

Hip Implants



BIOTECH

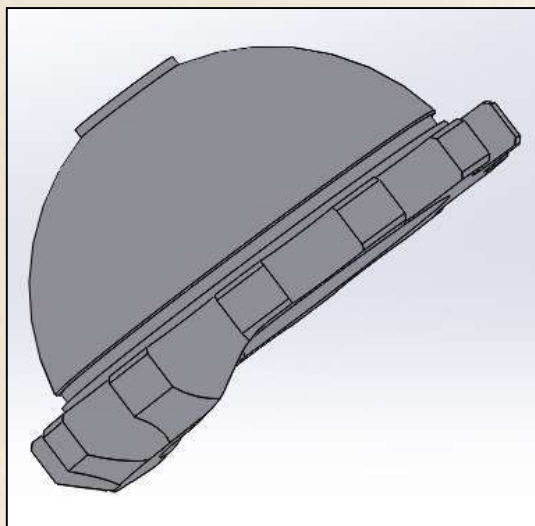
“Movement is Life”



016-1211-2600	Modular Head	Ø 26mm; taper 12/14; neck: Small -3,5mm	High-Nitrogen Stainless Steel
016-1211-2800	Modular Head	Ø 28mm; taper 12/14; neck: Small -3,5mm	High-Nitrogen Stainless Steel
016-1211-3200	Modular Head	Ø 32mm; taper 12/14; neck: Small -3,5mm	High-Nitrogen Stainless Steel
016-1211-3600	Modular Head	Ø 36mm; taper 12/14; neck: Small -3,5mm	High-Nitrogen Stainless Steel
016-1212-2600	Modular Head	Ø 26mm; taper 12/14; neck: Medium +0mm	High-Nitrogen Stainless Steel
016-1212-2800	Modular Head	Ø 28mm; taper 12/14; neck: Medium +0mm	High-Nitrogen Stainless Steel
016-1212-3200	Modular Head	Ø 32mm; taper 12/14; neck: Medium +0mm	High-Nitrogen Stainless Steel
016-1212-3600	Modular Head	Ø 36mm; taper 12/14; neck: Medium +0mm	High-Nitrogen Stainless Steel
016-1213-2600	Modular Head	Ø 26mm; taper 12/14; neck: Large +3,5mm	High-Nitrogen Stainless Steel
016-1213-2800	Modular Head	Ø 28mm; taper 12/14; neck: Large +3,5mm	High-Nitrogen Stainless Steel
016-1213-3200	Modular Head	Ø 32mm; taper 12/14; neck: Large +3,5mm	High-Nitrogen Stainless Steel
016-1213-3600	Modular Head	Ø 36mm; taper 12/14; neck: Large +3,5mm	High-Nitrogen Stainless Steel
016-1214-2600	Modular Head	Ø 26mm; taper 12/14; neck: XLarge +7mm	High-Nitrogen Stainless Steel
016-1214-2800	Modular Head	Ø 28mm; taper 12/14; neck: XLarge +7mm	High-Nitrogen Stainless Steel
016-1214-3200	Modular Head	Ø 32mm; taper 12/14; neck: XLarge +7mm	High-Nitrogen Stainless Steel
016-1214-3600	Modular Head	Ø 36mm; taper 12/14; neck: XLarge +7mm	High-Nitrogen Stainless Steel
016-1215-2600	Modular Head	Ø 26mm; taper 12/14; neck: XXLarge +10,5mm	High-Nitrogen Stainless Steel
016-1215-2800	Modular Head	Ø 28mm; taper 12/14; neck: XXLarge +10,5mm	High-Nitrogen Stainless Steel

016-1215-3200	Modular Head	Ø 32mm; taper 12/14; neck: XXLarge +10,5mm	High-Nitrogen Stainless Steel
016-1215-3600	Modular Head	Ø 36mm; taper 12/14; neck: XXLarge +10,5mm	High-Nitrogen Stainless Steel
016-1216-2600	Modular Head	Ø 26mm; taper 12/14; neck: XXXLarge +14mm	High-Nitrogen Stainless Steel
016-1216-2800	Modular Head	Ø 28mm; taper 12/14; neck: XXXLarge +14mm	High-Nitrogen Stainless Steel
016-1216-3200	Modular Head	Ø 32mm; taper 12/14; neck: XXXLarge +14mm	High-Nitrogen Stainless Steel
016-1216-3600	Modular Head	Ø 36mm; taper 12/14; neck: XXXLarge +14mm	High-Nitrogen Stainless Steel
016-1217-2600	Modular Head	Ø 26mm; taper 12/14; neck: XXXXLarge +17,5mm	High-Nitrogen Stainless Steel
016-1217-2800	Modular Head	Ø 28mm; taper 12/14; neck: XXXXLarge +17,5mm	High-Nitrogen Stainless Steel
016-1217-3200	Modular Head	Ø 32mm; taper 12/14; neck: XXXXLarge +17,5mm	High-Nitrogen Stainless Steel
016-1217-3600	Modular Head	Ø 36mm; taper 12/14; neck: XXXXLarge +17,5mm	High-Nitrogen Stainless Steel

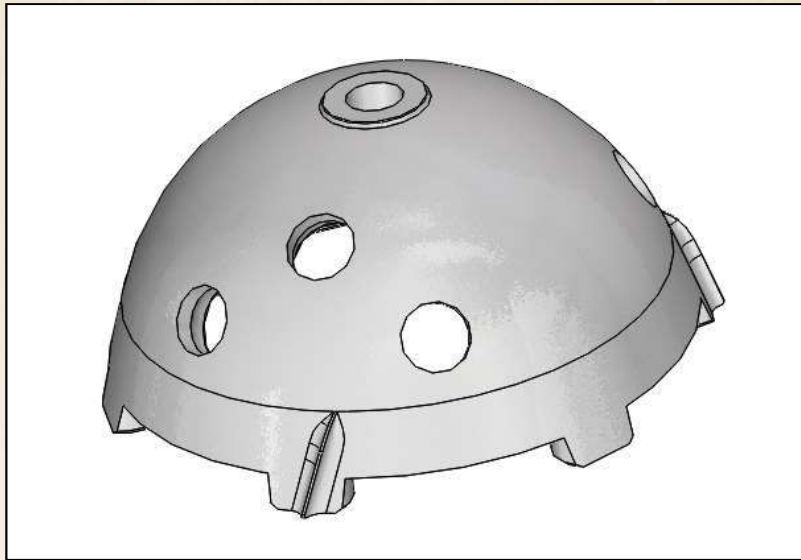




022-2123-2022	Modular Acetabular Inlay	20 / 22mm, high-wall	UHMWPE
022-2123-2122	Modular Acetabular Inlay	21 / 22mm, high-wall	UHMWPE
022-2123-2228	Modular Acetabular Inlay	22 / 28mm, high-wall	UHMWPE
022-2123-2232	Modular Acetabular Inlay	22 / 32mm, high-wall	UHMWPE
022-2123-2236	Modular Acetabular Inlay	22 / 36mm, high-wall	UHMWPE
022-2123-2328	Modular Acetabular Inlay	23 / 28mm, high-wall	UHMWPE
022-2123-2332	Modular Acetabular Inlay	23 / 32mm, high-wall	UHMWPE
022-2123-2336	Modular Acetabular Inlay	23 / 36mm, high-wall	UHMWPE
022-2123-2428	Modular Acetabular Inlay	24 / 28mm, high-wall	UHMWPE
022-2123-2432	Modular Acetabular Inlay	24 / 32mm, high-wall	UHMWPE
022-2123-2436	Modular Acetabular Inlay	24 / 36mm, high-wall	UHMWPE
022-2123-2528	Modular Acetabular Inlay	25 / 28mm, high-wall	UHMWPE
022-2123-2532	Modular Acetabular Inlay	25 / 32mm, high-wall	UHMWPE
022-2123-2536	Modular Acetabular Inlay	25 / 36mm, high-wall	UHMWPE
022-2123-2628	Modular Acetabular Inlay	26 / 28mm, high-wall	UHMWPE
022-2123-2632	Modular Acetabular Inlay	26 / 32mm, high-wall	UHMWPE
022-2123-2636	Modular Acetabular Inlay	26 / 36mm, high-wall	UHMWPE
022-2123-2728	Modular Acetabular Inlay	27 / 28mm, high-wall	UHMWPE
022-2123-2732	Modular Acetabular Inlay	27 / 32mm, high-wall	UHMWPE
022-2123-2736	Modular Acetabular Inlay	27 / 36mm, high-wall	UHMWPE
022-2123-2828	Modular Acetabular Inlay	28 / 28mm, high-wall	UHMWPE
022-2123-2832	Modular Acetabular Inlay	28 / 32mm, high-wall	UHMWPE
022-2123-2836	Modular Acetabular Inlay	28 / 36mm, high-wall	UHMWPE
022-2123-2928	Modular Acetabular Inlay	29 / 28mm, high-wall	UHMWPE
022-2123-2932	Modular Acetabular Inlay	29 / 32mm, high-wall	UHMWPE
022-2123-2936	Modular Acetabular Inlay	29 / 36mm, high-wall	UHMWPE



091-1100-0002	Hole Cover Screw for Acetabular Press-fit Shells	TiAl6V4
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033-1120-0538	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 38mm / Inlay: 20	TiAl6V4
033-1120-0540	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 40mm / Inlay: 20	TiAl6V4
033-1121-0542	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 42mm / Inlay: 21	TiAl6V4
033-1121-0544	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 44mm / Inlay: 21	TiAl6V4

033-1122-0546	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 46mm / Inlay: 22	TiAl6V4
033-1122-0548	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 48mm / Inlay: 22	TiAl6V4
033-1123-0550	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 50mm / Inlay: 23	TiAl6V4
033-1123-0552	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 52mm / Inlay: 23	TiAl6V4
033-1124-0554	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 54mm / Inlay: 24	TiAl6V4
033-1124-0556	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 56mm / Inlay: 24	TiAl6V4
033-1125-0558	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 58mm / Inlay: 25	TiAl6V4
033-1125-0560	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 60mm / Inlay: 25	TiAl6V4
033-1126-0562	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 62mm / Inlay: 26	TiAl6V4
033-1126-0564	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 64mm / Inlay: 26	TiAl6V4
033-1127-0566	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 66mm / Inlay: 27	TiAl6V4
033-1127-0568	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 68mm / Inlay: 27	TiAl6V4
033-1128-0570	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 70mm / Inlay: 28	TiAl6V4
033-1128-0572	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 72mm / Inlay: 28	TiAl6V4
033-1129-0574	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 74mm / Inlay: 29	TiAl6V4
033-1129-0576	BA BIOTAN Threaded Acetabular Press-fit Shell w. double coating (TPS+HA)	Ø 76mm / Inlay: 29	TiAl6V4



001-1117-0625	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	6,25x135mm, uncemented	TiAl6V4
001-1117-0750	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	7,50x135mm, uncemented	TiAl6V4
001-1117-0875	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	8,75x135mm, uncemented	TiAl6V4
001-1117-1000	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	10,00x140mm, uncemented	TiAl6V4
001-1117-1125	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	11,25x140mm, uncemented	TiAl6V4
001-1117-1250	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	12,50x140mm, uncemented	TiAl6V4
001-1117-1375	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	13,75x145mm, uncemented	TiAl6V4
001-1117-1500	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	15,00x150mm, uncemented	TiAl6V4
001-1117-1625	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	16,25x150mm, uncemented	TiAl6V4
001-1117-1750	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	17,50x155mm, uncemented	TiAl6V4
001-1117-1875	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	18,75x155mm, uncemented	TiAl6V4
001-1117-2000	BA BIOTAN Femoral Stem w. double coating (TPS+HA)	20,00x155mm, uncemented	TiAl6V4



010-1316-0625	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	6,25x135mm, uncemented	TiAl6V4
010-1316-0750	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	7,50x135mm, uncemented	TiAl6V4
010-1316-0875	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	8,75x135mm, uncemented	TiAl6V4
010-1316-1000	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	10,00x140mm, uncemented	TiAl6V4
010-1316-1125	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	11,25x140mm, uncemented	TiAl6V4
010-1316-1250	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	12,50x140mm, uncemented	TiAl6V4
010-1316-1375	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	13,75x145mm, uncemented	TiAl6V4
010-1316-1500	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	15,00x150mm, uncemented	TiAl6V4
010-1316-1625	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	16,25x150mm, uncemented	TiAl6V4
010-1316-1750	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	17,50x155mm, uncemented	TiAl6V4
010-1316-1875	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	18,75x155mm, uncemented	TiAl6V4
010-1316-2000	BA BIOTAN Lateralised (121°) Femoral Stem w. double coating (TPS+HA)	20,00x155mm, uncemented	TiAl6V4



151-0111-6520	Acetabular Fixation Screw	Low profile; D:6,5mm; L:20mm	TiAl6V4
151-0111-6525	Acetabular Fixation Screw	Low profile; D:6,5mm; L:25mm	TiAl6V4
151-0111-6530	Acetabular Fixation Screw	Low profile; D:6,5mm; L:30mm	TiAl6V4
151-0111-6535	Acetabular Fixation Screw	Low profile; D:6,5mm; L:35mm	TiAl6V4
151-0111-6540	Acetabular Fixation Screw	Low profile; D:6,5mm; L:40mm	TiAl6V4
151-0111-6545	Acetabular Fixation Screw	Low profile; D:6,5mm; L:45mm	TiAl6V4
151-0111-6550	Acetabular Fixation Screw	Low profile; D:6,5mm; L:50mm	TiAl6V4
151-0111-6555	Acetabular Fixation Screw	Low profile; D:6,5mm; L:55mm	TiAl6V4
151-0111-6560	Acetabular Fixation Screw	Low profile; D:6,5mm; L:60mm	TiAl6V4

“Movement is life”

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Biotech Acetabular Cup System

Product Catalog



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"Movement is Life"

CIF Uncemented Acetabular System

Long term survival of acetabular components is depending on established design considerations such as: initial stability, ingrowth surface, insert fixation and insert/shell congruency. The CIFacetabular components meet those criteria, thereby offering a solution to stable acetabular component fixation.

The titanium hemispherical shell is available in 5-holed and solid (1 hole) version. Both are provided with a 15° rim flare, oblique peripheral fins and tabs on the rim for rotational stability and additional fixation, and coated in Biotan plasma-sprayed porous titanium coating, or optionally Hydroxyapatite coating. Option: subhemispherical outer shape of press-fit.

Size range from 38-90 mm Ø with 2 mm increment. Small sizes are intended for dysplasia cases (Ø 38-44 mm) with inserts with 22 mm inner diameter.

The threaded apical hole allows the surgeon to check the apposition of the cup to the acetabular bone, either visual or by means of a probe.

Insert congruency minimizes „cold flow“ and potential back side wear because of relative motion.

Uniform polyethylene better distributes stresses over the cup inner surface.

The Rim flare at outer geometry of the (sub)hemispherical shell, contributes significantly to the primary stability, yet allowing size-for-size reaming. The „Cliplock“ fixation mechanism securely locks the inserts and provides a maximum resistance to lever-out and push-out forces.

Rim tabs increase rotational stability, thereby contributing to poly wear reduction as a result of micro motion. Oblique Rim fins will further secure the cup against the rotation, providing a firm hold in the anterior and posterior column of the superior acetabular rim, the os pubis and os ischium.

Plasma-sprayed porous titanium coating provides a „scratch fit“ stability and a seal at the implant/bone interface, reducing polyethylene debris and fluids to migrate causing possible osteolysis. Coating specifications: porosity approximately 30%, pore size ranges from 75 to 350 micron, thickness of 500 micron. The superior biocompatibility of the coating material and specifications is known by its well-documented bone response. Option: hydroxyapatite coating.

The holed cup is designed for additional screw fixation by means of 6.5 mm Ø cancellous bone screws, available in lengths 10-65 mm / 5 mm increments.

Polyethylene inserts are manufactured from UHMWPE, packed and gamma irradiated in oxygen

free environment to strongly improve wear resistance. Inserts are available in 22 mm, 28 mm, 32mm, 36 mm and optional 26 mm inner diameter.

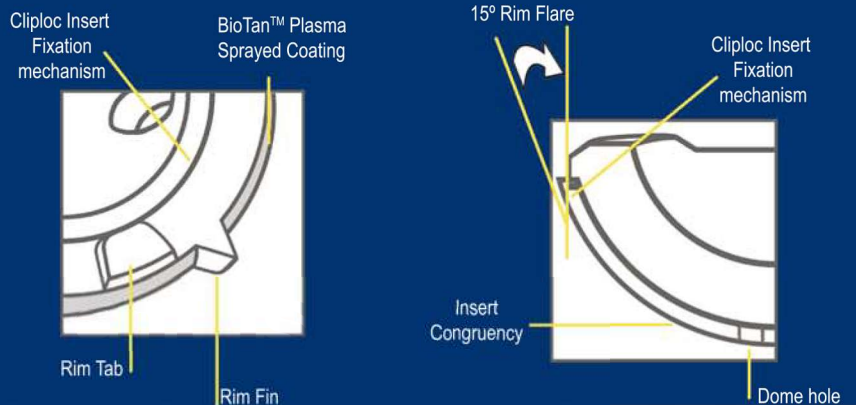
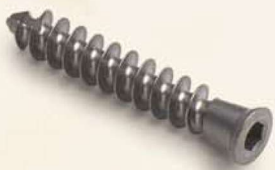
Option: polyethylene inserts with possibility of slope, „cross-linked“ inserts and „High Wall“ inserts for extended joint surface, which increase acetabular stability and can be inserted at any position. Ceramical inserts are also available in 28 mm, 32 mm and 36 mm diameter, and metal inserts in 28 mm, 32 mm and 36 mm diameter.

Possibility of intraoperative combining of inserts (ceramical/metal/polyethylene) into the same metal acetabulum. Possibility of combining the ceramical insert with a the metal head.

In Biotech hip system, revision acetabular components are available, with three-pointed fixation using the cancellous bone screws (Ø 6.5 mm, length 10-65 mm), holes for fixating to the acetabular rim and holes for fixation of bone substitute; and revision hip inserts.

Modular revision acetabular press-fit is available in cemented and uncemented version with hydroxyapatite coating, in 44-60 mm diameter. Revision polyethylene inserts are available in two version: standard and with 15° elevation which allows the lateralisation of the head, in 44-60 mm diameter.

Biotech hip system can be implanted using the minimal invasive surgical technique



Acetabular component Type "Müller" – Cemented All Poly

Cemented all poly acetabular components type „Müller“ have proven over the years to provide lasting services. This hemispherical design is available in sizes ranging from 38 to 70 mm diameter, with 2 mm increments.

Wear characteristics are improved by manufacturing the acetabular components from UHMWPE according to ISO 5834-2.

To further improve wear resistance, all components are gamma irradiated in an oxygen free environment.

Grooves are circumferentially applied for enhanced cement/ cup fixation, without compromising the minimally required polyethylene thickness.

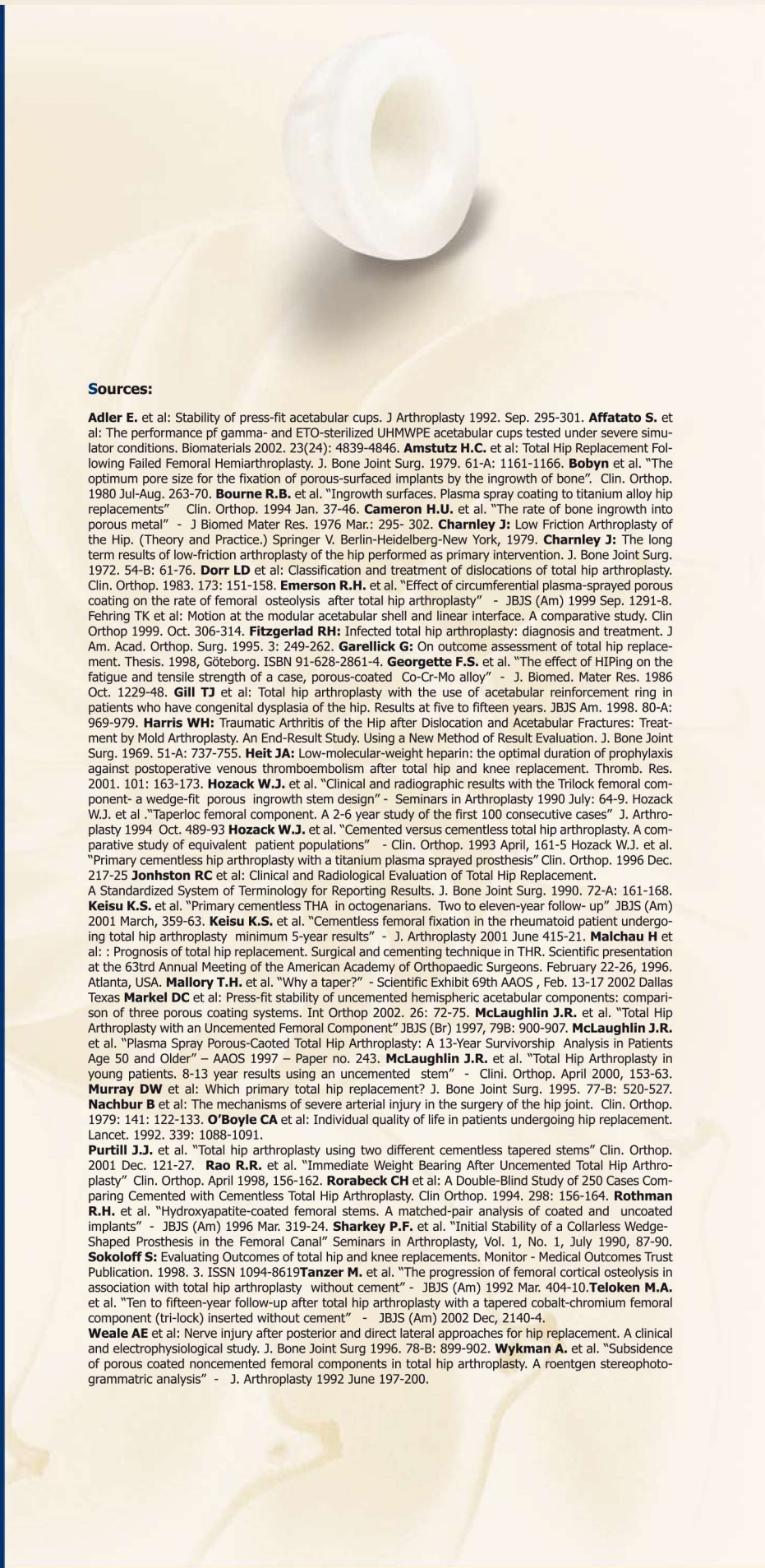
Angle and Version of the acetabular component can be calculated from AP X-ray through a metal wire applied parallel to the equator of the acetabular component.

Range of Motion is maximised through a 30° chamfer around the bore of the cup. This chamfer allows for an increase in RoM, thereby strongly reducing the possibility of neck / cup impingement, which might result in:

- Sub-luxation
- Luxation
- Early loosening
- Accelerated Polyethylene wear

Simple & Functional

- The cemented acetabular component type „Müller“ is manufactured from UHMWPE and gamma irradiated under oxygen free conditions.
- Components are available from 38-70 mm outer Ø, in 2 mm increments
- Circumferentially applied grooves strongly enhance cup / cement fixation
- Head inner Ø 22mm, 26mm, 28mm and 32mm



Sources:

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"Movement is Life"

BA Hip Stem System

Product Catalog



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BA Hip Stem

The concept of this femoral component relies on a close prosthesis-bone contact in both medial and lateral zones. The stem geometry shows a proximal to distal 3 degree taper providing a greater femoral canal fill, improving rotational stability and transferring load in the proximal calcar region to restore near normal stress distribution. Proximal off-loading reduces stress-shielding and thereby minimizes the potential for loosening. Straight stemmed wedge-shaped prosthesis have been widely used throughout more than 20 years and have proven to be very effective in both cemented as well as uncemented cases.

Rotational Stability

A critical parameter for successful THR is rotational stability, to which the design of the BA stem contributes through its geometry in combination with being collar-less. A collar-less prosthesis tends to allow for self seating, thereby improving load transfer to the femur and maintaining stability.

Lasting Fixation – Uncemented / Cemented Stems

Long term survival of uncemented components depends not only on implant material and geometry, but also on the coating used for a biological fixation. For this reason, BioTech™ has chosen the well-proven process of applying a circumferential plasma-sprayed porous titanium coating. This type of "closed-pore" coating has no inter-connective spaces, a pore size ranging between 75-350 micron, thickness of 500 micron and approximately 30% porosity. By sealing off the femur for transport of fluids and debris particles, known for its negative effect on implant survival due to osteolysis, long term fixation concern has been addressed. Since only the titanium powder is heated during the spraying process, the high mechanical properties of the forged implant itself are maintained. The excellent biocompatibility of titanium will generate a strong bone response, resulting in a proper implant fixation. The controlled oversize provides excellent initial stability (scratch fit), allowing for rapid full weight bearing post-operatively.

The cemented version of the BA Hip stem, is manufactured from high grade forged CoCrMo for strength and endurance, meeting the philosophy of Müller stems. The special Fixloc™ surface treatment creates a strong bond between cement and implant, improving the shear strength when compared to other smooth finished orthopaedic implants. With a consistent cement mantle on both sides of the tapered stem, this wedge configuration reduces the stem-cement interface stresses, thereby increasing the potential for long-term survival.

Preservation of Bone

Many clinical studies have shown that flat wedge-shaped tapered stems are durable, show satisfactory fixation and effective pain relief. The tapered non-collared stems gradually reduce in stiffness, resulting in a very low incidence of mid-thigh pain.

Single set of Instruments

The stem geometry of both the cemented, uncemented and revision stem is similar, which allows for the use of just one set of instruments. This means, that the decision, - which implant to use, can be made intra-operatively. The rasp can be used as a trial prosthesis allowing for trial reduction for leg-length and off-set control. The Biotech hip system can be implanted by minimal invasive surgical technique.

Size Range

The size range of the BA Hip stems is generally accepted for both the cemented and uncemented version. For cemented application there are sizes available ranging from 6.25-20.00 mm. (1.25 mm increments), offering the surgeon a freedom of choice as to how much of a predetermined cement mantle is preferred. The universal set of instruments also allows for line-to-line rasping in case an uncemented stem is chosen, requiring direct initial stability and an optimal fit. The uncemented version offers sizes ranging from 6.25-20.00mm, with 1.25 mm increments. A special 6.25 mm is added to this range of sizes to also service the very narrow femora such as in hip dysplasia. In case of revision special sizes are available.

Easy and Reproducible

The simplicity of the instrumentation, the biomechanical principles and the number of proportionally sized stems, all adds up to making the procedure quick, easy and reproducible.

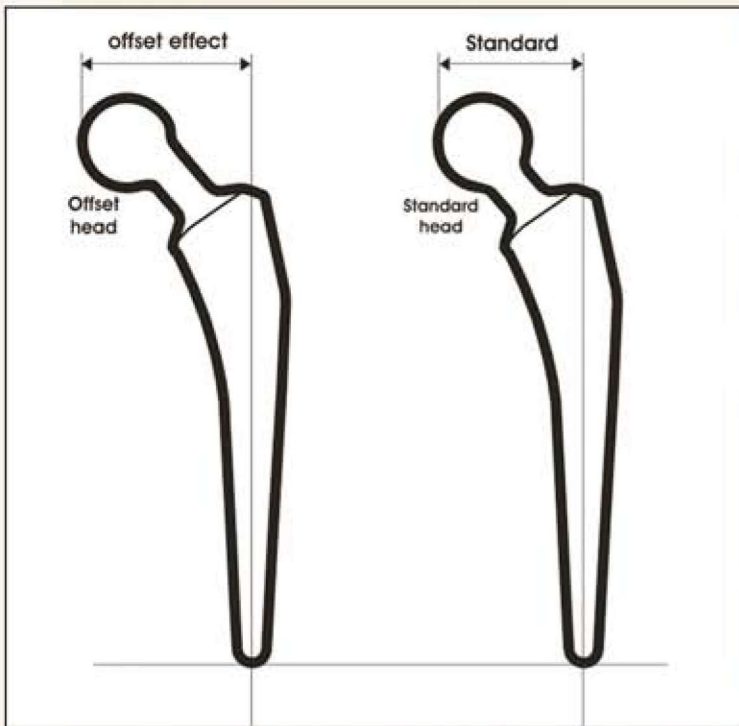
Modularity

The BA femoral prosthesis has a standard 12/14 taper (5°42'30"), to accommodate CoCr and Ceramic (Al₂O₃) modular heads, which are available in various neck length. The parameters of head geometry meet the standards of ISO 7206-02. Combined with the opportunity to perform trial reductions, choosing the best combination for the patient's needs is ensured.

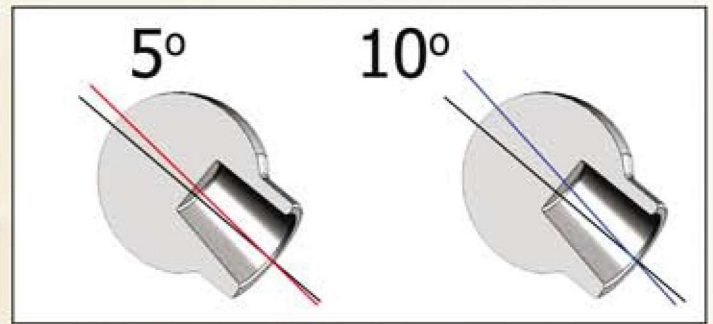


“Movement is Life”

Offset solution - by 5° and 10° offset heads



Theory of the offset solution



Offset heads - CoCr * DIN EN ISO 5832-4 (12/14)

diameter: 28mm

S offset 5°	019-1111-2800
M offset 5°	019-1112-2800
L offset 5°	019-1113-2800
XL offset 5°	019-1114-2800
XXL offset 5°	019-1115-2800

diameter: 28mm

S offset 10°	018-1111-2800
M offset 10°	018-1112-2800
L offset 10°	018-1113-2800
XL offset 10°	018-1114-2800
XXL offset 10°	018-1115-2800

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* optional



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Order Information

Ceramic Modular Heads

diameter: 28 mm

S	016-1311-2800
M	016-1312-2800
L	016-1313-2800
XL	016-1314-2800
XXL	016-1315-2800
XXXL	016-1316-2800
XXXXL	016-1317-2800

diameter: 32 mm

S	016-1311-3200
M	016-1312-3200
L	016-1313-3200
XL	016-1314-3200
XXL	016-1315-3200
XXXL	016-1316-3200
XXXXL	016-1317-3200

Modular Acetabular Ceramic Inlays

22/28 mm	022-2127-2228
22/32 mm	022-2127-2232
23/28 mm	022-2127-2328
23/32 mm	022-2127-2332
24/28 mm	022-2127-2428
24/32 mm	022-2127-2432
25/28 mm	022-2127-2528
25/32 mm	022-2127-2532
26/28 mm	022-2127-2628
26/32 mm	022-2127-2632
27/28 mm	022-2127-2728
27/32 mm	022-2127-2732
28/28 mm	022-2127-2828
28/32 mm	022-2127-2832
29/28 mm	022-2127-2928
29/32 mm	022-2127-2932

Metal Modular heads – CoCr DIN EN ISO 5832-4 (12/14)

diameter: 22,2mm

S *	016-1111-2225
M	016-1112-2225
L	016-1113-2225
XL *	016-1114-2225
XXL *	016-1115-2225

diameter: 26mm *

S	016-1111-2600
M	016-1112-2600
L	016-1113-2600
XL	016-1114-2600
XXL	016-1115-2600

diameter: 28mm

S	016-1111-2800
M	016-1112-2800
L	016-1113-2800
XL	016-1114-2800
XXL	016-1115-2800
XXXL *	016-1116-2800
XXXXL *	016-1117-2800

diameter: 32mm

S	016-1111-3200
M	016-1112-3200
L	016-1113-3200
XL	016-1114-3200
XXL	016-1115-3200
XXXL *	016-1116-3200
XXXXL *	016-1117-3200



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