

E v o l u t i s

C R E A T E U R F A B R I C A N T

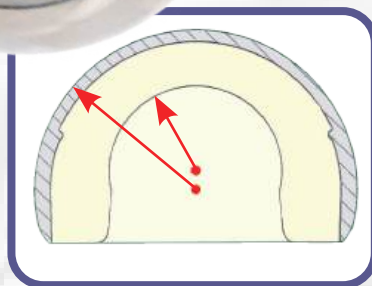
Moonstone®



MOONSTONE
*with locking ring
à bague*



MOONSTONE
*constrained
rétenive*



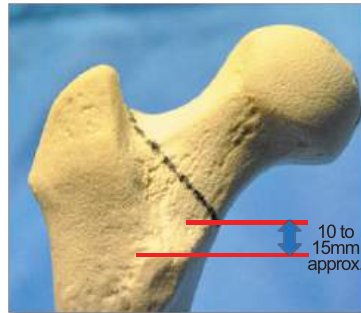
Surgical Technique

Evolutis
MOTION INSIDE

The purpose of this Surgical Technique document is to ensure a correct use of the instruments and to make the surgery easier.
The surgeon will adapt according to his practice.

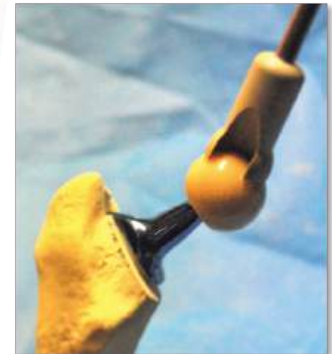
1- Resection of the Femoral Head

Following the usual surgical approach to the hip joint, the surgeon will begin by resecting (primary arthroplasty) or removing (acute trauma) the femoral head from the acetabulum.



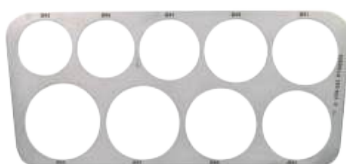
2- Femoral Preparation

The MOONSTONE bi-polar cup must be used with a femoral stem and a 22.2 or 28mm femoral head. The femoral preparation and implantation of final femoral implant and femoral head is identical to any hip arthroplasty procedure. Please refer to the surgical technique manual of the femoral stem used.



3- Femoral Head Sizing

The resected femoral head should be measured in order to select the final size of the Moonstone bi-polar cup. Depending on the instrument available in the hospital, the sizing can be made with the Caliper Plate (H36 003) or with the Head Sizing Gauge (H36 001).



Caliper Plate H36 003



Head Sizing Gauge H36 001



Locking Ring Forceps
S01 006

4- Assembly of Moonstone cup with femoral head

Depending of the version of the Moonstone cup, the femoral head will need to be assembled with the cup, then locked with the locking ring forceps (S01 006) or forced into the cup with the liner press (H52 033) and its components.

4.1 : Assembly of the Locking Ring cup

- Remove the locking ring from the cup using the forceps
- Introduce the femoral head into the cup
- Re-position the locking ring into its groove and release the forceps
- Check that the locking ring is in correct position

4.2 : Assembly of the Constrained cup

- Prepare the liner press with all four components
- Position the cup upside down on the impactor tip
- Position the femoral head upside down on the cup
- Press the femoral head into the cup by turning the press screw until the femoral head is impacted into the cup

Liner Press and components
H52 030, H52 031,
H52 033, H52 035



5- Positioning of the cup/head assembly on the stem

Once the femoral head is constrained in the Moonstone cup, make sure that the taper end of the femoral head is facing the operator.
Then bring the head/cup assembly onto the femoral stem taper and connect the head to the stem.

Assemble the Impactor Shaft (H01 023) and the Cup Impactor Tip (H36 002), and hammer on the cup to impact the femoral head on the femoral stem.



6- Reduction of the cup into the hip joint

Use the same Impactor Shaft and Impactor Tip to push the cup into the native acetabulum. Check that the cup moves freely into the acetabulum.
Test for mobility and stability.
Close the wound.



References

Bipolar Cup with ring <i>Cupule Bipolaire à bague</i>		
Inner ϕ Interne	Shell ϕ Cupule	Cat. N°
ϕ22.2	ϕ 39	H35 2239
	ϕ 40	H35 2240*
	ϕ 41	H35 2241
	ϕ 42	H35 2242*
	ϕ 43	H35 2243
	ϕ 44	H35 2244*
	ϕ 45	H35 2245
ϕ28	ϕ 43	H35 2843
	ϕ 44	H35 2844*
	ϕ 45	H35 2845
	ϕ 46	H35 2846*
	ϕ 47	H35 2847
	ϕ 48	H35 2848*
	ϕ 49	H35 2849
	ϕ 50	H35 2850*
	ϕ 51	H35 2851
	ϕ 52	H35 2852*
	ϕ 53	H35 2853
	ϕ 54	H35 2854*
	ϕ 55	H35 2855
	ϕ 56	H35 2856*
ϕ 57	H35 2857	
ϕ 59	H35 2859	
ϕ 60	H35 2860*	

Bipolar Cup constrained <i>Cupule Bipolaire rétentive</i>		
Inner ϕ Interne	Shell ϕ Cupule	Cat. N°
ϕ28	ϕ 43	H35 R2843
	ϕ 45	H35 R2845
	ϕ 47	H35 R2847
	ϕ 49	H35 R2849
	ϕ 51	H35 R2851
	ϕ 53	H35 R2853
	ϕ 55	H35 R2855
	ϕ 57	H35 R2857
	ϕ 59	H35 R2859

Instrumentation		
System / Système	Description	Cat. N°
Common <i>Commun</i>	Head sizing gauge <i>Mesureur de tête</i>	H36 001
	Cup impactor tip <i>Embout d'impaction</i>	H36 002
	Impactor shaft <i>Manche d'impaction</i>	H01 023
	Caliper plate <i>Plaque de calibrage</i>	H36 003
	With ring <i>A bague</i>	Ring forceps <i>Pince à bague</i>
Constrained <i>Rétentif</i>	Press for insert <i>Presse à insert</i>	H52 033
	Press screw <i>Vis de presse</i>	H52 030
	Insert impactor tip <i>Embout poussoir d'insert</i>	H52 035
	Head centralizer <i>Centreur de tête</i>	H52 031

* Items available on special request.



Important Notice:

The Moonstone implants belong to the class III implantable medical device classification, indicated in hemi hip arthroplasty procedures (HHA). The surgeon is required to read the instructions for use S12 0303 included in the packaging of the implant, as well as the surgical technique manual H36 452 (FR version) or H36 451 (EN version) initially delivered with the instrument set, or available for download on the www.evolutisfrance.com website.

Materials / Matériaux :

Cups: Stainless steel according ISO 5832-1 (shell) and UHMWPE according ISO 5834-1 & 2 (liner)
Packaging: Sterilized under Gamma irradiation, VacUpac packaging