Medacta International

# VERSAFITCUP CC TRIO FAMILY

## VERSAFITCUP SYSTEM

The Versafitcup CC Trio belongs to the Versafitcup System, a complete family of elliptical press-fit cups that share the same instrumentation.

The system includes press-fit cups both with and without screw holes (Versafitcup CC Trio No-Hole) alongside the Versafitcup Double Mobility.

**Versafitcup Double Mobility** is a suitable alternative to Ceramic-on-Ceramic and Metal-on-Metal large heads due to the following:

- Extremely low wear rate;[2]
- Low dislocation rate;[3]
- Increased Range of Motion.[4]

**VERSAFITCUP DM**

## VERSAFITCUP CC TRIO FAMILY PRODUCT RANGE

| LINER | Ø HEAD (mm) | Ø ACETABULAR SHELL (mm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 42* | 44** | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 |
| Flat UHMWPE | 22 | AZ* | | | | | | | | | | | |
| | 28 | | B** | C | C | E | E | E | F | F | F | G | G |
| | 32 | | | | | E | E | E | F | F | F | G | G |
| Hooded UHMWPE | 22 | AZ* | | | | | | | | | | | |
| | 28 | | B** | C | C | E | E | E | F | F | F | G | G |
| | 32 | | | | | E | E | E | F | F | F | G | G |
| Ceramic (BIOLOX® *delta*) CeramTec | 28 | | B** | C | C | E | E | E | F | F | F | G | G |
| | 32 | | | C | C | E | E | E | F | F | F | G | G |
| | 36 | | | | | E | E | E | F | F | F | G | G |
| | 40 | | | | | | | | F | F | F | G | G |
| Flat cross-linked UHMWPE (Highcross) | 22 | AZ* | | | | | | | | | | | |
| | 28 | | B** | C | C | E | E | E | F | F | F | G | G |
| | 32 | | | C | C | E | E | E | F | F | F | G | G |
| | 36 | | | | | E | E | E | F | F | F | G | G |
| Hooded cross-linked UHMWPE (Highcross) | 22 | AZ* | | | | | | | | | | | |
| | 28 | | B** | C | C | E | E | E | F | F | F | G | G |
| | 32 | | | | | E | E | E | F | F | F | G | G |

* *Size 42 is available on request for Versafitcup CC Trio only*
** *Size 44 is available on request*

## REDEFINING THR: THE AMIS SYNERGY

The anterior approach, strengthened by years of clinical experience, is the only technique which follows a path both **intermuscular and internervous** and therefore lowers the risk of damaging periarticular structures such as muscles, tendons, vessels and nerves.

Medacta International is the world leader for educating and supporting surgeons in their pursuit of Anterior Minimally Invasive Surgery (AMIS). **Reference Centers, located throughout the world**, provide the necessary AMIS educational experience and Medacta offers **continuous support for surgeons**, as well as constantly improving and developing the industry's most specialized instrumentation platform.


Using Versafitcup CC Trio you can enter Medacta International's world of AMIS.

Discover:

**AMIS**

- The definitive MIS approach: AMIS;
- Dedicated AMIS instrumentation;
- The **AMIS Mobile Leg Positioner**: the original extension table included as part of the instrumentation that makes the surgery easier and reproducible;
- The **AMIS Education Programme** based on Medacta's proven educational methods.

The AMIS Mobile Leg Positioner will be supplied as part of the instrumentation to help ensure effective and reliable positioning of the leg during surgery. Traction, adduction and hyperextension have never been so easy.

## REFERENCES


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*[3] Leclercq S, El Bilci S, Aubriot JH, Treatment of recurrent dislocation of Total Hip Replacement using Bousquet type double mobility cup. Review of 13 cases, Revue de Chirurgie Orthopédique, 81, 389-394, Service de Chirurgie Orthopédique et Traumatologique, CHR Côte de Nacre, Caen, France.*
*[4] Adam P, Ferizon F, Fessy MH, Dual articulation retentive acetabular liners and wear: surface analysis of 40 retrieved polyethylene implants, Rev Chir Orthop 2005, 91: 627636.*
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# VERSAFITCUP CC TRIO FAMILY

ELLIPTICAL PRESS-FIT CUP

ENHANCE YOUR OPTIONS

Brochure

Hip | Knee | Spine | Navigation

Medacta International

# VERSAFITCUP CC TRIO FAMILY

# ELLIPTICAL PRESS-FIT CUP

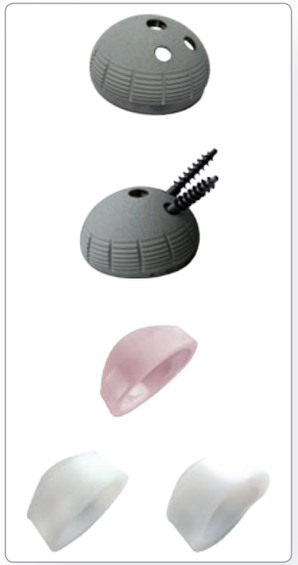
## ENHANCE YOUR OPTIONS

Over the years hip arthroplasty has had to adapt to patients living longer and a greater variety of needs. Stability, load, stress distribution and respect for anatomic structures are critical to the success of any press-fit cup implantation.

The **Versafitcup CC Trio belongs to the Versafitcup System**, which offers a comprehensive product range suitable for any requirement.

Following on from Versafitcup CC and CC Light (65,000 + implanted since 2004 with excellent clinical results[1]) the Versafitcup CC Trio has the same external characteristics but with additional benefits. The Versafitcup CC Trio **inner shell has been re-styled to accommodate the use of larger heads** to best meet the needs of patients and surgeons and restore biomechanics.

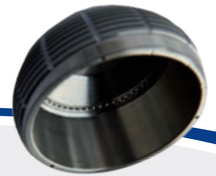
The **Versafitcup CC Trio is also available without lateral screw holes - Versafitcup CC Trio No-Hole**. Together these form the Versafitcup CC Trio Family.



### VERSAFITCUP CC TRIO NO-HOLE

Versafitcup CC Trio No-Hole shares the same geometry, material, coating and liner coupling as the Versafitcup CC Trio but without the lateral screw holes.

Both shells can be used with UHMWPE, Highcross UHMWPE and Ceramic liners. The lateral screw holes of the Versafitcup CC Trio offer the ability to increase fixation using flat head cancellous bone screws.



Enhance your options
Enhancing stability

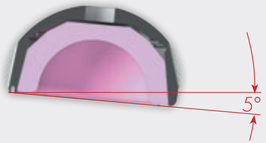
## ENHANCING STABILITY

### ELLIPTICAL PRESSFIT!

The elliptical shape of the cup provides an adequate press-fit on the equatorial region, enhancing primary stability.

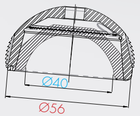
### 5° RAISE!

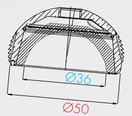
The 5° raise augments the coverage also in case of ceramic liners and may decrease the risk of edge loading.




### LARGER HEADS!

Published documents describe the advantages of using larger heads to augment ROM and prevent dislocation.[5] In cases of ceramic bearing it is possible to use a 36 mm head with acetabular shells from size 50 and a 40 mm head from size 56![6]




## DESIGN

### ELLIPTICAL SHAPE

The **elliptical shape** with polar flattening provides gradual load transfer minimising stress peaks and offering a good primary stability. The **equatorial macrostructures** are 0.7 mm diameter circular retaining splines which increase the contact between the implant and the bone by 30 to 40%. The shell has an optimised thickness that guarantees the use of big heads avoiding the risk of shell deformation.[6]

### RAISE

A 5° upper raise provides additional coverage for **antiluxation purpose**. This raise allows additional coverage also with ceramic bearing.

### LOCKING MECHANISM

The locking mechanism of the UHMWPE liners is composed of:

- A **clipping system**[7] placed out of the equatorial weight bearing area and in correspondence to the thickest region of the UHMWPE liner. This design reduces stress at the liner-shell interface and potentially minimises the risk of the liner rim fracture should impingement occur.
- A **multiple teeth crown**[8] which minimises rotation and micro-movements preventing backside wear.

### SCREWS AND ACCESSORIES

For lateral hole fixation of the Versafitcup CC Trio, titanium alloy, flat head, cancellous bone screws ø 6.5 mm (20 to 45 mm long) are available. For both Versafitcup CC Trio & Versafitcup CC Trio No-Hole versions a metallic plug can be used to close the central hole.


## MATERIAL

Both Versafitcup CC Trio and Versafitcup CC Trio No-Hole shells are made of Titanium-Vanadium alloy. The surface treatment consists of:

- Ti Coating, thickness 100 µm.
- HA (Hydroxyapatite) coating, thickness 90 µm.

Ceramic liners are made of BIOLOX® *delta* by CeramTec.
Polyethylene liners are available in UHMWPE and Highcross (cross-linked UHMWPE by Medacta), both in standard and 10° hooded versions.