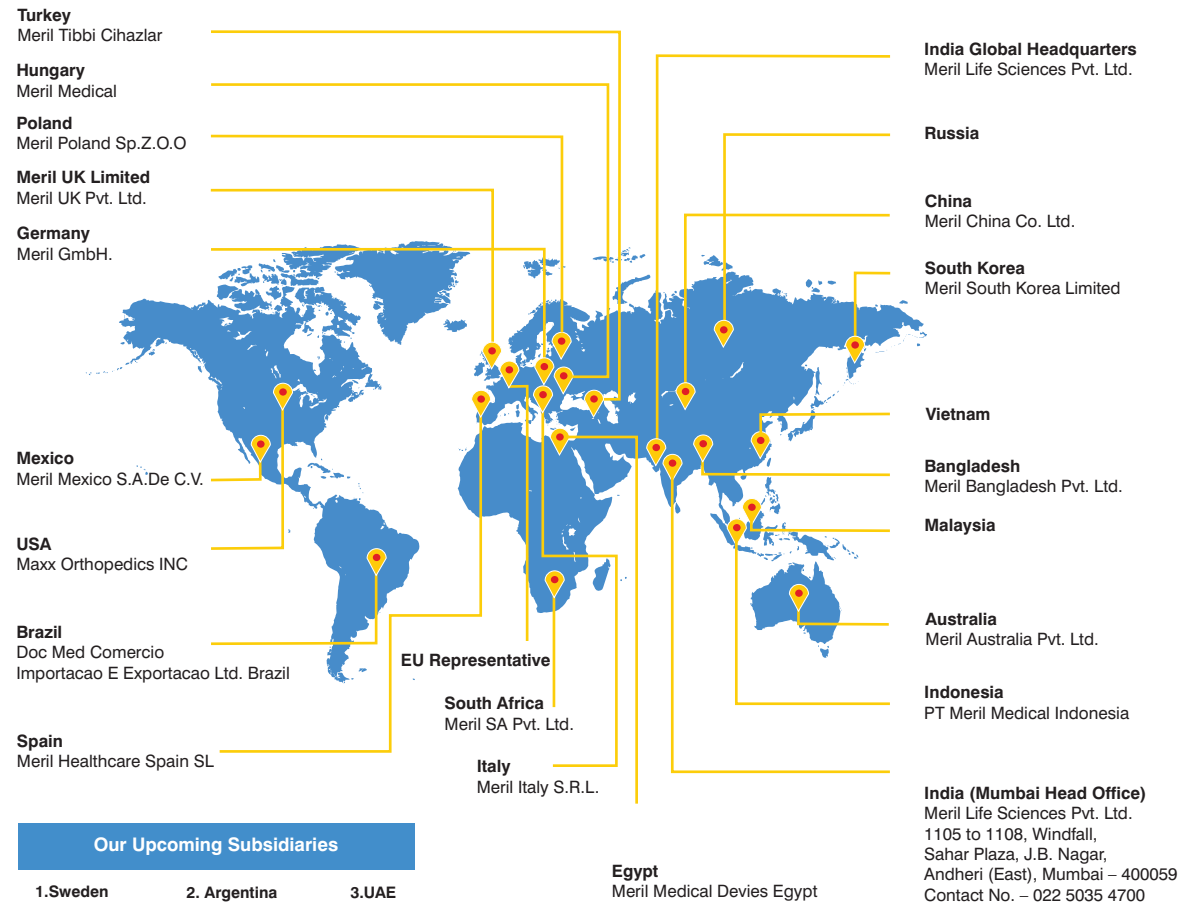


## OUR GLOBAL REACH & FOOTPRINT



# LATITUD™ | HIP SYSTEM Freedom of Choice



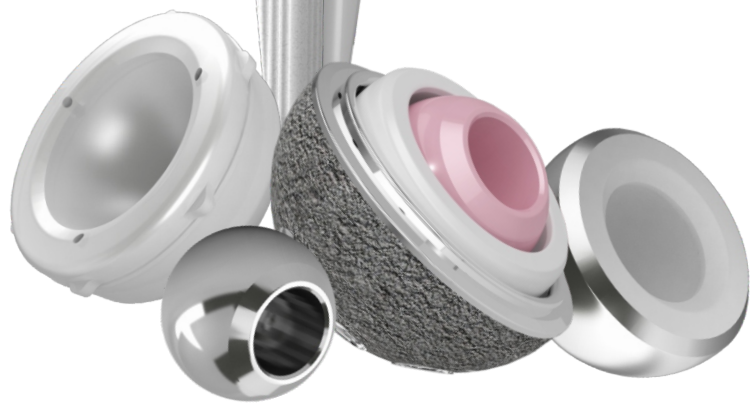
7000+  
Employees

250+  
Products

150+  
Countries  
Presence



## VERSATILE & FLEXIBLE TECHNOLOGY



For more information about LATITUD™  
Please contact your local representative.

Please see the package insert for complete device description, product selection information, indications, contraindications, precautions, adverse effects, warnings, materials, sterilization and patient guidance associated with the LATITUD™ Hip System.

CAUTION: THIS DEVICE IS RESTRICTED TO SALE BY OR ON THE ORDER OF A LICENSED PHYSICIAN

Disclaimers:  
BIOLOX® is registered trademark of CeramTec GmbH

LATITUD™ is manufactured by Meril Healthcare Pvt. Ltd. and LATITUD™ is registered trademark of Meril Healthcare Pvt. Ltd.



LATITUD/ENGBRO/MH/HS/20231807/NER\_2.0

Meril is a global medical device company dedicated towards design and development of novel, clinically relevant, 'state-of-the-art' and 'best-in-class' devices to alleviate human suffering and improve the quality of life, spanning board operational canvas from vascular interventional devices to orthopedics, in-vitro diagnostics endo-surgery and robotics.

We share an enduring commitment to advance healthcare solutions, so more patients live longer, healthier lives. We thus have a strong commitment towards R&D and adherence to best standards in manufacturing, scientific communication and distribution.

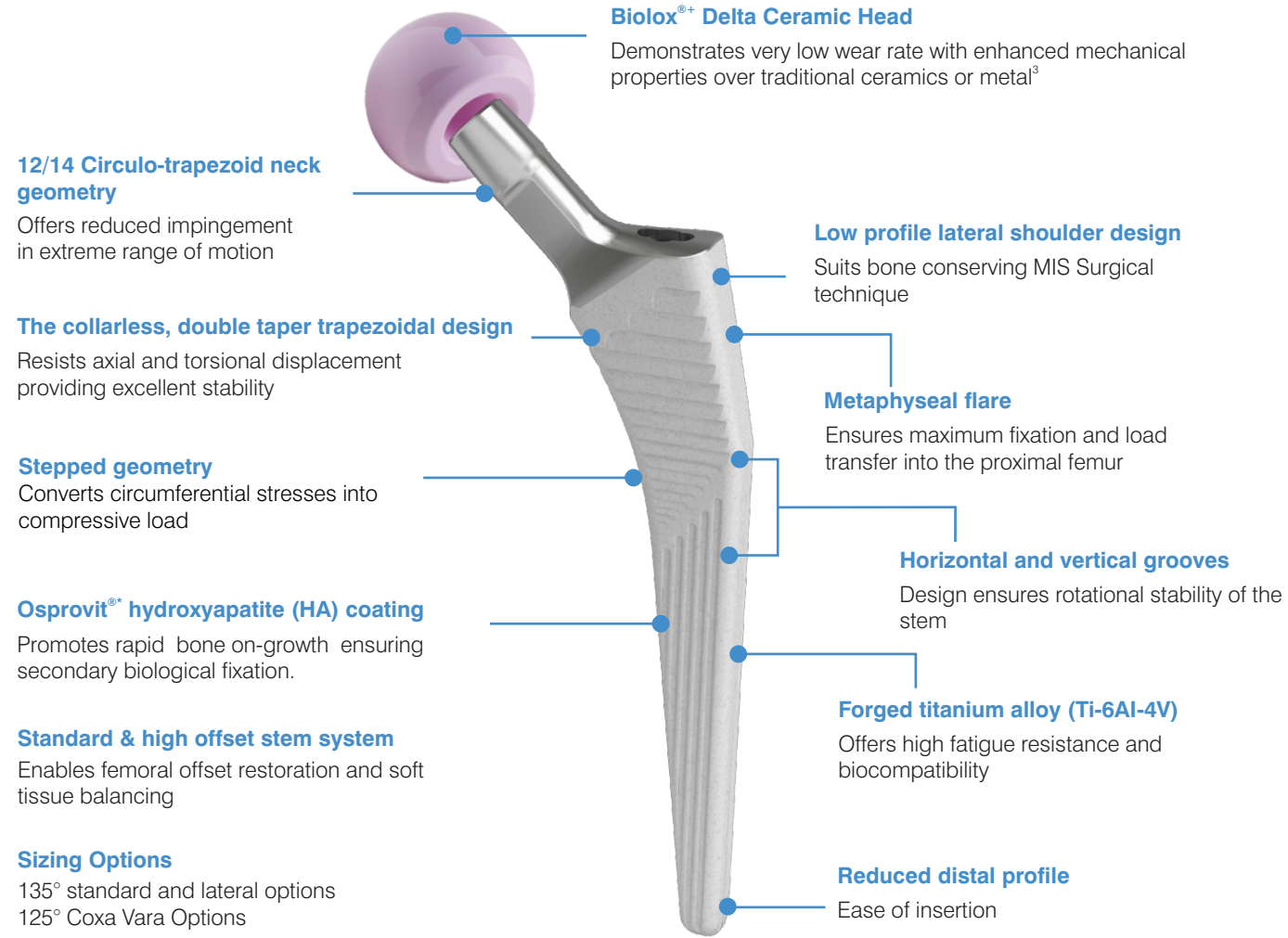
Meril orthopedics, a venture of Meril in association with Maxx Ortho Inc ([www.maxxortho.com](http://www.maxxortho.com)), is at the helm of developing and marketing innovative orthopedic implants. Our joint replacement technologies and wide range of products make us valuable to healthcare institutions in more than 80+ countries.

## Meril Orthopedics | HIP SYSTEM

At Meril, with Latitud™ - Hip Replacement System, we are combining long term clinically proven implant designs with a simple, efficient & precise instrumentation along with versatile & optimised implants inventory. Meril's Latitud™ - Hip Replacement System consists of both cementless and cemented femoral components along with cementless, cemented acetabular components and bipolar options. Operating surgeons have option of offering Delta Ceramic or Metal Heads with clinically proven highly cross linked PE to their patients.



Cementless Stem System



The combination of design and the HA coating of the LATITUD™ Hip Replacement System has been proven to work with over 25 years of clinical evidences. LATITUD™ cementless stems are recommended to be used with Latitud CoCr Metal Heads or BioloX®+ Delta Ceramic Heads. LATITUD™ cementless size zero(0) stem is recommended to be used for patient's weight within 50 kg's.

References:

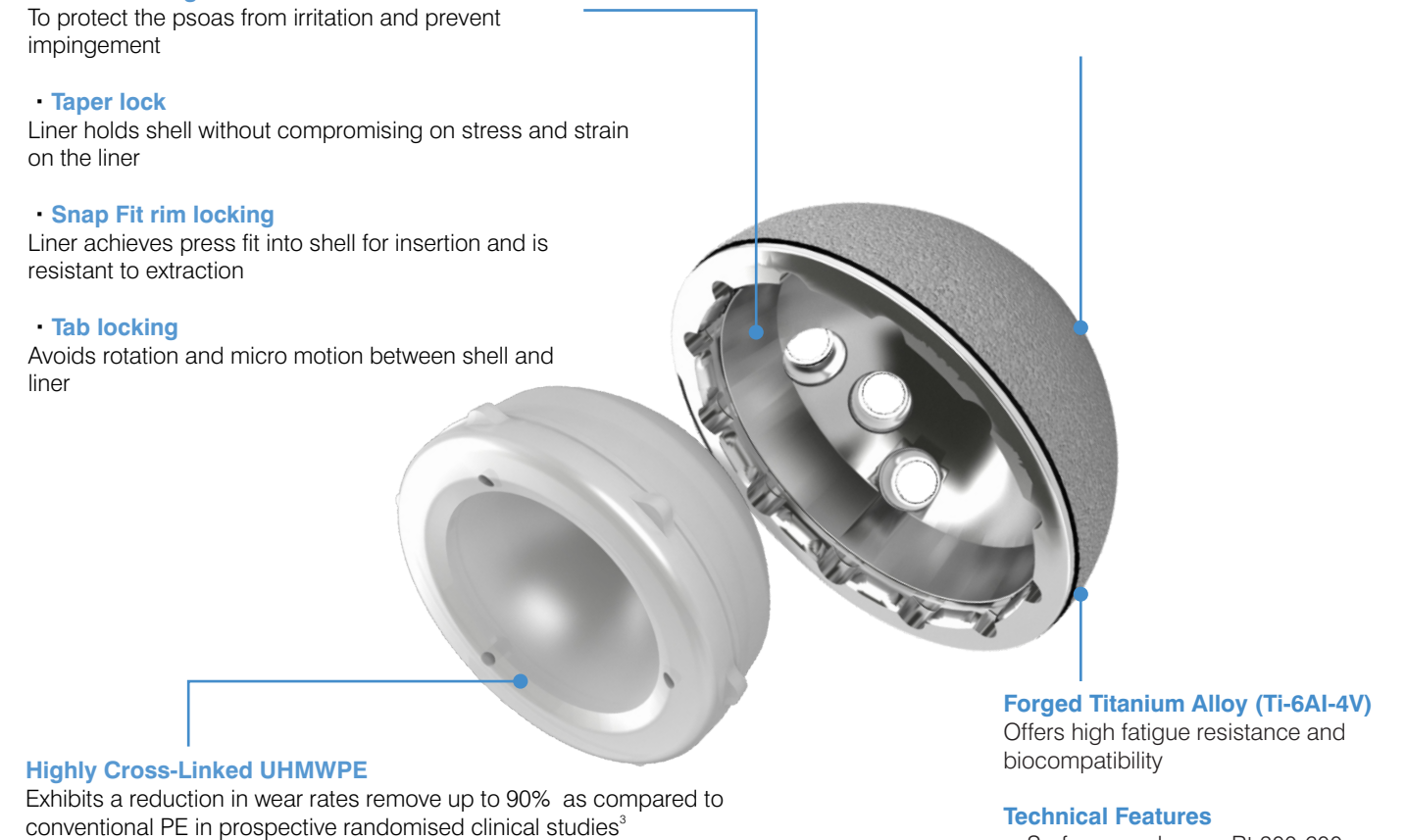
- Hallan G, Lie SA, Furnes O, Engesaeter LB, Vollset SE, Havelin L. Medium and long-term performance of 11 516 uncemented primary femoral stems from the Norwegian arthroplasty register. J. Bone Joint Surg. 2007;89-8:1574-1580.
  - Røkkum M, Brandt M, Bye K, Hetland KR, Waage S, Reigstad A. Polyethylene Wear, Osteolysis and Acetabular Loosening with an HA Coated Hip Prosthesis. J. Bone Joint Surg. 1999;81-B:582-589
  - Kurtz M. Validation of New High performance Alumina Matrix Composite for use in Total Joint replacement, Seminars in Arthroplasty, 2006;17:141-145
- + BioloX® is registered trademark of Ceramtec BV  
\* Osprovit® is registered trademark of LINCOTEK TRENTO S.p.A

Cementless Acetabular System

Patented Transference Taper Lock ETST Technology

- Polished edge of the Shell**  
To protect the psoas from irritation and prevent impingement
- Taper lock**  
Liner holds shell without compromising on stress and strain on the liner
- Snap Fit rim locking**  
Liner achieves press fit into shell for insertion and is resistant to extraction
- Tab locking**  
Avoids rotation and micro motion between shell and liner

**Hemispherical shape with porous Ti-Growth®**  
Advanced pure titanium coating technology with more than 20 years of clinical evidence<sup>1-2</sup>



References:

- Laurent M, Blanchard C, Yao JQ, et al. The wear of highly cross-linked UHMWPE in the presence of abrasive particles: Hip and knee simulator studies. In: Kurtz SM, Gsell R, Martell JM, editors. Cross-linked and Thermally Treated Ultra-High Molecular Weight Polyethylene for Joint Replacements. West Conshohocken, PA: ASTM International; 2003.
- Muratoglu O, Bragdon C, O'Connor D, et al. The comparison of the wear behaviour of four different types of cross-linked acetabular components. 46th Annual Meeting, Orthopaedic Research Society. 2000.
- Meril Latitud™ 180-ongoing, multi-centeric clinical study.

## Latitud™ Hip Replacement System Implant Details

### Uncemented Femoral Stems

Part Code No.	Product Description
STAC-35/00	Ti Alloy Cementless Stem 135° Standard Size 0
STBC-35/00	Ti Alloy Cementless Stem 135° Lateral Size 0
STAC-25/01	Ti Alloy Cementless Stem 125° Standard Size 1
STAC-35/01	Ti Alloy Cementless Stem 135° Standard Size 1
STBC-35/01	Ti Alloy Cementless Stem 135° Lateral Size 1
STAC-25/02	Ti Alloy Cementless Stem 125° Standard Size 2
STAC-35/02	Ti Alloy Cementless Stem 135° Standard Size 2
STBC-35/02	Ti Alloy Cementless Stem 135° Lateral Size 2
STAC-25/03	Ti Alloy Cementless Stem 125° Standard Size 3
STAC-35/03	Ti Alloy Cementless Stem 135° Standard Size 3
STBC-35/03	Ti Alloy Cementless Stem 135° Lateral Size 3
STAC-25/04	Ti Alloy Cementless Stem 125° Standard Size 4
STAC-35/04	Ti Alloy Cementless Stem 135° Standard Size 4
STBC-35/04	Ti Alloy Cementless Stem 135° Lateral Size 4
STAC-25/05	Ti Alloy Cementless Stem 125° Standard Size 5
STAC-35/05	Ti Alloy Cementless Stem 135° Standard Size 5
STBC-35/05	Ti Alloy Cementless Stem 135° Lateral Size 5
STAC-25/06	Ti Alloy Cementless Stem 125° Standard Size 6
STAC-35/06	Ti Alloy Cementless Stem 135° Standard Size 6
STBC-35/06	Ti Alloy Cementless Stem 135° Lateral Size 6
STAC-25/07	Ti Alloy Cementless Stem 125° Standard Size 7
STAC-35/07	Ti Alloy Cementless Stem 135° Standard Size 7
STBC-35/07	Ti Alloy Cementless Stem 135° Lateral Size 7



### Uncemented Femoral Stems

Part Code No.	Product Description
STAC-25/08	Ti Alloy Cementless Stem 125° Standard Size 8
STAC-35/08	Ti Alloy Cementless Stem 135° Standard Size 8
STBC-35/08	Ti Alloy Cementless Stem 135° Lateral Size 8
STAC-25/09	Ti Alloy Cementless Stem 125° Standard Size 9
STAC-35/09	Ti Alloy Cementless Stem 135° Standard Size 9
STBC-35/09	Ti Alloy Cementless Stem 135° Lateral Size 9
STAC-25/10	Ti Alloy Cementless Stem 125° Standard Size 10
STAC-35/10	Ti Alloy Cementless Stem 135° Standard Size 10
STBC-35/10	Ti Alloy Cementless Stem 135° Lateral Size 10



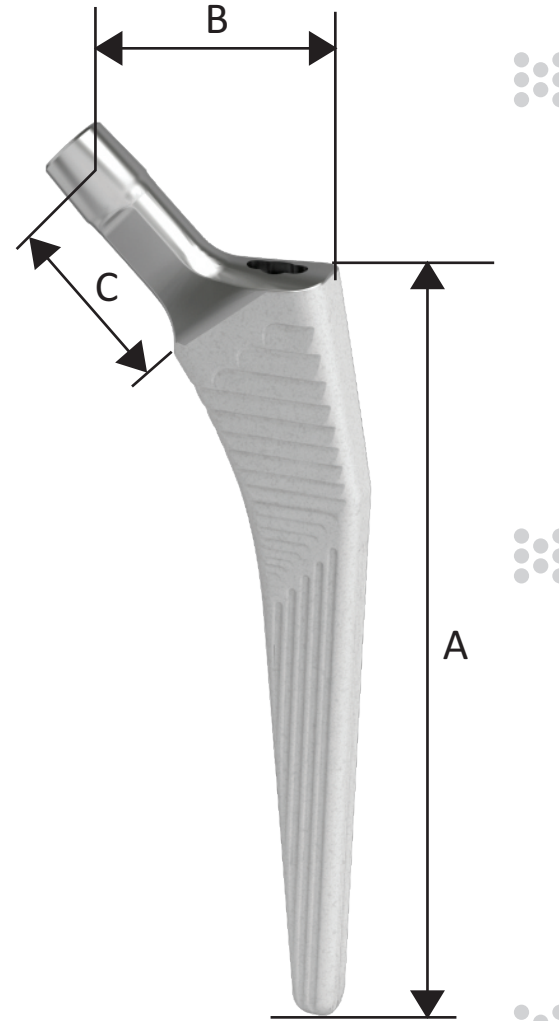
Note: Based upon laboratory testing, 125 standard (Coxa Vara) size 1 stem is not recommended for use with modular femoral head size above 32 mm, +7 mm head offset.

Uncemented Femoral Stem 125° Standard (125° Neck Angle)

Size	A	B						C					
	Stem Length (mm)	Horizontal Offset(mm)						Neck Length (mm)					
		-4.0	-3.5	STD	+3.5	+4.0	+7.0	-4.0	-3.5	STD	+3.5	+4.0	+7.0
00	115	41.7	42.2	45.0	47.9	48.3	50.8	34.8	35.3	38.8	42.3	42.8	45.8
01	130	42.2	42.7	45.5	48.4	48.8	51.3	34.8	35.3	38.8	42.3	42.8	45.8
02	140	43.2	43.7	46.5	49.4	49.8	52.3	34.8	35.3	38.8	42.3	42.8	45.8
03	145	43.7	44.2	47.0	49.9	50.3	52.8	34.8	35.3	38.8	42.3	42.8	45.8
04	150	44.7	45.2	48.0	50.9	51.3	53.8	34.8	35.3	38.8	42.3	42.8	45.8
05	154	45.2	45.7	48.5	51.4	51.8	54.3	34.8	35.3	38.8	42.3	42.8	45.8
06	160	45.7	46.2	49.0	51.9	52.3	54.8	34.8	35.3	38.8	42.3	42.8	45.8
07	165	46.7	47.2	50.0	52.9	53.3	55.8	34.8	35.3	38.8	42.3	42.8	45.8
08	170	47.2	47.7	50.5	53.4	53.8	56.3	34.8	35.3	38.8	42.3	42.8	45.8
09	180	48.2	48.7	51.5	54.4	54.8	57.3	34.8	35.3	38.8	42.3	42.8	45.8
10	189	49.2	49.7	52.5	55.4	55.8	58.3	34.8	35.3	38.8	42.3	42.8	45.8

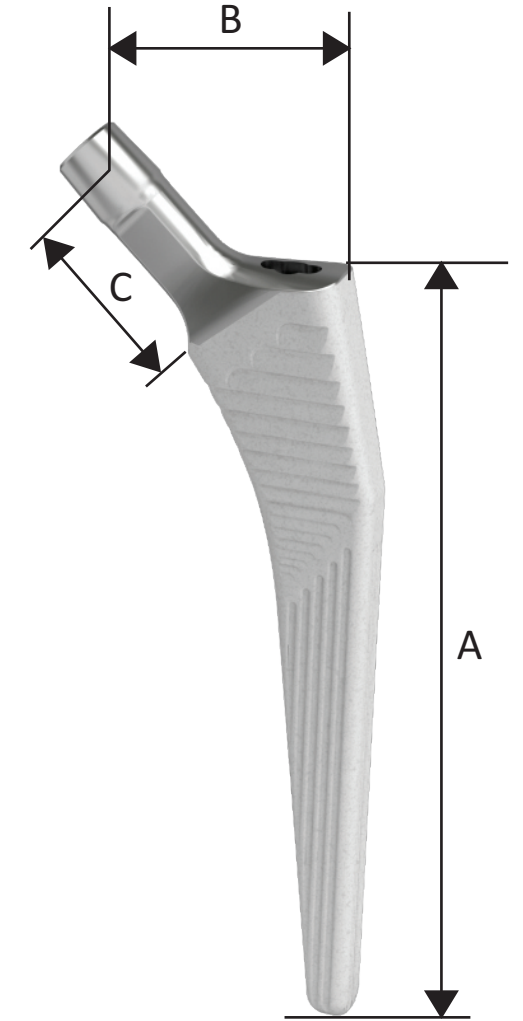
Uncemented Femoral Stem 135° Standard (135° Neck Angle)

Size	A	B						C					
	Stem Length (mm)	Horizontal Offset(mm)						Neck Length (mm)					
		-4.0	-3.5	STD	+3.5	+4.0	+7.0	-4.0	-3.5	STD	+3.5	+4.0	+7.0
00	115	35.2	35.5	38.0	40.5	40.8	43.0	34.8	35.3	38.8	42.3	42.8	45.8
01	130	35.7	36.0	38.5	41.0	41.3	43.5	34.8	35.3	38.8	42.3	42.8	45.8
02	140	36.7	37.0	39.5	42.0	42.3	44.5	34.8	35.3	38.8	42.3	42.8	45.8
03	145	37.2	37.5	40.0	42.5	42.8	45.0	34.8	35.3	38.8	42.3	42.8	45.8
04	150	38.2	38.5	41.0	43.5	43.8	46.0	34.8	35.3	38.8	42.3	42.8	45.8
05	154	38.7	39.0	41.5	44.0	44.3	46.5	34.8	35.3	38.8	42.3	42.8	45.8
06	160	39.2	39.5	42.0	44.5	44.8	47.0	34.8	35.3	38.8	42.3	42.8	45.8
07	165	40.2	40.5	43.0	45.5	45.8	48.0	34.8	35.3	38.8	42.3	42.8	45.8
08	170	40.7	41.0	43.5	46.0	46.3	48.5	34.8	35.3	38.8	42.3	42.8	45.8
09	180	41.7	42.0	44.5	47.0	47.3	49.5	34.8	35.3	38.8	42.3	42.8	45.8
10	189	42.7	43.0	45.5	48.0	48.3	50.5	34.8	35.3	38.8	42.3	42.8	45.8



Uncemented Femoral Stem 135° Lateral (135° Neck Angle)

Size	A	B						C					
	Stem Length (mm)	Horizontal Offset(mm)						Neck Length (mm)					
		-4.0	-3.5	STD	+3.5	+4.0	+7.0	-4.0	-3.5	STD	+3.5	+4.0	+7.0
00	115	42.2	42.5	45.0	47.5	47.8	50.0	39.0	39.5	43.0	46.5	47.0	50.0
01	130	42.7	43.0	45.5	48.0	48.3	50.5	39.0	39.5	43.0	46.5	47.0	50.0
02	140	43.7	44.0	46.5	49.0	49.3	51.5	39.0	39.5	43.0	46.5	47.0	50.0
03	145	44.2	44.5	47.0	49.5	49.8	52.0	39.0	39.5	43.0	46.5	47.0	50.0
04	150	45.2	45.5	48.0	50.5	50.8	53.0	39.0	39.5	43.0	46.5	47.0	50.0
05	154	45.7	46.0	48.5	51.0	51.3	53.5	39.0	39.5	43.0	46.5	47.0	50.0
06	160	46.2	46.5	49.0	51.5	51.8	54.0	39.0	39.5	43.0	46.5	47.0	50.0
07	165	47.2	47.5	50.0	52.5	52.8	55.0	39.0	39.5	43.0	46.5	47.0	50.0
08	170	47.7	48.0	50.5	53.0	53.3	55.5	39.0	39.5	43.0	46.5	47.0	50.0
09	180	48.7	49.0	51.5	54.0	54.3	56.5	39.0	39.5	43.0	46.5	47.0	50.0
10	189	49.7	50.0	52.5	55.0	55.3	57.5	39.0	39.5	43.0	46.5	47.0	50.0



## Liner Thickness Chart

Shell Size	Liner Size	Head Options									
		22		28		32		36		40	
OD (mm)	OD (mm)	Dome (mm)	45° (mm)	Dome (mm)	45° (mm)	Dome (mm)	45° (mm)	Dome (mm)	45° (mm)	Dome (mm)	45° (mm)
40	35	9.2	9.1	6.2	6.1						
42	37	10.1	9.9	7.1	6.9						
44											
46	40			8.6	7.9	6.6	5.9				
48											
50	44			9.9	9.6	7.9	7.6				
52											
54											
56	48			12.3	12	10.3	10	8.3	8	6.3	6
58											
60	52			12.5	11.9	10.5	9.9	8.5	7.9		
62											
64											
66											
68											
70											

## Latitud™ Hip Replacement System Implant Details

### Modular Shell

Part Code No	Product Description
MSAC-40/35	Forged Ti Alloy Modular Shell Size 40 mm, with 2 screw holes options
MSAC-42/37	Forged Ti Alloy Modular Shell Size 42 mm, with 2 screw holes options
MSAC-44/37	Forged Ti Alloy Modular Shell Size 44 mm, with 2 screw holes options
MSBC-46/40	Forged Ti Alloy Modular Shell Size 46 mm, with 3 screw holes options
MSBC-48/40	Forged Ti Alloy Modular Shell Size 48 mm, with 3 screw holes options
MSBC-50/44	Forged Ti Alloy Modular Shell Size 50 mm, with 3 screw holes options
MSBC-52/44	Forged Ti Alloy Modular Shell Size 52 mm, with 3 screw holes options
MSBC-54/44	Forged Ti Alloy Modular Shell Size 54 mm, with 3 screw holes options
MSBC-56/48	Forged Ti Alloy Modular Shell Size 56 mm, with 3 screw holes options
MSBC-58/48	Forged Ti Alloy Modular Shell Size 58 mm, with 3 screw holes options
MSBC-60/52	Forged Ti Alloy Modular Shell Size 60 mm, with 3 screw holes options
MSBC-62/52	Forged Ti Alloy Modular Shell Size 62 mm, with 3 screw holes options
MSBC-64/52	Forged Ti Alloy Modular Shell Size 64 mm, with 3 screw holes options
MSBC-66/52	Forged Ti Alloy Modular Shell Size 66 mm, with 3 screw holes options
MSBC-68/52	Forged Ti Alloy Modular Shell Size 68 mm, with 3 screw holes options
MSBC-70/52	Forged Ti Alloy Modular Shell Size 70 mm, with 3 screw holes options



## Modular Liner



Part Code No	Product Description
MLAD-35/22	Modular Liner Size 35/22
MLAD-35/28	Modular Liner Size 35/28
MLAD-37/22	Modular Liner Size 37/22
MLAD-37/28	Modular Liner Size 37/28
MLAD-40/28	Modular Liner Size 40/28
MLAD-40/32	Modular Liner Size 40/32
MLAD-44/28	Modular Liner Size 44/28
MLAD-44/32	Modular Liner Size 44/32
MLAD-44/36	Modular Liner Size 44/36
MLAD-48/28	Modular Liner Size 48/28
MLAD-48/32	Modular Liner Size 48/32
MLAD-48/36	Modular Liner Size 48/36
MLAD-48/40	Modular Liner Size 48/40
MLAD-52/32	Modular Liner Size 52/32
MLAD-52/36	Modular Liner Size 52/36
MLAD-52/40	Modular Liner Size 52/40

Part Code No	Product Description
MLCD-35/22	Liner 10° Oblique Size 35/22
MLCD-35/28	Liner 10° Oblique Size 35/28
MLCD-37/22	Liner 10° Oblique Size 37/22
MLCD-37/28	Liner 10° Oblique Size 37/28
MLCD-40/28	Liner 10° Oblique Size 40/28
MLCD-40/32	Liner 10° Oblique Size 40/32
MLCD-44/28	Liner 10° Oblique Size 44/28
MLCD-44/32	Liner 10° Oblique Size 44/32
MLCD-44/36	Liner 10° Oblique Size 44/36
MLCD-48/28	Liner 10° Oblique Size 48/28
MLCD-48/32	Liner 10° Oblique Size 48/32
MLCD-48/36	Liner 10° Oblique Size 48/36
MLCD-48/40	Liner 10° Oblique Size 48/40
MLCD-52/32	Liner 10° Oblique Size 52/32
MLCD-52/36	Liner 10° Oblique Size 52/36
MLCD-52/40	Liner 10° Oblique Size 52/40

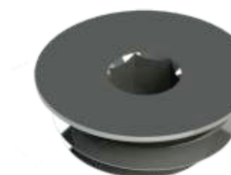
## Bone Screws

Part Code No	Product Description
SWAC-65/15	Ti Alloy, Self Tapping Bone Screw 6.5 x 15 mm
SWAC-65/20	Ti Alloy, Self Tapping Bone Screw 6.5 x 20 mm
SWAC-65/25	Ti Alloy, Self Tapping Bone Screw 6.5 x 25 mm
SWAC-65/30	Ti Alloy, Self Tapping Bone Screw 6.5 x 30 mm
SWAC-65/35	Ti Alloy, Self Tapping Bone Screw 6.5 x 35 mm
SWAC-65/40	Ti Alloy, Self Tapping Bone Screw 6.5 x 40 mm
SWAC-65/45	Ti Alloy, Self Tapping Bone Screw 6.5 x 45 mm
SWAC-65/50	Ti Alloy, Self Tapping Bone Screw 6.5 x 50 mm



## Modular Shell Apical Hole Cover

Part Code No	Product Description
AOAC-10/35	Ti Alloy M10 x 3.5 hex drive apical hole cover



## Cup Liner compatibility sizing chart

Modular Shell	Modular Liner	Modular Head			
		22	28	32	36
40	35	22	28		
42			28		
44	37	22	28		
46			28	32	
48	40				
50					
52	44		28	32	36
54					
56	48		28	32	36
58					
60					
62					
64	52				
66			32	36	40
68					
70					



Cemented Stem System

**12/14 Universal Taper**

Trunnion for connection with modular head

**Collarless Neck**

Allows intra-operative leg length adjustments

**Innovative, Hollow PMMA Centralizer**

Design allows stem to engage distally within the cement mantle thus transferring compressive load to the cement mantle

**Made up of High Nitrogen Stainless Steel Alloy**

**Easy to Use Effective Instrumentation**

Designed to enhance clinical outcome



**Highly-Polished Surface**

Designed to reduce friction

**Highly Polished Double Tapered Design**

Helps to create radial compressive loading

**Choice of Size Ranges & Offsets**

Comprehensive selection of sizes - provides 9 options (5 Standard and 4 Narrow sizes)

**Reduced Distal Profile**

Ease of insertion

"Cemented stems are the most commonly used femoral implant." : NJR-2015<sup>1</sup>

Latitud™ cemented stems are recommended to be used with Latitud HNSS Metal heads or Biolox®+ Delta Ceramic heads.

Latitud™ cemented stems double tapered design philosophy and highly polished surface allows it to micro-subside freely at the stem-cement interface and thus act as a self-locking taper, effectively and continually tightening step by step throughout the life of the hip.

**References:**

- 1. www.njrcentre.org.uk, 12th annual report 2015, National joint registry for England, Wales, Northern Ireland and the Isle of Man Surgical data to 31 December 2014, ISSN 2054-183X (Online).
- + Biolox® is registered trademark of Ceramtec BV

Cemented Femoral Stem

Latitud™ HIP Replacement System Implant Details

LATITUD™ Cemented Femoral Stem

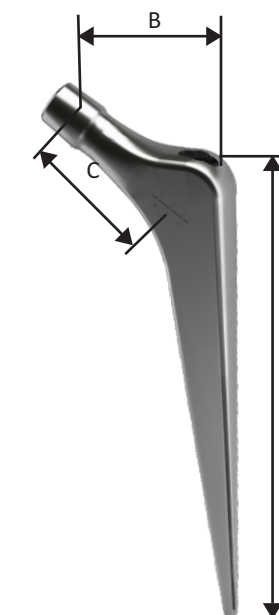
Part Code No.	Product Description
STCM-00/00	Cemented Stem Standard Size 00
STCM-00/01	Cemented Stem Standard Size 01
STCM-00/02	Cemented Stem Standard Size 02
STCM-00/03	Cemented Stem Standard Size 03
STCM-00/04	Cemented Stem Standard Size 04
STCM-00/05*	Cemented Stem Standard Size 05*
STDM-00/01	Cemented Stem Narrow Size 01
STDM-00/02	Cemented Stem Narrow Size 02
STDM-00/03	Cemented Stem Narrow Size 03
STDM-00/04	Cemented Stem Narrow Size 04
STDM-00/05*	Cemented Stem Narrow Size 05*
STDM-00/06*	Cemented Stem Narrow Size 06*



\*Available on special request.

**Cemented Femoral Stem Standard (125° Neck Angle)**

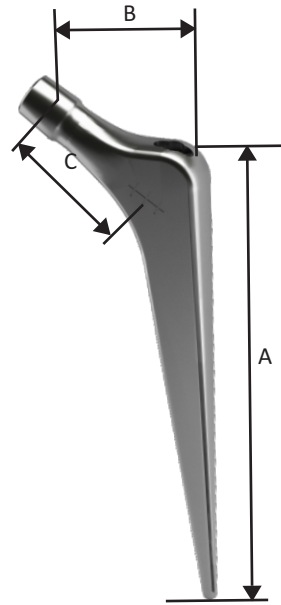
Size	A Stem Length (mm)	B Horizontal Offset (mm)				C Neck Length (mm)			
		-3.5	STD	+3.5	+7.0	-3.5	STD	+3.5	+7.0
		00	127	34.2	37.0	39.9	42.8	32.6	36.1
01	149	42.2	45.0	47.9	50.8	37.1	40.6	44.1	47.6
02	149	42.2	45.0	47.9	50.8	37.1	40.6	44.1	47.6
03	149	42.2	45.0	47.9	50.8	37.1	40.6	44.1	47.6
04	149	42.2	45.0	47.9	50.8	37.1	40.6	44.1	47.6





Bipolar Monoblock Shell

Cemented Femoral Stem Narrow (125° Neck Angle)									
Size	A	B				C			
	Stem Length (mm)	Horizontal Offset (mm)				Neck Length (mm)			
		-3.5	STD	+3.5	+7.0	-3.5	STD	+3.5	+7.0
01	149	35.2	38.0	40.9	43.8	34.7	38.2	41.7	45.2
02	149	35.2	38.0	40.9	43.8	35.1	38.6	42.1	45.6
03	149	35.2	38.0	40.9	43.8	35.1	38.6	42.1	45.6
04	149	35.2	38.0	40.9	43.8	35.1	38.6	42.1	45.6



Cement Restrictor

Part Code No.	Product Description
CRAG-20/15	UHMWPE Cement Restrictor Medium
CRBG-12/10	UHMWPE Cement Restrictor Small



Centralizer

Part Code No.	Product Description
SCBN-08/21	Centralizer Small (non-winged)
SCAG-20/24	Centralizer Universal (winged)
SCBG-08/21	UHMWPE Centralizer (non-winged & winged)
SCAG-20/24	UHMWPE Centralizer (non-winged & winged)



**Highly Polished SS Outer Shell**  
Designed to reduce friction

**UHMWPE Inner Liners**  
Helps to reduce wear

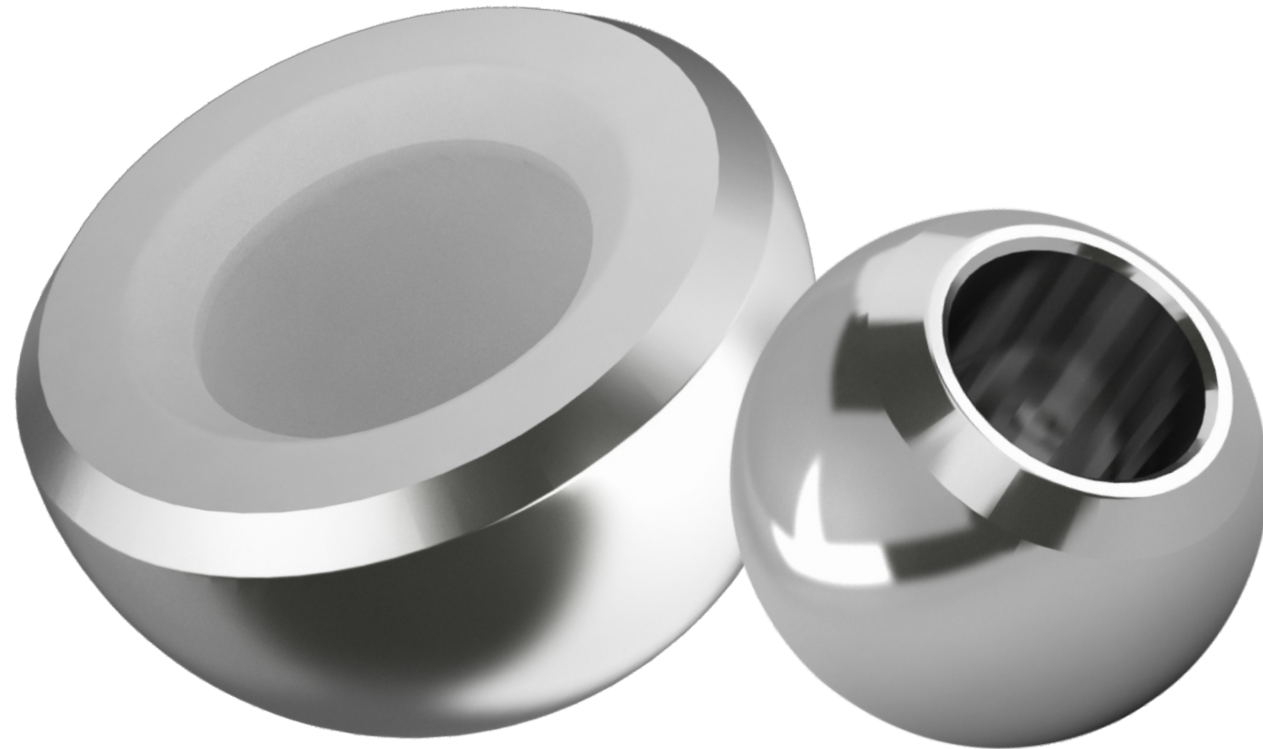
**Pre-assembled Mono Block Construct**  
Prevents micro-motion & allows intra-operative ease of use  
Locking Mechanism used for the Liner

**Robust Choice of Size Ranges**  
OD 37 to 51 mm in 1 mm increment  
OD 53 to 63 mm in 2 mm increment

**User friendly Instrumentation**  
Designed to enhance OR efficiency

**Multiple Neck Length Head Options**  
To optimally restore joint biomechanics intra-op

Partial THA or Hemi Hip Arthroplasty using bipolar system can be a reliable and effective treatment option for hip fractures and diseased femoral heads and/or necks. The Bipolar shell articulates against the host acetabular cartilage, preserving acetabular bone stock for future considerations.



**Stainless Steel Shell(SS-316L)**  
**Ultra High Molecular Weight Polyethylene (UHMWPE)**

Note: The Latitud™ Bipolar system has been designed to assemble with all femoral stems that utilize compatible 22 mm & 28 mm modular femoral heads.

Warning: The Bipolar Monoblock Shell component must not be undersized or oversized.

Failure to select the correct diameter component will increase the risk of premature failure.

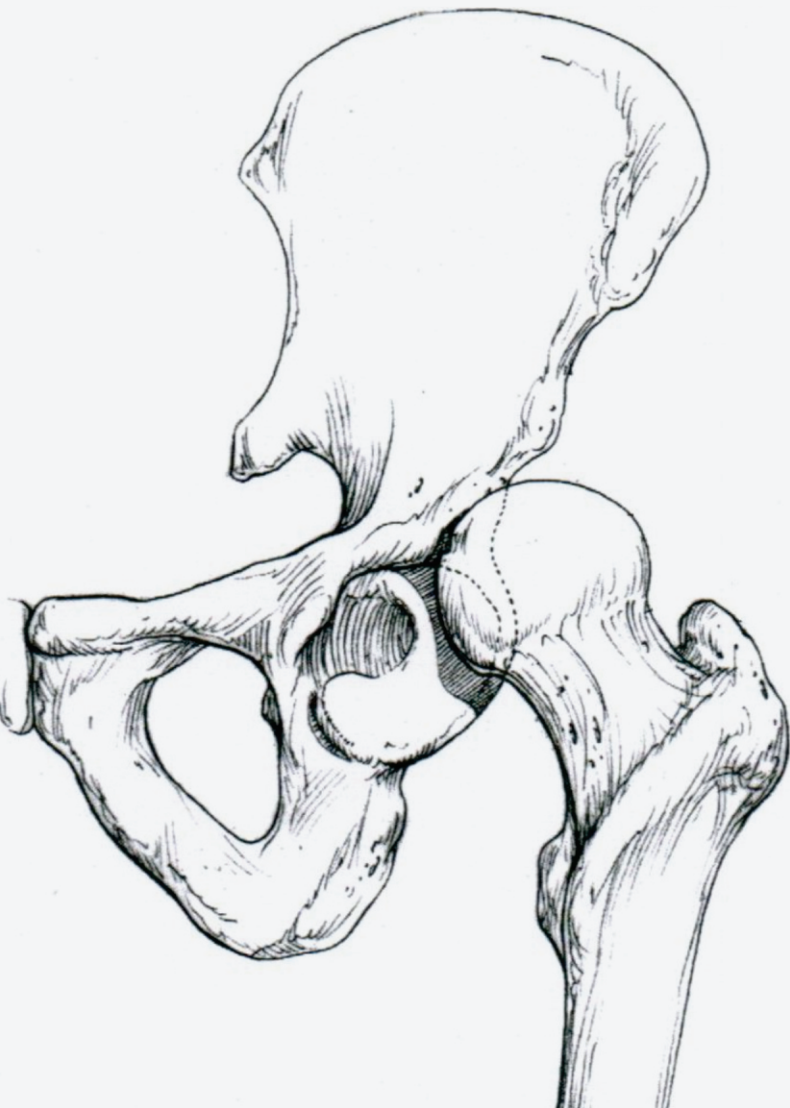
## LATITUD™ Hip Replacement System Implant Details

### LATITUD™ Bipolar Monoblock Shell

Part Code No.	Bipolar Monoblock Shell Size (mm)	Modular Femoral Head Size (mm)
BABL-37/22	37	22
BABL-38/22	38	22
BABL-39/22	39	22
BABL-40/22	40	22
BABL-41/22	41	22
BABL-42/22	42	22
BABL-43/22	43	22
BABL-42/28*	42	28
BABL-44/28	44	28
BABL-45/28	45	28
BABL-46/28	46	28
BABL-47/28	47	28
BABL-48/28	48	28
BABL-49/28	49	28
BABL-50/28	50	28
BABL-51/28	51	28
BABL-52/28	52	28
BABL-53/28	53	28
BABL-55/28	55	28
BABL-56/28*	56	28
BABL-57/28	57	28
BABL-59/28	59	28
BABL-60/28*	60	28
BABL-61/28	61	28
BABL-63/28	63	28

\*Available on special request.

The Latitud™ Cemented Acetabular Cup System enhances cemented socket longevity through advanced design features



- The design, incorporates integrated spacers that assist in achieving a uniform 2 mm cement mantle.
- The cup also features 10° inclined face for extended femoral head coverage.

The 10° inclined face option can be used to help prevent dislocation

Two holes in the cup face accommodate the cup positioner during insertion

Notched circumferential grooves facilitate cement interdigitation

An added flange to help pressurize cement

Stainless steel radiopaque wires on the pole and equator aid in assessing cup position

Four 2 mm integrated spacers, strategically positioned in load-bearing areas, centralize the cup and create a uniform cement mantle



## Cemented Acetabular Cup Design Rationale

### Material

- Ultra-high molecular weight polyethylene (UHMWPE) optimizes cup strength and performance.

### Optimal Sizing

- Available in 22, 28, 32, 36 or 40 mm inner diameters, with outer diameter sizes ranging from 38 to 60 mm to enhance patient fit and versatility.

### Anatomic Alignment

- 45° opening angle optimizes hip stability, while a 55° primary fixation groove angle provides greater cement encapsulation of the cup within substantive bony structures.

### Enhanced Cement Management

- Longitudinal cement channels designed to enhance cement anchorage into the primary fixation grooves.
- Polyethylene spacers designed to provide a uniform 2 millimeter cement mantle around the cup surface.
- Rim designed to encourage cement intrusion and interdigitation as the cup nears final seating.

Size (OD)	ID (mm)	Cement mantle	Nominal Liner Thickness (mm)
38	22	2	5.9
40	22	2	6.9
42	22	2	7.9
44	22	2	8.9
44	28	2	5.9
46	28	2	6.9
48	28	2	7.9
48	32	2	5.9
50	28	2	8.9
50	32	2	6.9
52	28	2	9.9

Size (OD)	ID (mm)	Cement mantle	Nominal Liner Thickness (mm)
52	32	2	7.9
52	36	2	5.9
56	28	2	11.9
56	32	2	9.9
56	36	2	7.9
56	40	2	5.9
60	28	2	13.9
60	32	2	11.9
60	36	2	9.9
60	40	2	7.9

LATITUD™ Cemented Acetabular Cup  
System Ordering Information

10° Cemented Cup

CING-38/22	Size 38/22	CING-52/32	Size 52/32
CING-40/22	Size 40/22	CING-52/36	Size 52/36
CING-42/22	Size 42/22	CING-56/28	Size 56/28
CING-44/22	Size 44/22	CING-56/32	Size 56/32
CING-44/28	Size 44/28	CING-56/36	Size 56/36
CING-46/28	Size 46/28	CING-56/40	Size 56/40
CING-48/28	Size 48/28	CING-60/28	Size 60/28
CING-48/32	Size 48/32	CING-60/32	Size 60/32
CING-50/28	Size 50/28	CING-60/36	Size 60/36
CING-50/32	Size 50/32	CING-60/40	Size 60/40
CING-52/28	Size 52/28		



The cemented cup does not lateralize the center of the natural acetabulum, an important design feature for reconstruction of hip geometry (Figure 1). Some competitive designs can lateralize the natural center of the joint (see Figure 2). When the center of hip rotation is lateralized, the body weight moment arm is increased and the abductor moment arm is relatively decreased. Thus, joint force is increased and the resultant joint force direction is lateralized. This acts on the overhang portion of the cup which will tend to rock the implant and cause plastic deformation and may lead to eventual early loosening of the implant (Figure 2). In addition, the laterally protruded large overhang that other systems employ makes reduction of the femoral head extremely difficult during the reduction maneuver. The Latitud Cemented Cup design minimizes these problems.

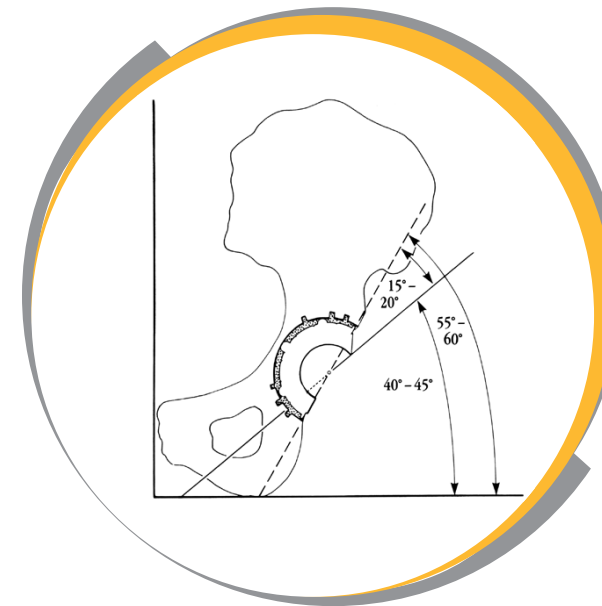


Figure-1

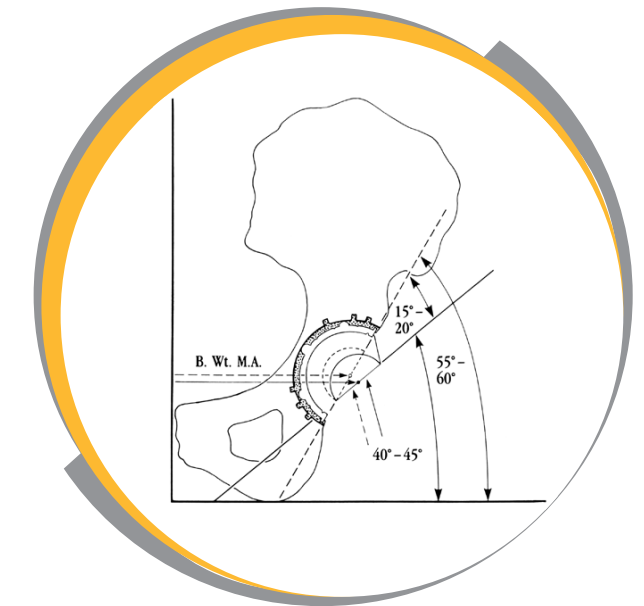


Figure-2

Latitud™ Hip Replacement System Implant Details

BioloX Delta Ceramic Femoral Head

Latitud™ Femoral Heads available with variable offsets and diameters

BioloX Delta Ceramic Femoral Head



Extremely hard, very high fracture resistant and wear resistant composite ceramic material based on Aluminium and Zirconium oxide, chemically stable & biologically inert with diamond-like hardness of the material.

Latitud Modular CoCr Femoral Head



Modular femoral heads are manufactured from Cobalt-Chromium alloy (Co-Cr) conforming to ASTM F1537-11, Cobalt-Chromium-Molybdenum alloy (Co-Cr-Mo) – ISO 5832-12. Co-Cr alloys have high specific strength and are hard, tough, corrosion resistant, biocompatible materials.

Latitud Modular HNSS Femoral Head



Modular femoral heads are manufactured from High Nitrogen Stainless Steel as per ISO -5832 - 9 to mate with 12/14 taper of femoral stems.

Part Code No	Product Description
HDAI-28/00	BioloX Delta Ceramic Femoral Head 28 mm +0 M, 12/14 Taper
HDAI-28/35-	BioloX Delta Ceramic Femoral Head 28 mm -3.5S, 12/14 Taper
HDAI-28/35+	BioloX Delta Ceramic Femoral Head 28 mm +3.5L, 12/14 Taper
HDAI-32/00	BioloX Delta Ceramic Femoral Head 32 mm +0 M, 12/14 Taper
HDAI-32/40-	BioloX Delta Ceramic Femoral Head 32 mm -4 S, 12/14 Taper
HDAI-32/40+	BioloX Delta Ceramic Femoral Head 32 mm +4 L, 12/14 Taper
HDAI-32/70+	BioloX Delta Ceramic Femoral Head 32 mm +7XL, 12/14 Taper
HDAI-36/00	BioloX Delta Ceramic Femoral Head 36 mm +0 M, 12/14 Taper
HDAI-36/40-	BioloX Delta Ceramic Femoral Head 36 mm -4 S, 12/14 Taper
HDAI-36/40+	BioloX Delta Ceramic Femoral Head 36 mm +4 L, 12/14 Taper
HDAI-36/80+	BioloX Delta Ceramic Femoral Head 36 mm +8 XL, 12/14 Taper
HDAI-40/00	BioloX Delta Ceramic Femoral Head 40 mm +0 M, 12/14 Taper
HDAI-40/40-	BioloX Delta Ceramic Femoral Head 40 mm -4 S, 12/14 Taper
HDAI-40/40+	BioloX Delta Ceramic Femoral Head 40 mm +4 L, 12/14 Taper
HDAI-40/80+	BioloX Delta Ceramic Femoral Head 40 mm +8 XL, 12/14 Taper



## CoCr Modular Femoral Head

Part Code No.	Product Description
HDAA-22/00	CoCr Modular Femoral Head 22 mm, +0, 12/14 Taper
HDAA-22/35+	CoCr Modular Femoral Head 22 mm +3.5, 12/14 Taper
HDAA-28/35-	CoCr Modular Femoral Head 28 mm -3.5, 12/14 Taper
HDAA-28/00	CoCr Modular Femoral Head 28 mm +0, 12/14 Taper
HDAA-28/35+	CoCr Modular Femoral Head 28 mm +3.5, 12/14 Taper
HDAA-28/70+	CoCr Modular Femoral Head 28 mm +7, 12/14 Taper
HDAA-32/40-	CoCr Modular Femoral Head 32 mm -4, 12/14 Taper
HDAA-32/00	CoCr Modular Femoral Head 32 mm +0, 12/14 Taper
HDAA-32/40+	CoCr Modular Femoral Head 32 mm +4, 12/14 Taper
HDAA-32/70+	CoCr Modular Femoral Head 32 mm +7, 12/14 Taper
HDAA-36/40-	CoCr Modular Femoral Head 36 mm -4, 12/14 Taper
HDAA-36/00	CoCr Modular Femoral Head 36 mm +0, 12/14 Taper
HDAA-36/40+	CoCr Modular Femoral Head 36 mm +4, 12/14 Taper
HDAA-36/70+	CoCr Modular Femoral Head 36 mm +7, 12/14 Taper
HDAA-40/40-	CoCr Modular Femoral Head 40 mm -4, 12/14 Taper
HDAA-40/00	CoCr Modular Femoral Head 40 mm +0, 12/14 Taper
HDAA-40/40+	CoCr Modular Femoral Head 40 mm +4, 12/14 Taper
HDAA-40/70+	CoCr Modular Femoral Head 40 mm +7, 12/14 Taper



## HNSS Modular Femoral Head

Part Code No.	Product Description
HDAM-22/00	HNSS Modular Femoral Head 22+0
HDAM-22/35+	HNSS Modular Femoral Head 22+3.5
HDAM-28/00	HNSS Modular Femoral Head 28+0
HDAM-28/35+	HNSS Modular Femoral Head 28+3.5
HDAM-28/70+	HNSS Modular Femoral Head 28+7
HDAM-28/35-	HNSS Modular Femoral Head 28-3.5
HDAM-32/00	HNSS Modular Femoral Head 32+0
HDAM-32/40+	HNSS Modular Femoral Head 32+4
HDAM-32/70+	HNSS Modular Femoral Head 32+7
HDAM-32/40-	HNSS Modular Femoral Head 32-4
HDAM-36/00	HNSS Modular Femoral Head 36+0
HDAM-36/40+	HNSS Modular Femoral Head 36+4
HDAM-36/70+	HNSS Modular Femoral Head 36+7
HDAM-36/40-	HNSS Modular Femoral Head 36-4
HDAM-40/00	HNSS Modular Femoral Head 40+0
HDAM-40/40+	HNSS Modular Femoral Head 40+4
HDAM-40/70+	HNSS Modular Femoral Head 40+7
HDAM-40/40-	HNSS Modular Femoral Head 40-4

