

CEMENTED CUP



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Please note:

This document is intended as a guide for the surgeon only. There are multiple techniques for the insertion of Cemented Cup, with any surgical procedure, a surgeon should be thoroughly trained and be aware that this procedure is appropriate for the patient before proceeding.

Cemented Cup

Introduction

Cemented Cups are placed in degenerated anatomical acetabulum and require cement for fixation. Provided with radiopaque wire for post operative visualisation. The Cemented Cup has a chamfered rim along the inner circumference to allow a greater range of motion. The standard 50mm acetabular cup meets the anatomical requirements of major patients, while the 44mm cup is used if the ilium is narrow in cases of high dislocation with migration of the acetabulum. Two larger sizes of acetabular cups, 56, 58 mm have been added to the range to meet special requirements of large boned patients.

Particular attention is paid to the precision machining and surface finish of the acetabular cup, so that, when combined with the femoral component and exceptional stability, hip replacement is achieved with minimal risk of dislocation and minimum wear rate on the acetabular component.

Material

PE-UHMW crosslinked material meets ASTM F 648 and ISO 5834-1/2 standards. Selected for its high degree of purity, bio tolerance, good mechanical performance and friction properties.

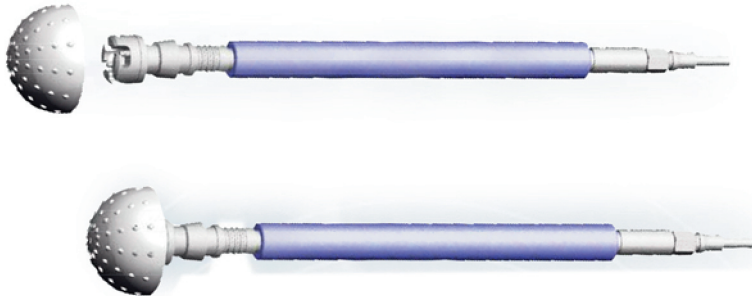
Cemented Cup PE Cross-Linked (Sterile)			
Ref. Number			Outside Diam
Inside Diam			
Ø22	Ø28	Ø32	mm
EB1701U001S	-	-	36
EB1701U002S	-	-	38
EB1701U003S	-	-	40
EB1701U004S	EB1702U042S	-	42
EB1701U005S	EB1702U001S	EB1703U001S	44
-	EB1702U002S	EB1703U002S	46
-	EB1702U003S	EB1703U003S	48
-	EB1702U004S	EB1703U004S	50
-	EB1702U005S	EB1703U005S	52
-	EB1702U006S	EB1703U006S	54
-	EB1702U007S	EB1703U007S	56
-	EB1702U008S	EB1703U008S	58
-	EB1702U060S	EB1703U060S	60
-	EB1702U062S	EB1703U062S	62
-	EB1702U064S	EB1703U064S	64



Cemented Cup

Acetabular Reaming

After the resection of femoral head and neck, the acetabulum is exposed.



Using motorised accessories with Acetabular Reamers (Ref. EB1002S003N-14N) and Acetabular Reamer Shaft (Ref: EB1002S101N), the cartilage is first removed from the acetabulum which is then gradually deepened and widened.

Additional Info

Keyholes could be created in the acetabulum that allow for additional cement purchase.

Acetabular Sizing

Select the Cemented Cup outside diameter that matches the size of the last acetabular reamer used.

Cup Insertion

Prior to inserting the implant, lavage and dry the acetabulum. Mix bone cement and pack it into the created keyholes first. Then pack cement into acetabulum .

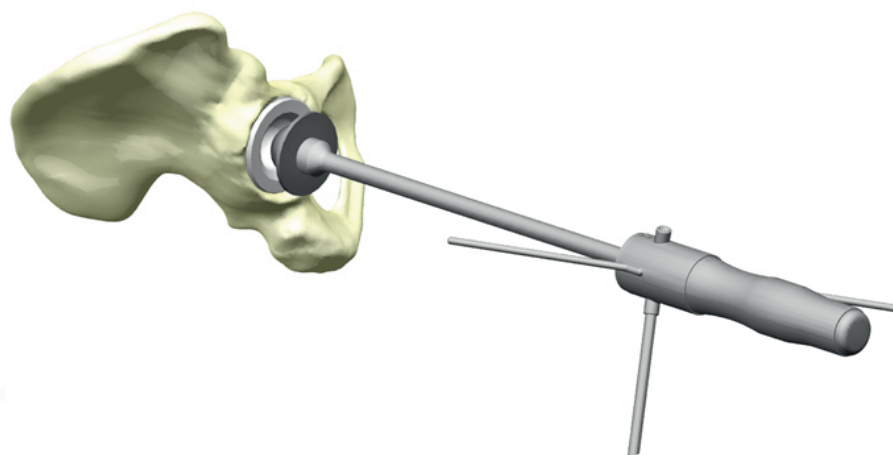
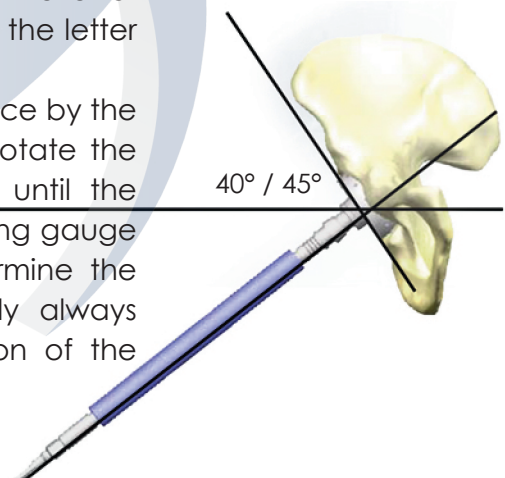
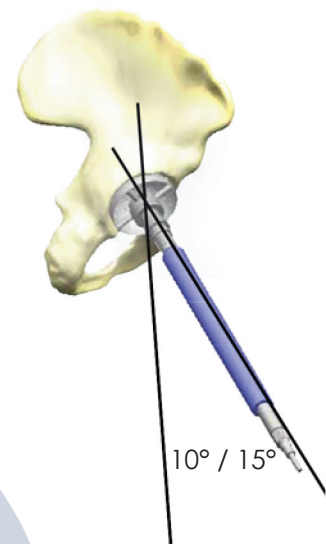
Accordingly, there are no holes in the rim of the Cemented Cup for attachment to a cup introducer handle so the cup has to be inserted by hand into the acetabulum.

Aligning the Cemented Cup

It is generally accepted that an abduction angle of 40 to 45 degrees in conjunction with an anteversion angle of 10 to 15 degrees is preferred when aligning most acetabular cups. The same angle are also recommended for the alignment of the acetabular reamer handle as described in Acetabular reaming. Many experienced surgeons prefer to eyeball these angles but a well proven visual aid to achieve these angles is the Positioning Guide(Ref: EB0218N009N).

The one short Positioning Bar (Ref: EB0218N008N) is attached to the screw-hole on either side of the Positioning Guide which leaves them inclined at 12 degrees from the vertical axis to the cup impactor handle. The positioning guide already has two permanently fixed short rods which are both always at a 40 degrees angle to the horizontal axis (or shaft) of the cup impactor handle. When using an Anterolateral Approach with the patient supine on the operating table, it is usual for the letter 'L' to be uppermost for a procedure on a left hip and the letter 'R' to be uppermost for a procedure on a right hip.

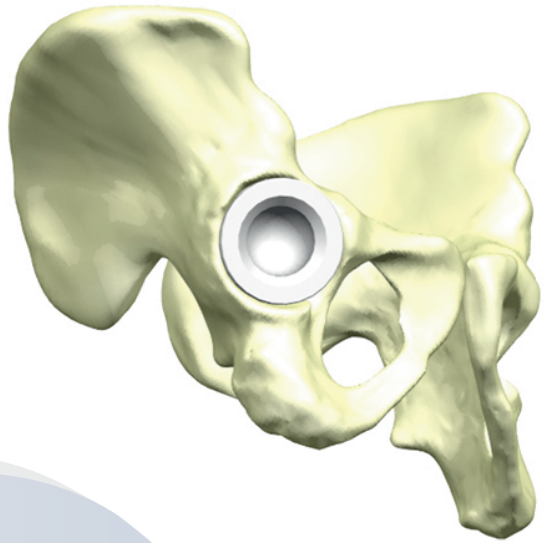
The positioning guide should now be held tightly in place by the grip of the handle, but it should still be possible to rotate the positioning gauge around the grip of the handle until the correct letter is showing uppermost. With the positioning gauge in the correct position the surgeon can now determine the preferred alignment of the handle which obviously always depends on the surgical approach and the position of the patient on the operating table.



Cemented Cup

Final Cup Position

Apply continuous pressure during bone cement polymerization. Cement can then be trimmed to contour the acetabulum.

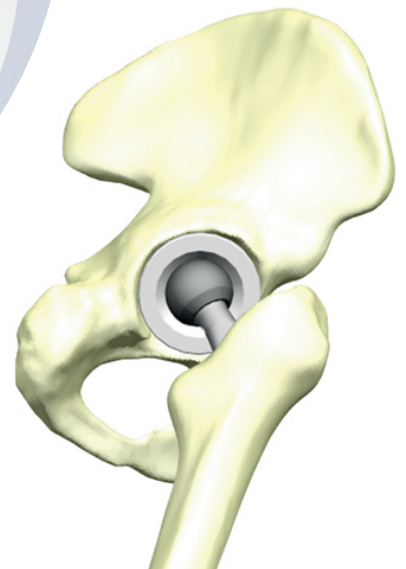


Reduction

Trim excess cement and remove debris from the interior of the cup before reducing the hip. Perform a trial reduction with an implanted stem and trial head after cement has cured and prior to final reduction.

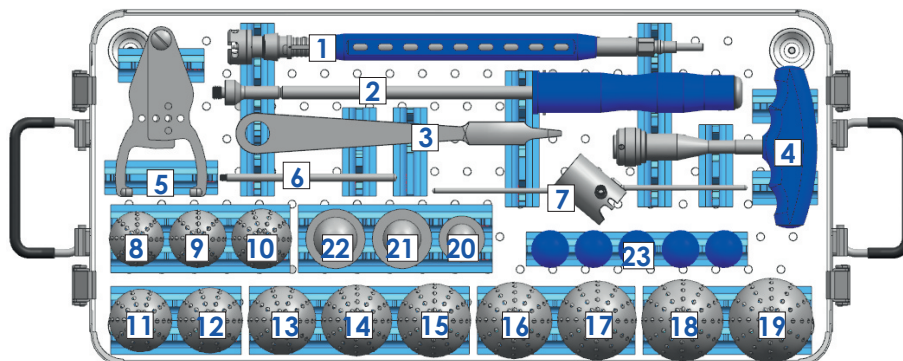
Attention

Care should be taken to avoid notching, scratching, or striking the prosthesis. A roughened or marred provisional could result in sudden failure of the prosthesis.



Cemented Cup

Cemented Cup Trays & Instruments Set (EK0306N040N)



No	Ref. Number	Description
1	EE1002S101N	Acetabular Reamer Shaft
2	EE0218N010N	Cup Impactor Straight
3	EE0210S005N	Hohmann Retractor Type 5/17
4	EE1004N001N	T Handle for Acetabular Reamer
5	EE0802S011N	Femoral Head Gauge
6	EE0218N008N	Positioning Guide Bar
7	EE0218N009N	Positioning Guide
8	EE1002S003N	Acetabular Reamer / Ø42
9	EE1002S004N	Acetabular Reamer / Ø44
10	EE1002S005N	Acetabular Reamer / Ø46
11	EE1002S006N	Acetabular Reamer / Ø48
12	EE1002S007N	Acetabular Reamer / Ø50
13	EE1002S008N	Acetabular Reamer / Ø52
14	EE1002S009N	Acetabular Reamer / Ø54
15	EE1002S010N	Acetabular Reamer / Ø56
16	EE1002S011N	Acetabular Reamer / Ø58
17	EE1002S012N	Acetabular Reamer / Ø60
18	EE1002S013N	Acetabular Reamer / Ø62
19	EE1002S014N	Acetabular Reamer / Ø64
20	EE0209S001N	Cup Introducer/ 22
21	EE0209S002N	Cup Introducer/ 28
22	EE0209S003N	Cup Introducer/ 32
23	EE3601R001N	TEST HEAD FOR MODULAR STEM / Ø28 - 12*14 - S
	EE3601R002N	TEST HEAD FOR MODULAR STEM / Ø28 - 12*14 - M
	EE3601R003N	TEST HEAD FOR MODULAR STEM / Ø28 - 12*14 - L
	EE3601R004N	TEST HEAD FOR MODULAR STEM / Ø28 - 12*14 - XL
	EE3601R005N	TEST HEAD FOR MODULAR STEM / Ø28 - 12*14 - XXL

Notice:

Cemented Cup Ø32 & Ø36, you need below test heads, it depends on the purchasing.

Ø32 EE3604R001N-005N TEST HEAD FOR MODULAR STEM / Ø32 - 12*14 - S-XXL

Ø36 EE3603R001N-005N TEST HEAD FOR MODULAR STEM / Ø36 - 12*14 - S-XXL



HOW TO CONTACT US

Euromed Implants GmbH
Wilhadi-Kirchhof 13
21682 Stade, Germany

Phone: +49 (0) 4141 7897 290
Fax: +49 (0) 4141 7782 700

office@euromed-implants.de
inquiry@euromed-implants.de
www.euromed-implants.de