123
49	CHIBF 49/22,2 E	RM60150105	CHIBF 49/28 E	RM60150124
51	CHIBF 51/22,2 E	RM60150106	CHIBF 51/28 E	RM60150125
53	CHIBF 53/22,2 E	RM60150107	CHIBF 53/28 E	RM60150126
55	CHIBF 55/22,2 E	RM60150108	CHIBF 55/28 E	RM60150127
57	CHIBF 57/22,2 E	RM60150109	CHIBF 57/28 E	RM60150128
59	/	/	CHIBF 59/28 E	RM60150129

Surgical technique

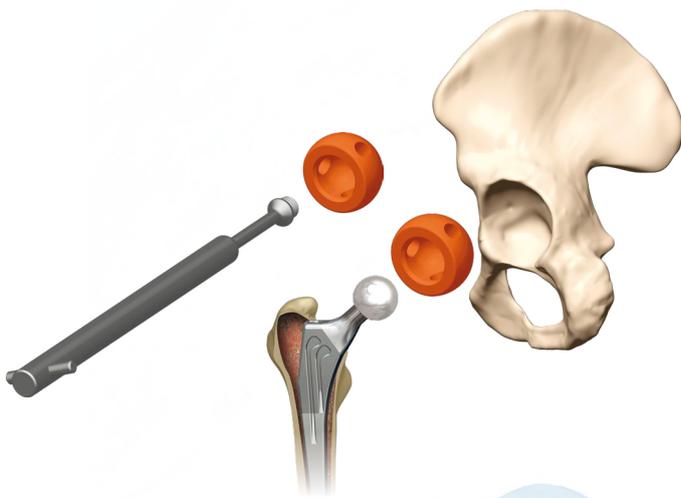
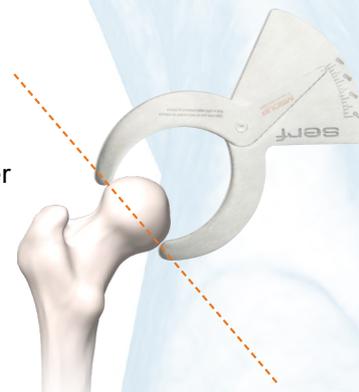
1 Preoperative planning

To ensure that the implants are correctly positioned, an X ray evaluation using the implants' templates supplied (or using the available planning software) is recommended. This planning must be used to select the adequate **CHIBF E** to implant in terms of size and orientation.

2 Measurement and trials

Either measure the femoral head with the measurer or the diameter of the acetabulum with the trial cup.

As shown in the illustration, the head diameter is indicated by the two "legs" of the measurer.



A trial reduction can be undertaken with a trial head on the femoral stem.

3 Impaction of the Bipolar cup over the definitive head

Impaction of the Bipolar cup over the definitive head

- A Assembly on table
- B In situ assembly

A On table assembly

Screw the black head supporting piece and the locking ring together centring them on the fork of the compression gun.

Hold the impactor vertically on the table.



Avoid getting any liquids on the definitive head and definitive bipolar cup as this could make it impossible to reduce the head into the liner.

Place the head onto the head supporting piece and position the bipolar cup on the head.

A second supporting metallic piece is supplied in addition to the head supporting piece, for stems with a small morse taper.

Start to tighten the press to reduce the head into the bipolar cup whilst keeping it in the axis of the impactor cone when the piston descends.

The head is fully lodged into the bipolar cup when the retention area has been passed, and when the head is fully mobile in the cup.

B In situ assembly

Position the impactor fork below the implant head (neck \varnothing 13 max).

Place and hold the liner in the axis of the neck at moment of full impaction (final air release).

Unlocking the impactor

Once the head and the cup are assembled, unlock the impactor by pressing on the brake.

Pull the stem back to free the liner.

Check mobility of the head in the bipolar cup thoroughly after impaction.

SERF denies any responsibilities in case of compatibility problems caused by implants made by other companies as we can not grant their compatibility.

4 Definitive reduction

Carry out the hip reduction by exercising axial traction of the leg and by pushing the CHIBF E into the bottom of the acetabular cup.

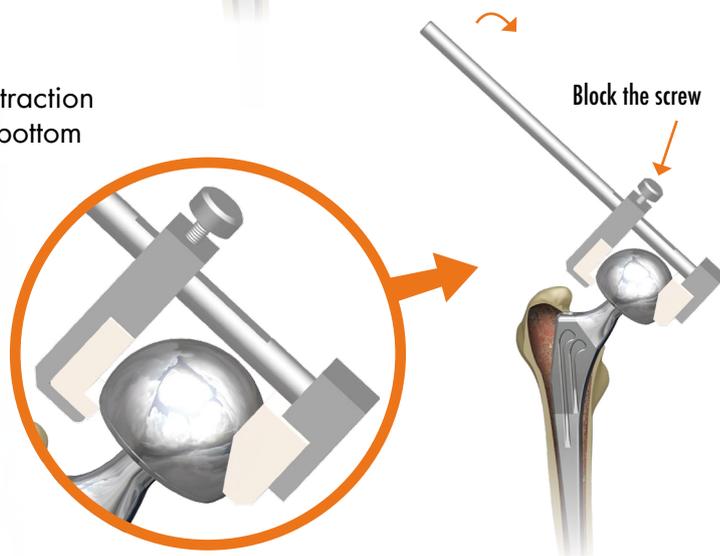
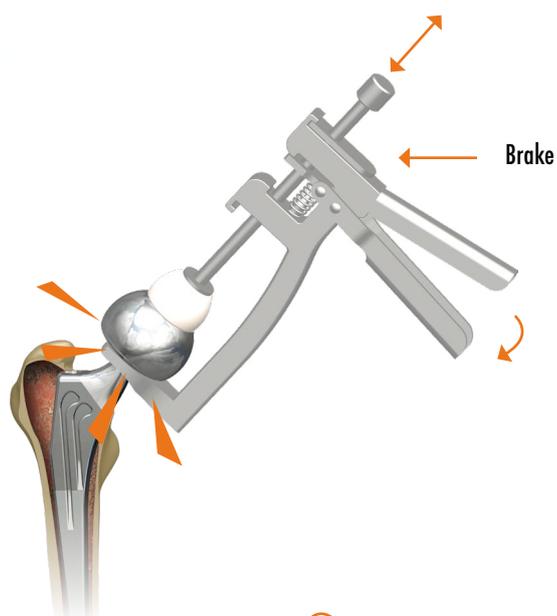
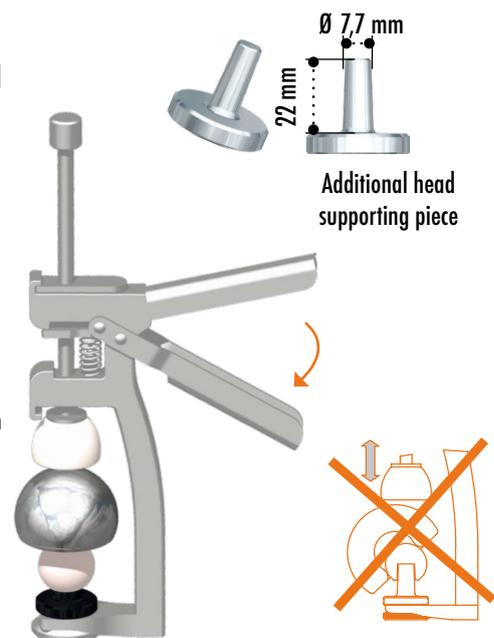
Removal of the cup

Should it be necessary to remove the Bipolar cup, position the extractor jaws over it.

Tighten the blocking nut.

Lever the cup off the head.

The cup cannot be re used after extraction



Instruments sets

CHIBF E - VARACH02

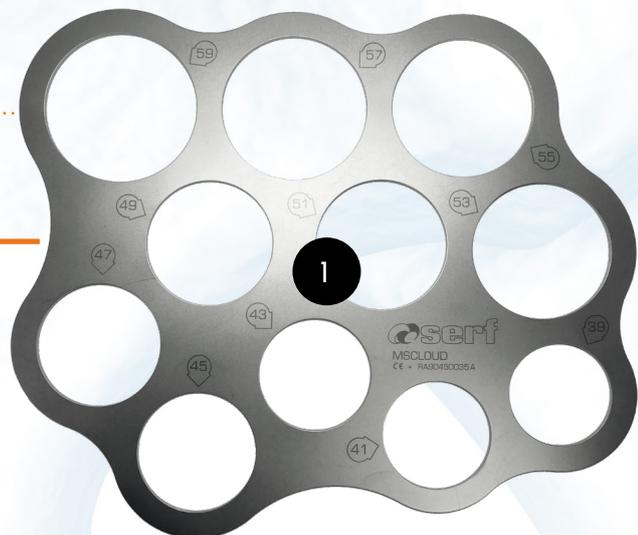
N°	Reference	Description
1	IE004-45/28 to IE004-59/28	Trials for 28 mm heads
2	IE004-39/22,2 to IE004-57/22,2	Trials for 22.2 mm heads
3	ECM	Cup extractor
4	PGE	Shaft for trial cup
5	ICJB E	Impaction gun for cup
6	COJB 75 M	Metal cone for ICJB E
7	CA 701	6 mm hex
8	MSCUP	Measurer for femoral heads



Additional instruments sets

MSCLOUD

N°	Libellé	Désignation
1	MSCLOUD	Femoral head measurer





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The medical devices mentioned in this document are devices of class I, IIa, IIb, and III.
Class IIa, IIb, and III medical devices carry CE mark 0459 with GMED.

Before using a SERF product, please refer to the instruction leaflet and to the surgical technique. Check the labels and product leaflets for the complete list of indications, contra-indications, risks, warnings, precautions, and instructions for use.

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