LATITUD™ | HIP SYSTEM
Freedom of Choice

Meril
Orthopedics

VERSATILE & FLEXIBLE TECHNOLOGY

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 and endo-surgery.

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.

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Meril orthopedics, a venture of Meril in association with Maxx Ortho Inc (www.maxxmed.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 40 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 new Latitud™ - Hip Replacement System consist of both cementless and cemented femoral components along with cementless 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.

Meril Park

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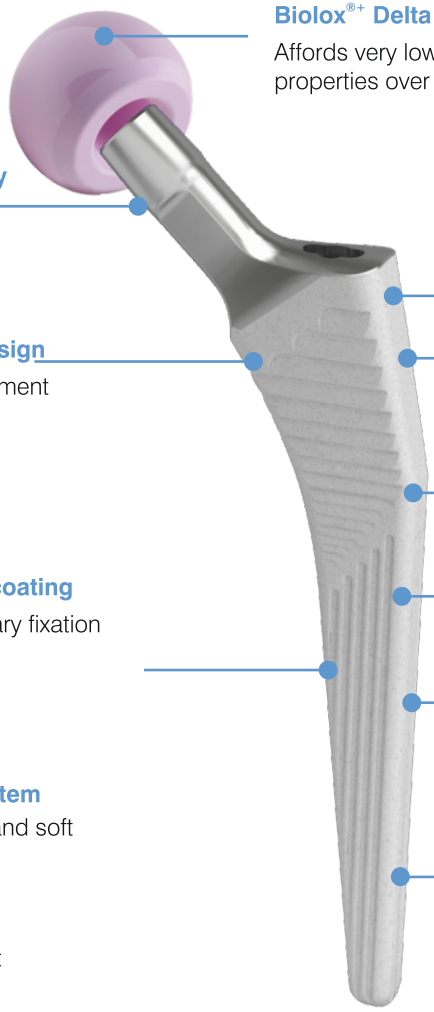
Cementless Stem System



Biolox®+ Delta Ceramic Head

Affords very low wear rate with enhanced mechanical properties over traditional ceramics or metal3

Circulo-trapezoid neck geometry

Offers reduced impingement in extreme range of motion

Low profile lateral shouder design

Suits bone conserving MIS Surgical technique

The double taper trapezoidal design

Resists axial and torsional displacement providing excellent Stability

Metaphseal flare

Ensures maximum fixation and load transfer into the proximal femur

Osprovit®* hydroxyapatite (HA) coating

Promoting rapid biological secondary fixation by bone growth

Horizontal and vertical grooves

Design ensures rotational stability of the stem

Forged titanium alloy (Ti-6Al-4V)

Offers high fatigue resistance and biocompatibility

Standard & high offset stem system

Enables femoral offset restoration and soft tissue balancing

Reduced distal profile

Ease of insertion

Sizing Options

135° standard and lateralised offset
125° Coxa Vara Options

"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."[1,2]

LATITUD™ cementless stems are recommended to be used with Latitud CoCr Metal Heads or Biolox®+ Delta Ceramic Heads.

References:

1. 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.
2. Røkkum M, Brandt M, Bye K, Hetland KR, Waage 5, Reigstad A. Polyethylene Wear, Osteolysis and Acetabular Loosening with an HA Coated Hip Prosthesis. J. Bone Joint Surg, 1999,81-B:582-589
3. 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

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Cementless Acetabular System

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Patented Transference Taper Lock ETST Technology

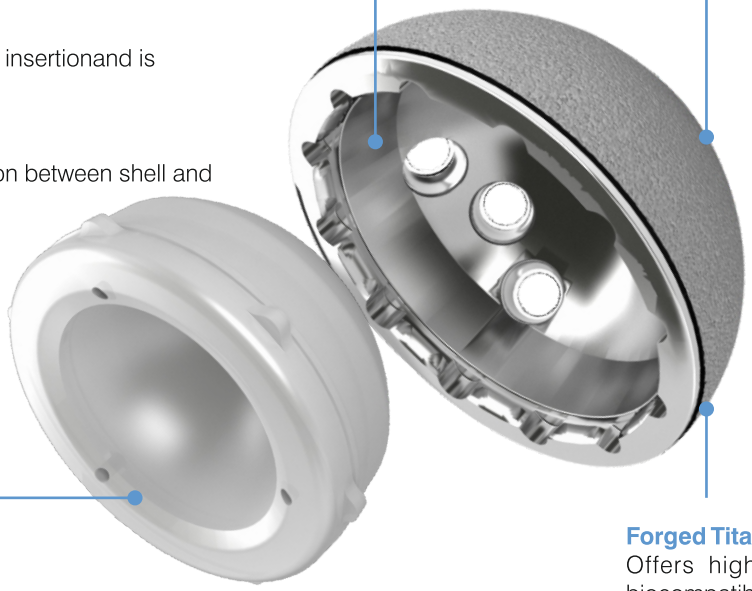
- **Polished Edge of the Shell**
To protect the psoas from irritation and prevent impingement

- **Taper Lock**
Liner holds shell without compromising onstress and strain in liner

- **Snap Fit Rim Locking**
Liner achieves press fit into shell for insertionand is resistant to extraction

- **Tab Locking**
Avoids anti-rotation and micro motion between shell and liner

Hemispherical Shape with Porous Ti Growth©
Advance pure titanium coating technology with more than 20 years of clinical evidence[1-2]



Highly Cross-Linked UHMWPE
Exhibits a reduction in wear rates of up to 90% compared to conventional PE in prospective, randomised clinical studies[3]

Optimum Surgical Selection
Acetabular components are available from size 40-70 with 2mm increments for optimal patients fit

Forged Titanium Alloy (Ti-6Al-4V)
Offers high fatigue resistance and biocompatibility

Technical Features
- Surface roughness: Rt 300 - 600 µm
- Coating thickness: 500 ± 100 µm
- Coating adhesion strength: ≥ 35 Mpa
- Porosity: 30 - 70%

References:

1. 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.
2. 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.
3. Meril Latitud™ 180-ongoing, multi-centeric clinical study.

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Uncemented Femoral Stem

Latitud™ Hip Replacement System Implant Details

Uncemented Femoral Stems

Part Code No.	Product Description
STAC-25/01	Ti Alloy Cementless Stem 125° Standard Size 1
STAC-25/02	Ti Alloy Cementless Stem 125° Standard Size 2
STAC-25/03	Ti Alloy Cementless Stem 125° Standard Size 3
STAC-25/04	Ti Alloy Cementless Stem 125° Standard Size 4
STAC-25/05	Ti Alloy Cementless Stem 125° Standard Size 5
STAC-25/06	Ti Alloy Cementless Stem 125° Standard Size 6
STAC-25/07	Ti Alloy Cementless Stem 125° Standard Size 7
STAC-25/08	Ti Alloy Cementless Stem 125° Standard Size 8
STAC-25/09	Ti Alloy Cementless Stem 125° Standard Size 9
STAC-25/10	Ti Alloy Cementless Stem 125° Standard Size 10
STAC-35/00	Ti Alloy Cementless Stem 135° Standard Size 0
STAC-35/01	Ti Alloy Cementless Stem 135° Standard Size 1
STAC-35/02	Ti Alloy Cementless Stem 135° Standard Size 2
STAC-35/03	Ti Alloy Cementless Stem 135° Standard Size 3
STAC-35/04	Ti Alloy Cementless Stem 135° Standard Size 4
STAC-35/05	Ti Alloy Cementless Stem 135° Standard Size 5
STAC-35/06	Ti Alloy Cementless Stem 135° Standard Size 6
STAC-35/07	Ti Alloy Cementless Stem 135° Standard Size 7
STAC-35/08	Ti Alloy Cementless Stem 135° Standard Size 8
STAC-35/09	Ti Alloy Cementless Stem 135° Standard Size 9
STAC-35/10	Ti Alloy Cementless Stem 135° Standard Size 10

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

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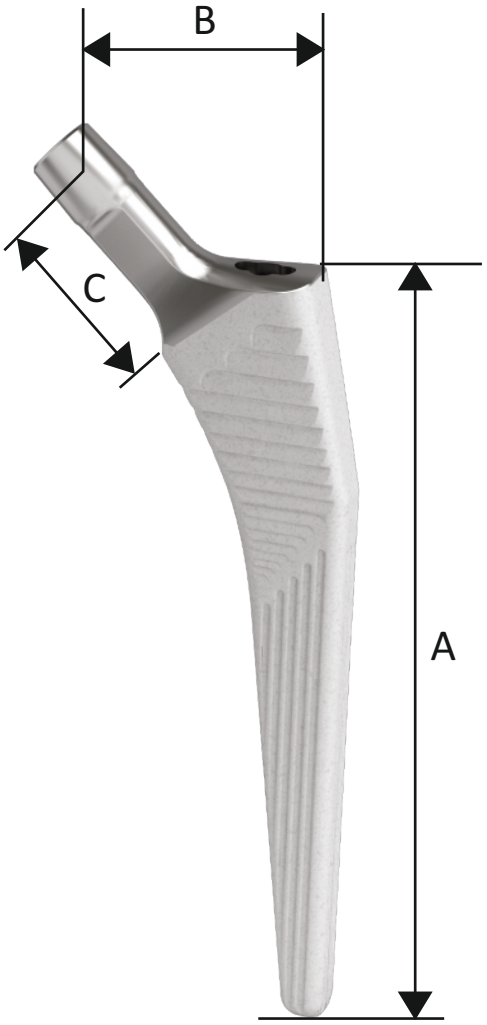
Uncemented Femoral Stem 125° Standard (125° Neck Angle)													
Size	A	B						C					
	Stem Length (mm)	Horizontal Offset (mm)						Neck Length (mm)					
		-4.0	-3.5	STD	+3.5	+4.0	+7.0	-4.0	-3.5	STD	+3.5	+4.0	+7.0
00	115	41.7	42.2	45.0	47.9	48.3	50.8	34.8	35.3	38.8	42.3	42.8	45.8
01	130	42.2	42.7	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



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Acetabular Cup System

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	5.9	5.6		
52											
54											
56	48			123	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											

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Latitud™ Hip Replacement System Implant Details

Modular Shell

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

LATITUD™ | HIP REPLACEMENT SYSTEM
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Acetabular Cup System

Modular Liner

Part Code No.	Product Description
MLAD-35/22	Modular Liner Size 35/22
MLAD-35/28	Modular Liner Size35/28
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

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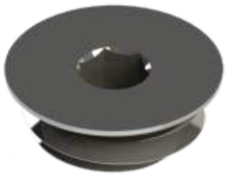
Bone Screws

Part Code No.	Product Description
SWAC-65/15	Ti Alloy, Self Taping Bone Screw ø6.5X15 mm
SWAC-65/20	Ti Alloy, Self Taping Bone Screw ø6.5X20 mm
SWAC-65/25	Ti Alloy, Self Taping Bone Screw ø6.5X25 mm
SWAC-65/30	Ti Alloy, Self Taping Bone Screw ø6.5X30 mm
SWAC-65/35	Ti Alloy, Self Taping Bone Screw ø6.5X35 mm
SWAC-65/40	Ti Alloy, Self Taping Bone Screw ø6.5X40 mm
SWAC-65/45	Ti Alloy, Self Taping Bone Screw ø6.5X45 mm
SWAC-65/50	Ti Alloy, Self Taping Bone Screw ø6.5X50 mm

Modular Stell Apical Hole Cove

Part Code No.	Product Description
AOAC-10/35	Ti Alloy M10X3.5 hex drive apical hole cover



Cup Liner compatibility sizing chart

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

LATITUD™ | HIP REPLACEMENT SYSTEM
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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

Designed to allow stem to engage distally within the cement mantle, subjecting the cement to compressive loading and reducing end bearing of the stem directly on to the cement

Easy to Use Effective Instrumentation

Designed to enhances clinical outcome

Highly-Polished Surface

Designed to reduce friction

Design Highly Polished Double Tapered

Helps to create radial compressive loading

Reduced Choice of Size Ranges & Offsets

Comprehensive selection of sizes - provides 9 options

Reduced Distal Profile

Ease of insertion

"Cemented stems are the most commonly used type femoral implant." : NJR-2015[1]

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 free micro-subside 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

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Bipolar Monoblock Shell

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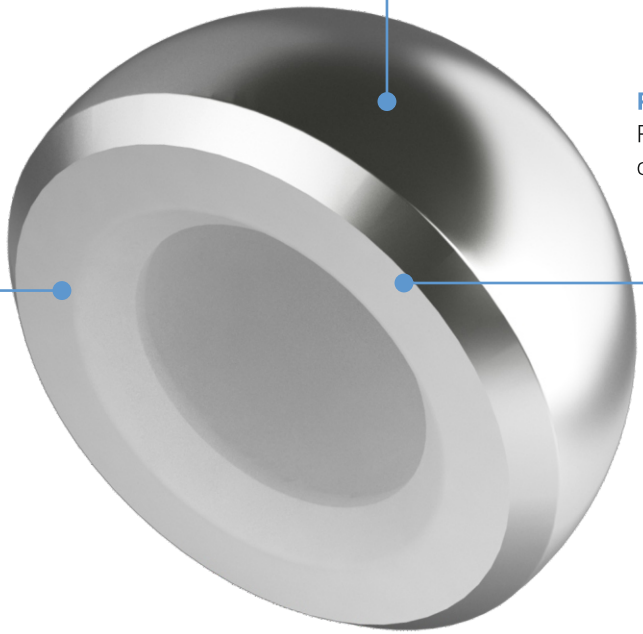
Highly Polished SS Outer Shell
Designed to reduce friction

UHMWPE Inner Liners
Helps to reduce wear



Pre-assembled Mono Block Construct
Prevents micro-motion & allows intra-operative ease of use

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

Easy to Use Effective Instrumentation
Designed to enhances 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 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.

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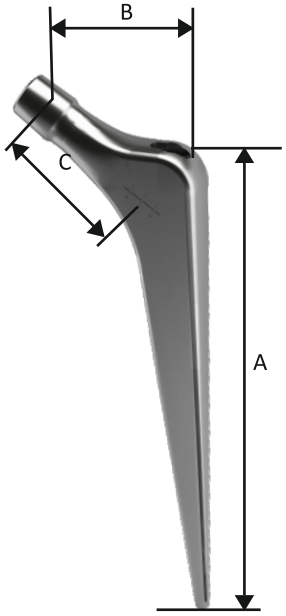
Cemented Femoral Stem

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
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



Cemented Femoral Stem Standard (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
00	127	34.2	37.0	39.9	42.8	32.6	36.1	39.6	43.1
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

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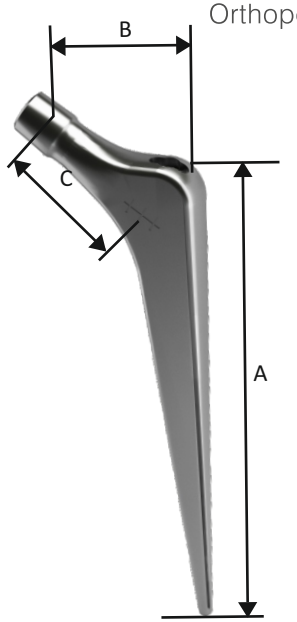
Cemented Femoral Stem Narrow (125° Neck Angle)

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

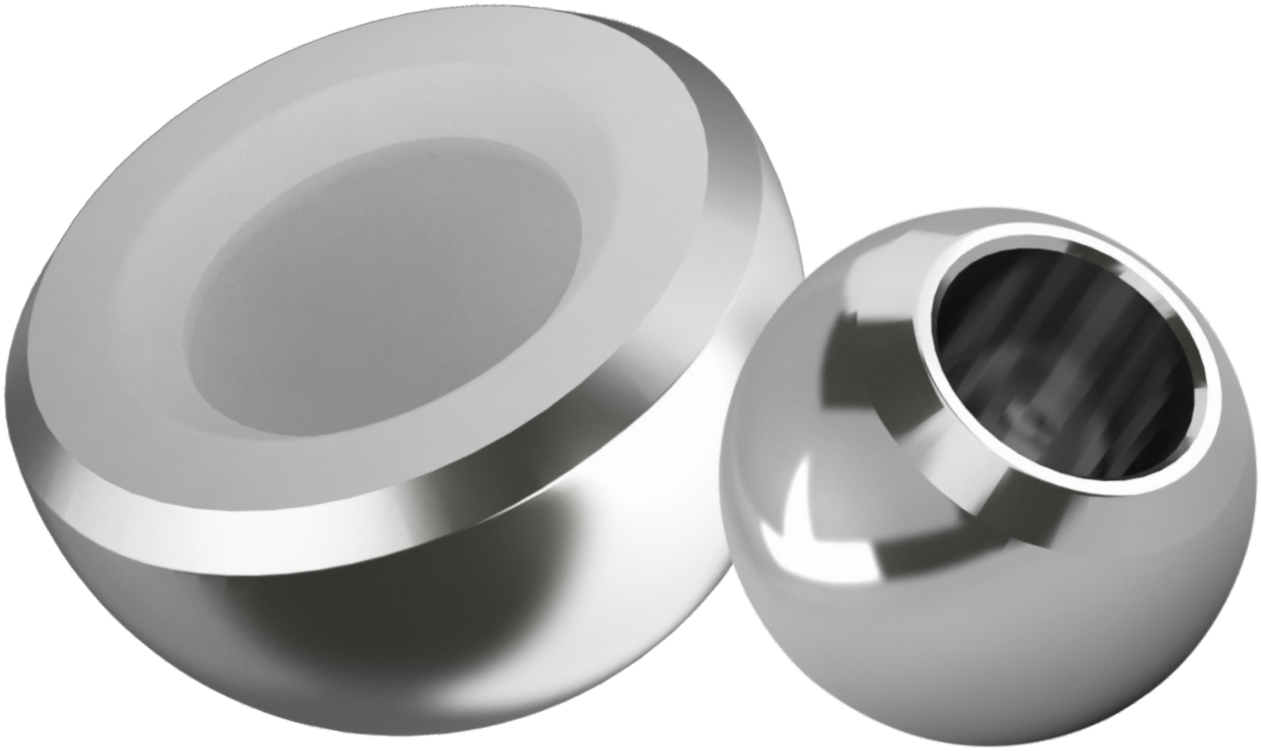
Part Code No.	Product Description
CRAG-20/15	Cement Restrictor Medium
CRBG-12/10	Cement Restrictor Small

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

LATITUD™ | HIP REPLACEMENT SYSTEM
Freedom of Choice

Bipolar Monoblock Shell



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 22mm & 28mm 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.

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Latitud™ Hip Replacement System Implant Details

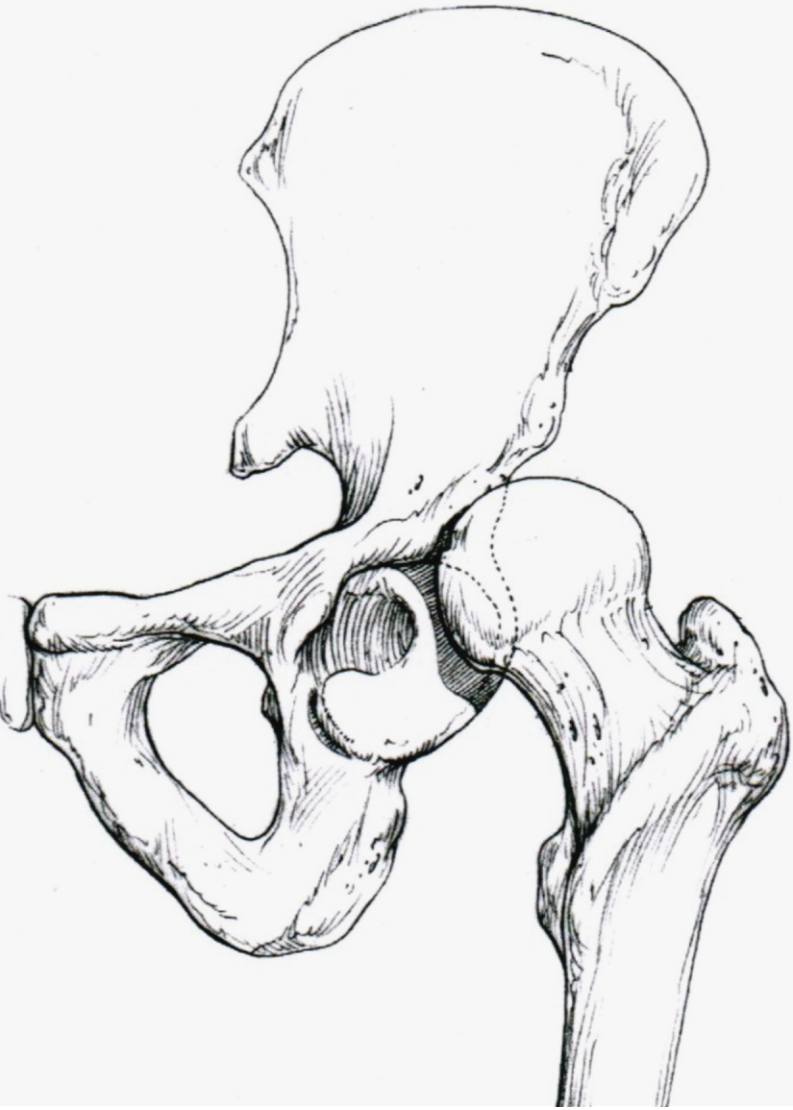
Latitud™ Bipolar Monoblock Shell

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-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-57/28	57	28
BABL-59/28	59	28
BABL-61/28	61	28
BABL-63/28	63	28

LATITUD™ | HIP REPLACEMENT SYSTEM
Freedom of Choice

Cemented Acetabular Cup

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



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

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

An added flange to help pressurize cement

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

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

Notched circumferential grooves facilitate cement interdigitation

Four 2mm integrated spacers, strategically positioned in loadbearing areas, help centralize the cup and create a uniform cement mantle

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Cemented Cup Design Rationale

Material

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

Optimal Sizing

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

Anatomic Alignment

❖A 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 improve cement flow into the primary fixation grooves.
❖Polyethylene spacers designed to provide a uniform two millimeter cement mantle around the cup surface.
❖Rim designed to encourage cement intrusion and interdigitation as the cup nears final seating.

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Size (OD)	ID (mm)	Cement mantle	Nominal Poly 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 Poly 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

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Cemented Cup Design Rationale

LATITUD™ Acetabular Cemented 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.

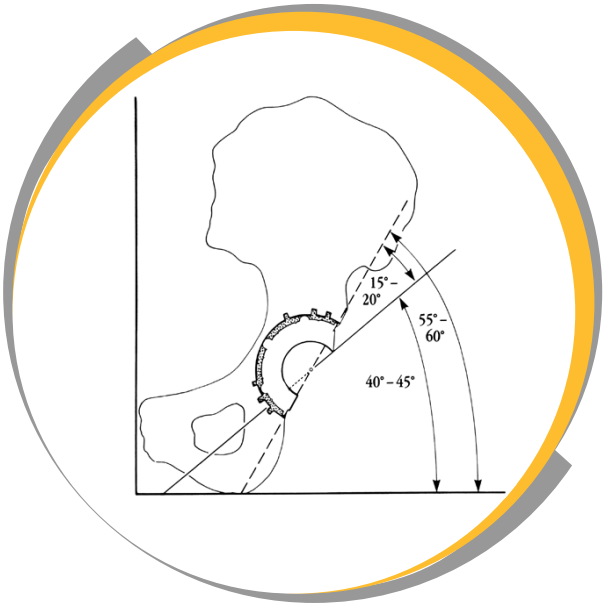

Figure-1

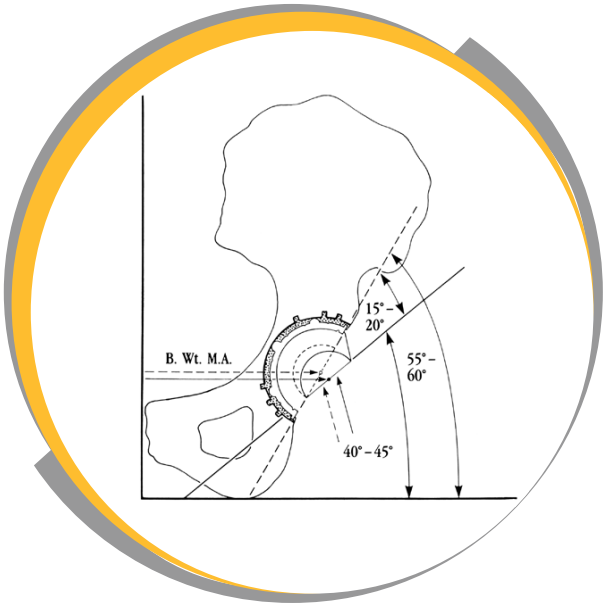

Figure-2

LATITUD™ | HIP SYSTEM
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Femoral Heads

Latitud™ Hip Replacement System Implant Details

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.

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Biolox Delta Ceramic Femoral Head

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

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Femoral Heads

CoCr Modular Femoral Head

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

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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

Notes:

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Notes:

Meril's Global Presence

Meril Tibbi Cihazlar
İmalat ve Ticaret A.Ş.
İçerenköy Mah. Çetinkaya Sok.
Prestij Plaza No:28, Kat:4 Ataşehir,
34752 İstanbul / Turkey
T : +90 216 641 44 24
F : +90 216 641 44 25

Meril Medical LLC
Nauchnyi Proezd 19,
Moscow , Russia – 117 246.
Office - +7 495 772 7643

Meril UK Subsidiary
Crowe UK LLP, St. Brides
House, 10 Salisbury Square,
London EC4Y 8EH, UK

Meril GmbH
Bornheimer Strasse 135-137,
D-53119 Bonn.
Germany.
T : +49 228 7100 4000
F : +49 228 7100 4001

Meril, inc.
2436 Emrick Boulevard,
Bethlehem, PA - 18020
T : (610)500-2080
F : (610)317-1672

Meril South America
Doc Med LTDA Al. dos Tupiniquins,
1079 - Cep: 04077-003 - Moema.
Sao Paulo. Brazil.
T : +55 11 3624 5935
F : +55 11 3624 5936

EU Representative
Obelis S.A.Bd, General Wahis 53,
1030, Brussels, Belgium.
T : +32 2 732 5954
F : +32 2 732 6003
E : mail@obelis.net

Meril SA Pty Ltd
102, 104, S101 and S102, Boulevard
West Office Park, 142 Western
Service Road, Erf 813
Woodmead Extension 17 Sandton,
Johannesburg – 2191 South Africa
T : +27 11 465-2049
F : +27 86 471 7941

Meril Health Care Pvt. Ltd
H1-H3, Meril Park,
Survey Number 135/2/B & 174/2
Muktanand Marg,
Chala, Vapi 396 191,
Gujarat, India.
T : +91 260 3052 100
E : askinfo@merillife.com

Meril China Co. Ltd
2301b,23f, Lixin Plaza,
no 90, South Hubin Road,
Xiamen, China.
T : 0086-592-5368505
F : 0086-592-5368519

Meril Bangladesh Pvt. Ltd
Union Heights-01,
55-2, Bir Uttam Qazi
Nuruzzaman Sarak,
West Panthapath,
Dhaka-1205, Bangladesh
T : 88 02 9122714/24

Meril Australia Pty. Ltd
Level 14, 60 Martin Place
Sydney NSW 2000, Australia Pty. Ltd.
T : +61 28248 5800
F : +61 28248 5899

Meril Life Sciences Pvt. Ltd
301, A - Wing, Business Square,
Chakala, Andheri Kurla Road,
Andheri East, Mumbai 400 093
T : +91 22 39350700
F : +91 22 39350777

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

Please see the package insert for compete 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

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