

ACETABULAR CUP CEMENTED



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systems
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ACETABULAR CUP CEMENTED

Acetabular Cup is an implant that is placed in the damaged acetabulum and uses cement for fixation. Acetabular cup is made suitable for post-operative imaging with wires that do not transmit light. The inner cavity of the cup has an expensive structure to allow for a wide range of motion. The standard 50 mm acetabular cup meets the needs of the vast majority of patients, however, a 44 mm cup is used in patients with narrowing of the ilium. In order to meet the needs of patients with long bone structures, two large diameter acetabular cups of 56 and 58 mm are among our products.

Special attention has been paid to the precision of the mechanical processing of the acetabular cup and the smoothness of its surface. Therefore, when the acetabular cup is combined with the femoral part, an extremely durable total hip renewal is created. This situation minimizes the risk of dislocation and the wear rate of the acetabular part.

It is manufactured by selecting PE-UHMW cross-linked material that complies with ASTM F 648 and ISO 5834-1/2 standards due to its high purity, biological compatibility, mechanical working performance and friction properties.



Note: Read the instructions for use carefully and if you have any questions about product compatibility, please contact your TIPSAN representative.

This document is a guide for surgeons, but there are multiple techniques for its application and, as with other surgical procedures, the surgeon must be thoroughly trained and ensure that the procedure is suitable for the patient.

ACETABULAR CUP CEMENTED

ACETABULAR CUP CEMENTED Ø28 (PE-UHMW CROSSLINKED) (St.Steel)



Head Size	Diameter	PEUHMW Crosslinked 0°	PEUHMW Crosslinked 10°
Ø28 mm	42 mm	10217027042	10217127042
Ø28 mm	44 mm	10217027001	10217127044
Ø28 mm	46 mm	10217027002	10217127046
Ø28 mm	48 mm	10217027003	10217127048
Ø28 mm	50 mm	10217027004	10217127050
Ø28 mm	52 mm	10217027005	10217127052
Ø28 mm	54 mm	10217027006	10217127054
Ø28 mm	56 mm	10217027007	10217127056
Ø28 mm	58 mm	10217027008	10217127058
Ø28 mm	60 mm	10217027060	10217127060
Ø28 mm	62 mm	10217027062	10217127062
Ø28 mm	64 mm	10217027064	10217127064

ACETABULAR CUP CEMENTED Ø32 (PE-UHMW CROSSLINKED) (St.Steel)



Head Size	Diameter	PEUHMW Crosslinked 0°	PEUHMW Crosslinked 10°
Ø32 mm	44 mm	10217037001	10217137044
Ø32 mm	46 mm	10217037002	10217137046
Ø32 mm	48 mm	10217037003	10217137048
Ø32 mm	50 mm	10217037004	10217137050
Ø32 mm	52 mm	10217037005	10217137052
Ø32 mm	54 mm	10217037006	10217137054
Ø32 mm	56 mm	10217037007	10217137056
Ø32 mm	58 mm	10217037008	10217137058
Ø32 mm	60 mm	10217037060	10217137060
Ø32 mm	62 mm	10217037062	10217137062
Ø32 mm	64 mm	10217037064	10217137064

ACETABULAR CUP CEMENTED Ø36 (PE-UHMW CROSSLINKED) (St.Steel)



Head Size	Diameter	PEUHMW Crosslinked 0°	PEUHMW Crosslinked 10°
Ø36 mm	50 mm	10217047050	10217147050
Ø36 mm	52 mm	10217047052	10217147052
Ø36 mm	54 mm	10217047054	10217147054
Ø36 mm	56 mm	10217047056	10217147056
Ø36 mm	58 mm	10217047058	10217147058
Ø36 mm	60 mm	10217047060	10217147060
Ø36 mm	62 mm	10217047062	10217147062
Ø36 mm	64 mm	10217047064	10217147064

ACETABULAR CUP CEMENTED

ACETABULAR RING



Diameter	Titanium	St.Steel
42 mm	10221002009	10221001009
44 mm	10221002001	10221001001
46 mm	10221002002	10221001002
48 mm	10221002003	10221001003
50 mm	10221002004	10221001004
52 mm	10221002005	10221001005
54 mm	10221002006	10221001006
56 mm	10221002007	10221001007
58 mm	10221002008	10221001008
60 mm	10221002060	10221001060
62 mm	10221002062	10221001062
64 mm	10221002064	10221001064

ACETABULAR REINFORCEMENT CAGE



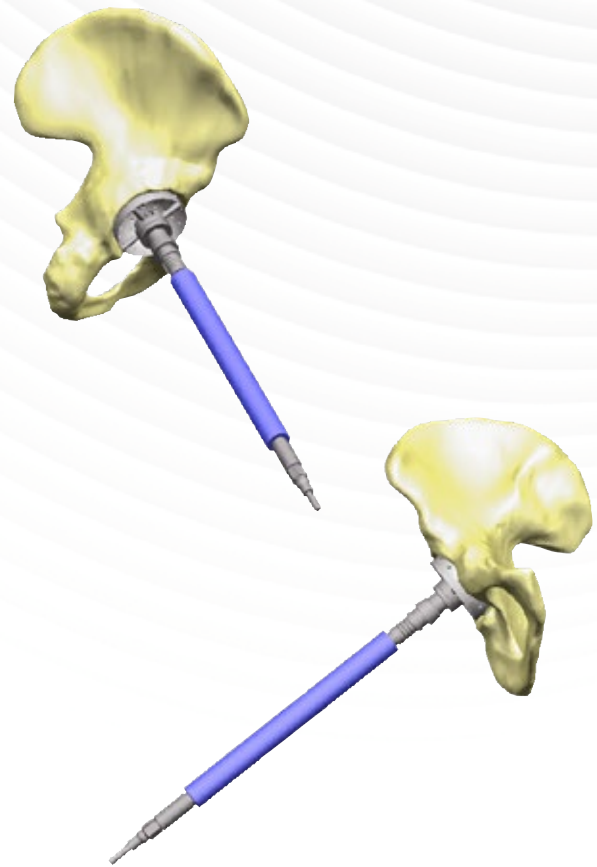
Diameter	Titanium Left	Titanium Right	St.Steel Left	St.Steel Right
44 mm	10222022001	10222012001	10222021001	10222011001
46 mm	10222022002	10222012002	10222021002	10222011002
48 mm	10222022003	10222012003	10222021003	10222011003
50 mm	10222022004	10222012004	10222021004	10222011004
52 mm	10222022005	10222012005	10222021005	10222011005
54 mm	10222022006	10222012006	10222021006	10222011006
56 mm	10222022007	10222012007	10222021007	10222011007
58 mm	10222022008	10222012008	10222021008	10222011008
60 mm	10222022060	10222012060	10222021060	10222011060
62 mm	10222022062	10222012062	10222021062	10222011062
64 mm	10222022064	10222012064	10222021064	10222011064

Preparation of the Acetabulum

After the femoral head and neck are cut and removed, the acetabulum is revealed.

The Acetabular Reamer and Acetabular Reamer are mounted on the Shaft and the cartilage is first removed using a motorized hand tool, then gradually expanded and deepened starting from the smallest size. When the cortical structure is reached, the appropriate form is achieved

! Holes can be created in the acetabulum to ensure cement adherence.

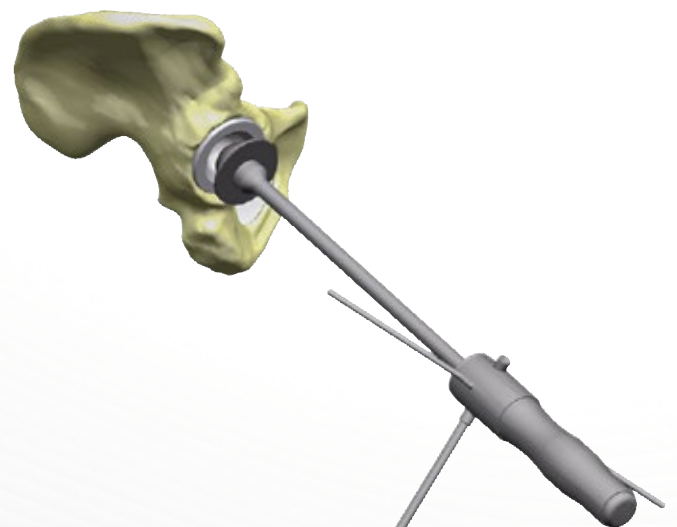


Implantation

Acetabular Cup should be used that is 2 mm smaller than the diameter of the last Acetabular Reamer.

Clean the acetabulum before insertion. Use a cement gun to deliver the cement into the acetabulum.

In general, in aligning the acetabular cup, the abduction angle is desired to be 40-45 degrees and the anteversion angle is desired to be 10-15 degrees. These angles are also valid for the alignment of the acetabular reamer handle described in acetabular reamer. Most experienced surgeons prefer to examine these angles carefully and use the positioner to achieve these angles.

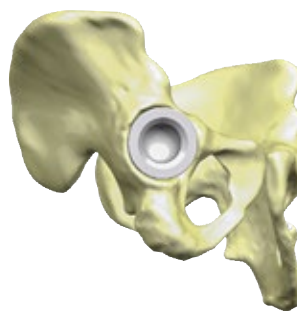


Implantation

There are slots on both sides of the positioner to which the positioning rod can be attached. The positioner makes an angle of 12 degrees with the vertical axis of the Cup Impactor. The positioner has 2 short rods permanently fixed at a 40-degree angle to the horizontal axis of the impactor handle. In the anterolateral approach, the patient should lie supine on the operating table, with the letter L on top for the left hip operation and the letter R on top for the right hip operation. The positioner should be grasped firmly by the handle and held in place, but it is possible to rotate the positioner by holding the handle until the correct letter is on top. With the positioner in the correct position, the surgeon can then determine the desired alignment of the handle, usually depending on the surgical approach and the patient's position on the operating table.

Mount the Headgear with the Cap. With this mount, hold the Acetabular Cup in position without disturbing the position until the cement sets.

Then clean off the excess cement around the acetabulum.

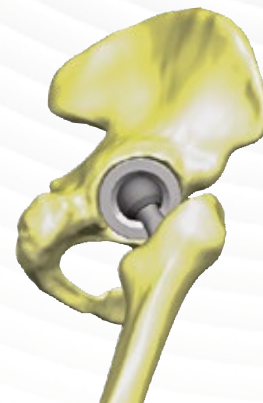


Trial

Perform a trial placement with the implanted stem and test sphere after the cement has set and before final seating.

To facilitate the assembly of the Test Spheres, wet the sphere before insertion.

After the trial placement, leg length, muscle tension, balance and range of motion should be checked.



! Care should be taken to avoid damaging the Acetabula Cup during application. Rough or damaged surfaces can cause rapid deterioration.

Use of Ring

It is especially preferred in revision hip arthroplasty where the existing bone stock is not sufficient.

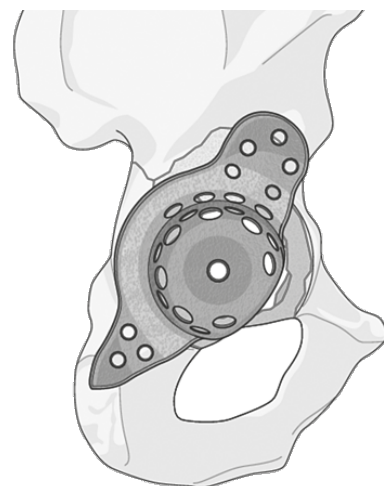
Strengthening the acetabulum using a ring is used in osteoporosis, rheumatoid arthritis, acetabular roof cysts, simultaneous bone graft, small dysplastic hips, post-arthrodesis and socket revision cases in total hip prosthesis applications.

Rings are used to support the superior acetabular roof, while Reinforcement Cage is used to protect and support the entire acetabulum, extending from the ilium to the ischium.

The last Acetabular Reamer used in the preparation of the acetabulum and the Ring should be used with the same diameter.

The ring is compressed into the acetabulum with a metal impact. The area of the screw holes should have sufficient bone contact. It is fixed with 3 to 6 cancellous screws.

Proceed to the implantation stage.

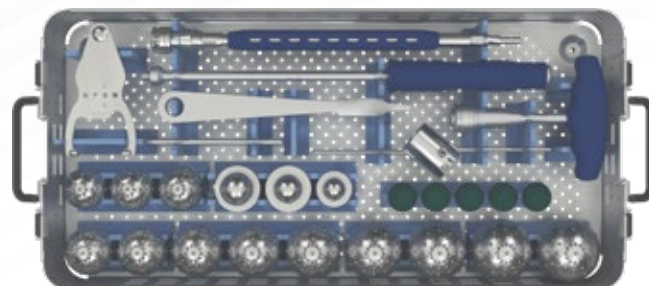


ACETABULAR CUP CEMENTED

Instrumentation Set

TRAY 1

XXXXXXX-XXXX



Code	Description	Unit
10602091001	Positioning Metal Cup Ø 22 mm	1
10602091002	Positioning Metal Cup Ø 28 mm	1
10602091003	Positioning Metal Cup Ø 32 mm	1
10602101005	Hohmann Retractor	2
10602180008	Bar For Positioning Guide	1
10602180009	Positioning Guide	1
10602180010	Cup Impactor Straight	1
10608021011	Gauge For Femoral Head	1
10610021101	Acetabular Reamer Schaft	1
10610040102	T- Handle	1



Code	Description	Unit
10608368001	Test Head for Modular Head / Ø28 - 12*14 Konik - S	1
10608368002	Test Head for Modular Head / Ø28 - 12*14 Konik - M	1
10608368003	Test Head for Modular Head / Ø28 - 12*14 Konik - L	1
10608368004	Test Head for Modular Head / Ø28 - 12*14 Konik - XL	1
10608368005	Test Head for Modular Head / Ø28 - 12*14 Konik - XXL	1
10610021003	Acetabular Reamer / Ø 42	1
10610021004	Acetabular Reamer / Ø 44	1
10610021005	Acetabular Reamer / Ø 46	1
10610021006	Acetabular Reamer / Ø 48	1
10610021007	Acetabular Reamer / Ø 50	1
10610021008	Acetabular Reamer / Ø 52	1
10610021009	Acetabular Reamer / Ø 54	1
10610021010	Acetabular Reamer / Ø 56	1
10610021011	Acetabular Reamer / Ø 58	1
10610021012	Acetabular Reamer / Ø 60	1
10610021013	Acetabular Reamer / Ø 62	1
10610021014	Acetabular Reamer / Ø 64	1

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