

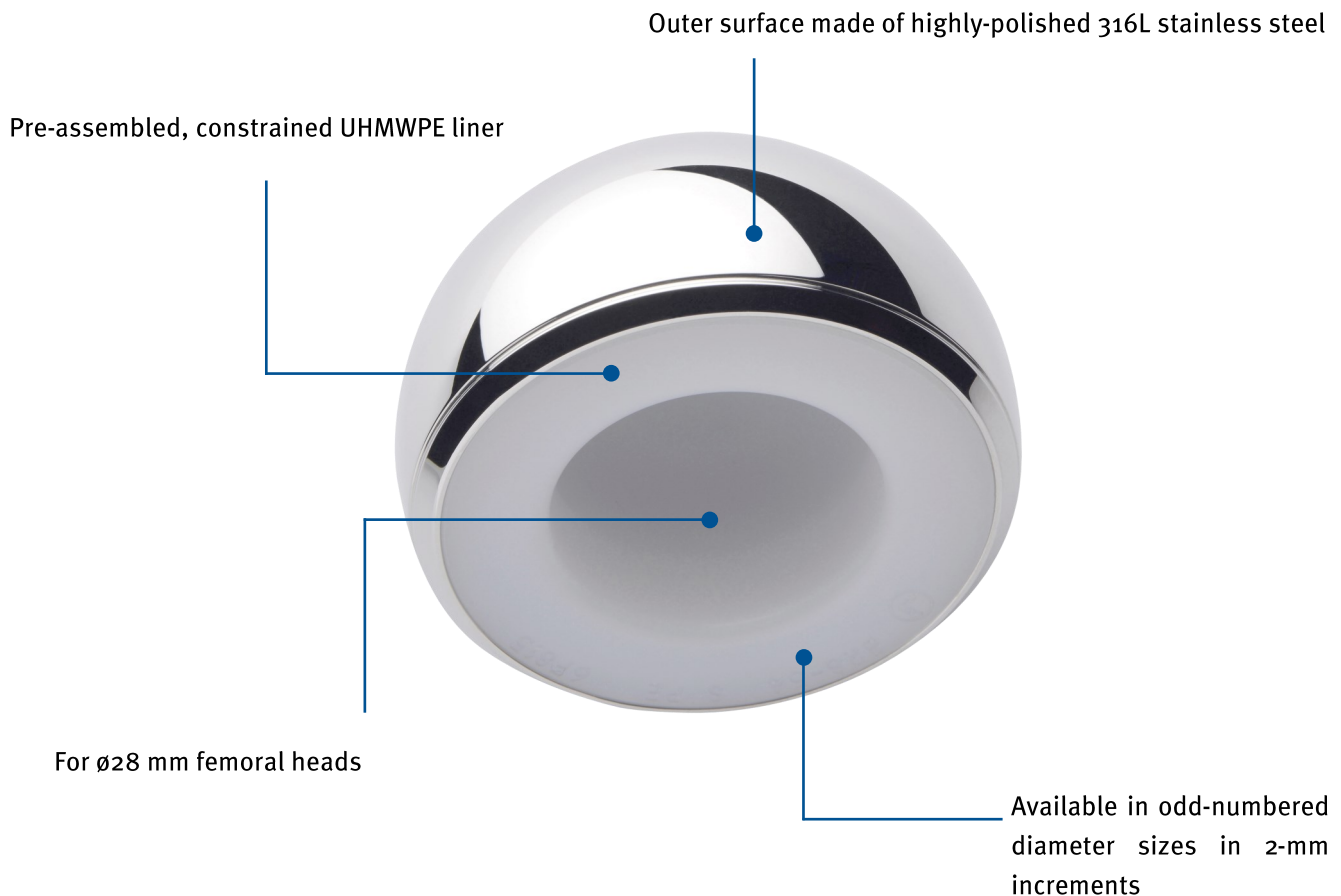
Surgical technique Conventional Instrumentation












SPHERIC® RL
Constrained Bipolar Cup

SPHERIC® RL Bipolar Cup

Overview



SPHERIC® RL product line

Diameter	43mm	45mm	47mm	49mm	51mm	53mm	55mm	57mm	59mm
SPHERIC® RL									

Summary of surgical technique

1) Femoral head measurement

- Determine the SPHERIC® RL cup size to implant using the femoral head sizing gauge.



1

2) Trials

- Choose the trial cup of the same size as the femoral head measured in the previous step. Place the trial cup on the trial femoral head.
- Reduce the cup in the acetabulum with the liner impactor tip.
- Carry out trials until satisfactory range of motion and stability have been achieved.



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3) Femoral head impaction on table

- Place the cup on the liner impactor tip placed between the jaws of the liner press and the support ring on the press screw.
- Insert the femoral head in the head centralizer positioned in the press screw.
- Impact the femoral head into the constrained liner by tightening the screw on the liner press.



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4) Femoral head impaction on stem

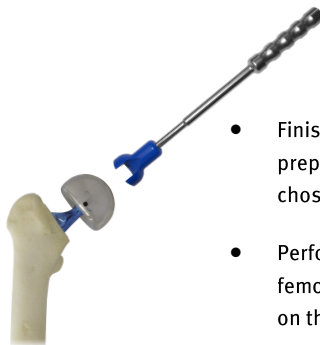
- Insert the liner impactation tip and the support ring on the press screw.
- Position the femoral head impacted on the stem between the jaws of the liner press, and then set the SPHERIC® RL cup over the femoral head.
- Impact the cup on the femoral head by tightening the screw on the liner press.



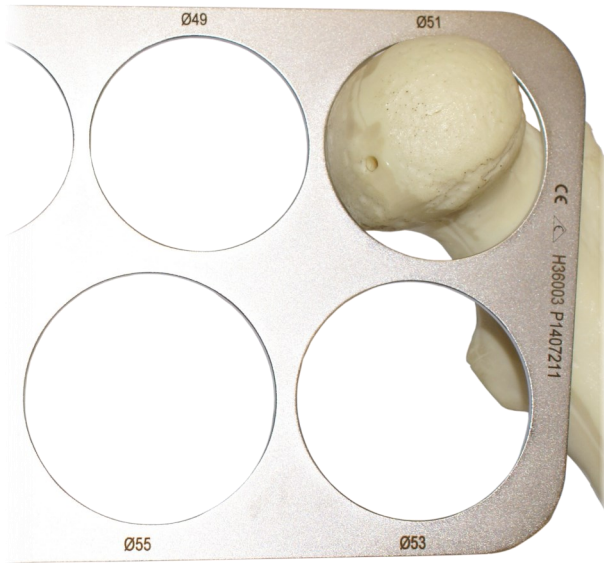
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5) Joint reduction

- Finish the femoral preparation with the stem chosen for implantation.
- Perform or finalise the femoral head impaction on this stem.
- Reduce the joint using the impactor.



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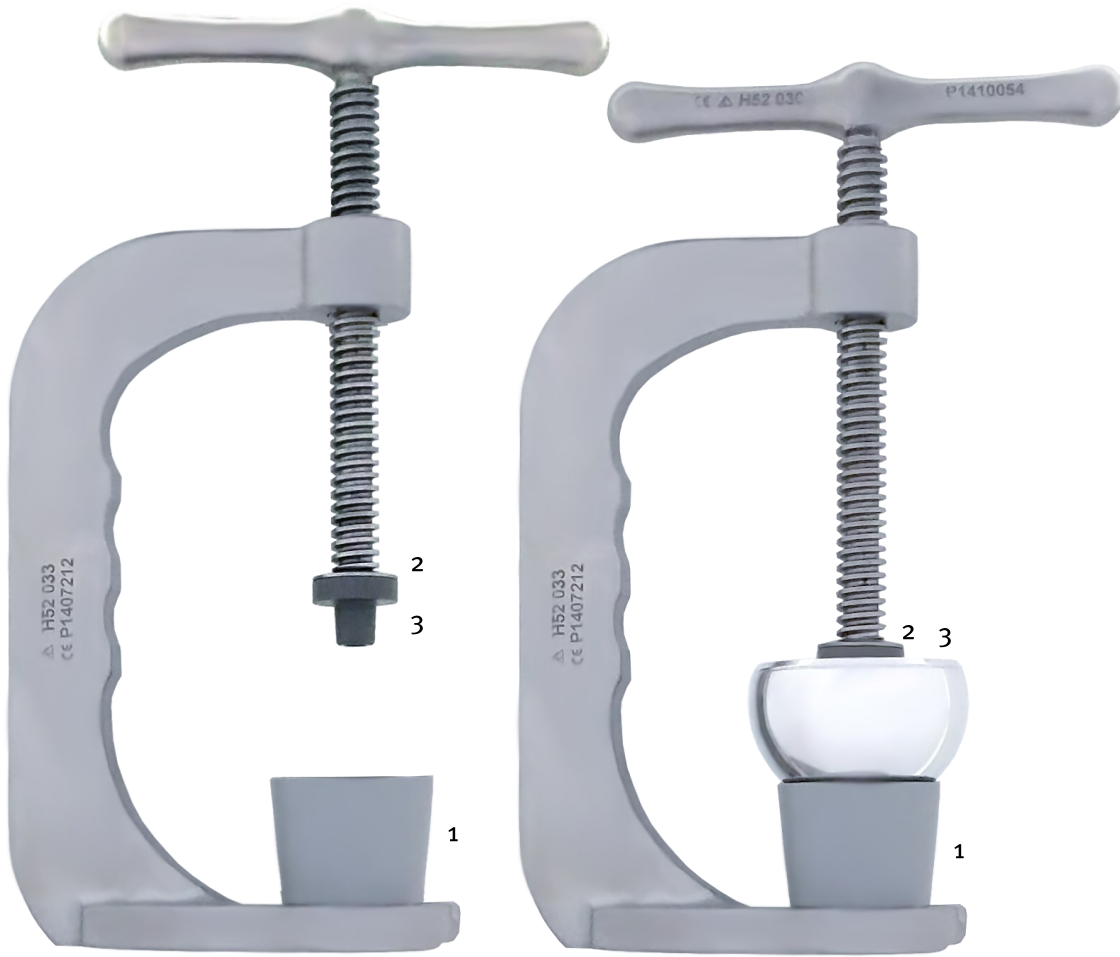
Femoral head measurement

- Measure the femoral head size using the femoral head sizing gauge.
- Select the SPHERIC® RL cup size that is the closest to the measured femoral head size.

NOTE : If the measured value falls between two sizes, choose the smaller one.

Trials

- Choose the trial cup of the same size as the femoral head measured in the previous step.
- Place the trial cup on the 28-mm diameter femoral head (trial or definitive femoral head).
- Reduce the cup in the acetabulum with the liner impactor tip.
- Test the joint's range of motion and stability.
- Dislocate the femoral head and remove the trial cup.



Femoral head impaction

Impaction on table

- Tighten the screw on the liner press.
- Slide the liner impactor tip (1) between the jaws of the liner press.
- Place the support ring (2) and the 10/12 taper head centralizer (3) on the end of the screw, and then insert the femoral head selected during the trials.
- Place the SPHERIC® RL cup corresponding to the size chosen during the trials into the liner impactor tip, with the liner facing up.

IMPORTANT:

- The 8/10 taper head centralizer can also be used with 12/14 taper femoral heads.
 - If the support ring and/or liner impactor tip do not easily go on the press screw, turn the screw until these components touch the jaws. This will engage the retention mechanism.
 - Tighten the press screw until the femoral head is impacted into the constrained liner.
 - Loosen the screw to remove the femoral head from the head centralizer. Make sure the head moves freely in the cup.
-

Femoral head impaction

Impaction on stem

- Impact the femoral head chosen during the trials onto the femoral stem.
- Tighten the screw on the liner press.
- Place the support ring (1) and the liner impactor tip (2) on the end of the press screw.

IMPORTANT: If the support ring and/or liner impactor tip do not easily go on the press screw, turn the screw until these components touch the jaws. This will engage the retention mechanism.

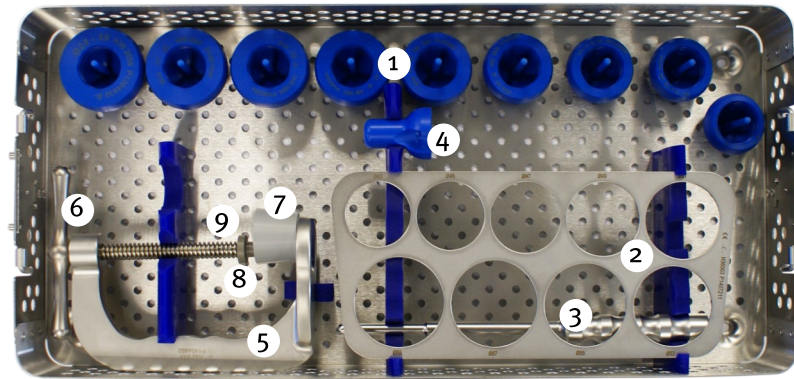
- Slide the femoral stem between the jaws of the press until the femoral head rests on the jaws.
- Set and hold the SPHERIC® RL cup corresponding to the size chosen during the trials on the femoral head.
- Tighten the press screw until the cup is impacted on the head.
- Loosen the screw and remove the press.
- Make sure the cup moves freely over the femoral head.



Joint reduction

- Finish the femoral preparation with the chosen stem (refer to the surgical technique specific to the stem).
- If the impaction was performed on the table (see previous page), impact the femoral head on the chosen stem.
- Set the femoral head on the stem's Morse taper and directly impact the cup using the cup impactor tip mounted on the impactor shaft. The impaction must be performed in line with the stem's neck.
- Reduce the joint using the impactor.

SPHERIC® RL instrumentation consists of a single tray



Item	Name	Product No.	Qty
1	Trial mobile cup Ø28/43	H36 2843	1
1	Trial mobile cup Ø28/45	H36 2845	1
1	Trial mobile cup Ø28/47	H36 2847	1
1	Trial mobile cup Ø28/49	H36 2849	1
1	Trial mobile cup Ø28/51	H36 2851	1
1	Trial mobile cup Ø28/53	H36 2853	1
1	Trial mobile cup Ø28/55	H36 2855	1
1	Trial mobile cup Ø28/57	H36 2857	1
1	Trial mobile cup Ø28/59	H36 2859	1
2	Femoral head sizing gauge	H36 003	1
3	Impactor shaft	H01 023	1
4	Cup impactor tip	H36 002	1
5	Press for liner	H52 033	1
6	Screw for press	H52 030	1
7	Liner impactor tip	H52 035	1
8	Head centralizer	H52 031	1
9	Support ring for centralizer	H52 028	1

NOTES



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