Medacta International

VERSAFITCUP CC TRIO

VERSAFITCUP SYSTEM

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

The system includes press-fit cups with screw holes (Versafitcup CC Trio) 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 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
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

* *Sizes 42 and 44 are available on request*

REDEFINING THR: THE AMIS® SYNERGY

The anterior approach, strengthened by several 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®.

AMIS®

Discover:

- 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 Program** based on Medacta's proven educational methods.

REFERENCES

[1] Müller DA, Zingg P, Dora C. 5 year survival and radiological outcome of minimally invasive total hip replacements using a relatively new implant (Quadra®/Versafitcup, Medacta®, Switzerland). SGO 2011, 22nd-24th June, Lausanne. (Please note that Versafitcup CC and Versafitcup CC Light are NOT FDA cleared).
[2] Bernardoni M, Siccardi F, Quagliana I, Spadini E, Analysis of Versafitcup Double Mobility Wear Rates. M.O.R.E. Journal, May 2011; Vol.1: 3-7
[3] Leclercq S, El Bilali 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, Farizon F, Fessy MH, Dual articulation retentive acetabular liners and wear: surface analysis of 40 retrieved polyethylene implants, Rev Chir Orthop 2005, 91: 627-636.
[5] Burroughs BR, Hallstrom B, Golladay GJ, Hoeffel D, Harris WH, Range of Motion and Stability in Total Hip Arthroplasty With 28-, 32-, 38-, and 44-mm Femoral Head Sizes - An In Vitro Study, J Arthroplasty, January 2005; 20(1):11-9
[6] Camesasca S et al., Analysis of Versafitcup CC Trio acetabular shell deformation during impaction, M.O.R.E. Journal, May 2011; Vol.1: 15-18
[7] Michael DR, MD, Review of the Evolution of the Cementless Acetabular Cup, ORTHOSuperSite December 1, 2008
[8] Spadini E et al., Is backside wear a real issue in modern design cups?, M.O.R.E. Journal, May 2011; Vol.1: 12-14

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swiss made

VERSAFITCUP CC TRIO

ELLIPTICAL PRESS-FIT CUP

ENHANCE YOUR OPTIONS

Brochure

Hip | Knee | Spine | Navigation

Medacta International

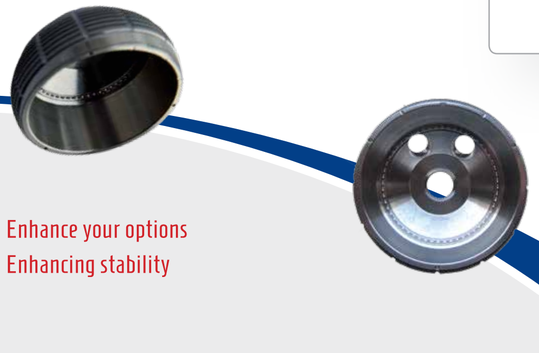
ENHANCE YOUR OPTIONS

Over the years hip arthroplasty has had to adapt to patients living longer, presenting surgeons with 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 complete product range to meet many of today's most common challenges.

Evolving from the Versafitcup CC and CC Light (60,000+ implanted since 2004 with excellent clinical results[1]) the Versafitcup CC Trio has the same external characteristics, but several additional benefits as well.
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, while restoring biomechanics.

Versafitcup CC Trio can be used with UHMWPE and Highcross® UHMWPE liners. The lateral screw holes of the Versafitcup CC Trio offer the possibility to increase fixation with flat head cancellous bone screws.

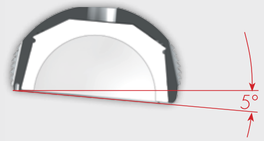


Enhance your options
Enhancing stability

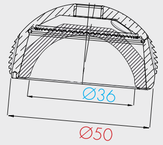
ENHANCING STABILITY

ELLIPTICAL PRESSFIT!
The elliptical shape of the cup provides an adequate press-fit in the equatorial region, enhancing primary stability.

5° RAISE!
The 5° raise augments the coverage of the head 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 Highcross® UHMWPE bearing it is possible to use a 36 mm head with acetabular shells from size 50 and a 32 mm head from size 46!



DESIGN

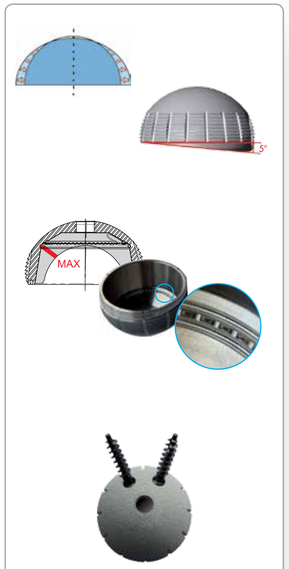
ELLIPTICAL SHAPE
The **elliptical shape** with polar flattening provides gradual load transfer minimizing stress peaks and offering a good primary stability. The **equatorial macrostructures** are 0.7 mm diameter circular retaining splines which increase the contact between the implant and the bone by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

RAISE
A 5° upper raise provides additional coverage for increased stability and **antiluxation**.

LOCKING MECHANISM
The locking mechanism of the UHMWPE liner 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 stresses at the liner-shell interface and potentially minimizes the risk of the liner rim fracture should impingement occur;
- A **multiple teeth crown**[8] which minimizes 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 45mm long) are available.
A metallic plug can be used to close the central hole.



MATERIAL

Versafitcup CC Trio shell is made of Titanium-Vanadium alloy. The surface treatment consists of:

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

Polyethylene liners are available in UHMWPE and Highcross® (cross-linked UHMWPE by Medacta®), both in standard and 10° hooded versions.