

LATITUD™ | HIP SYSTEM
Freedom of Choice

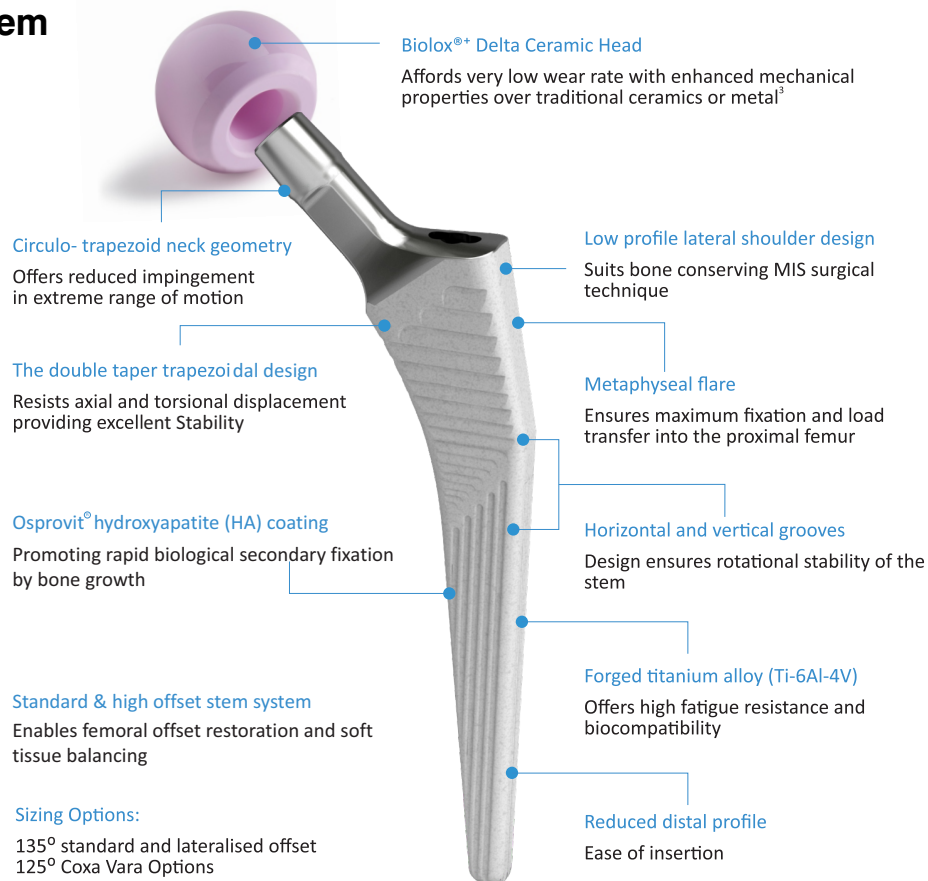


Meril
Healthcare

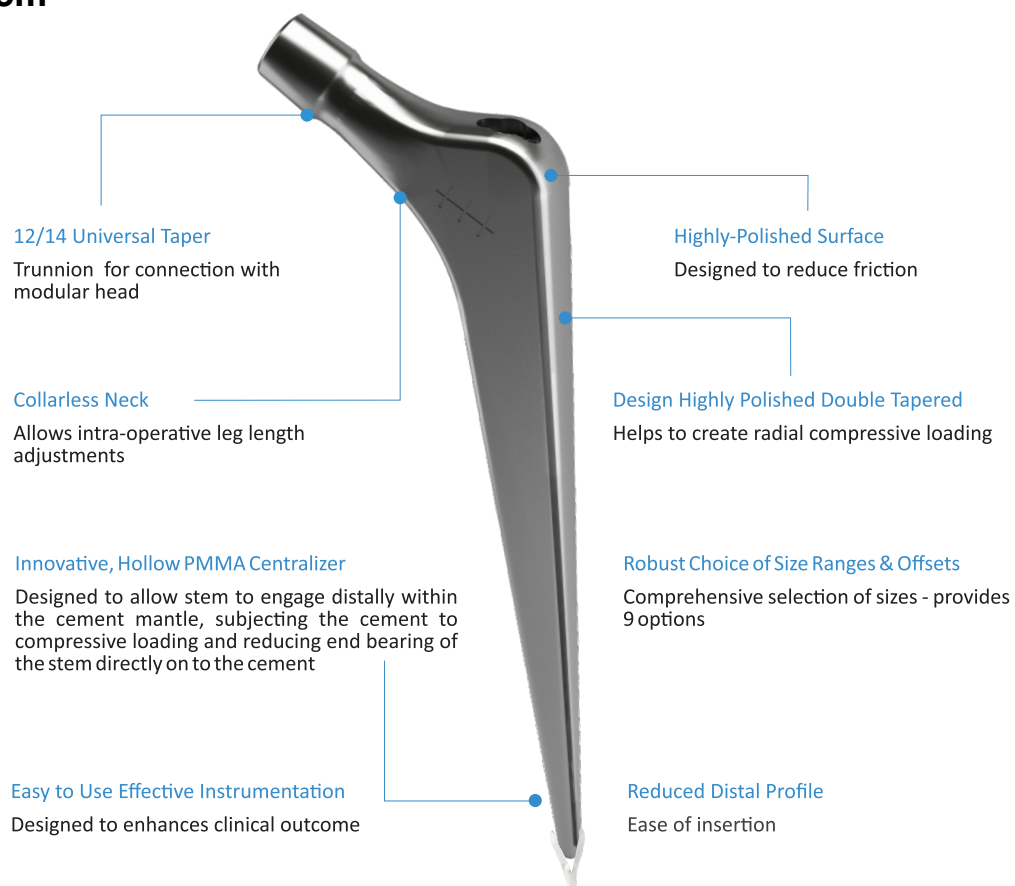
Pooyandegan Pezeshki Pardis



Cementless Stem System



Cemented Stem System

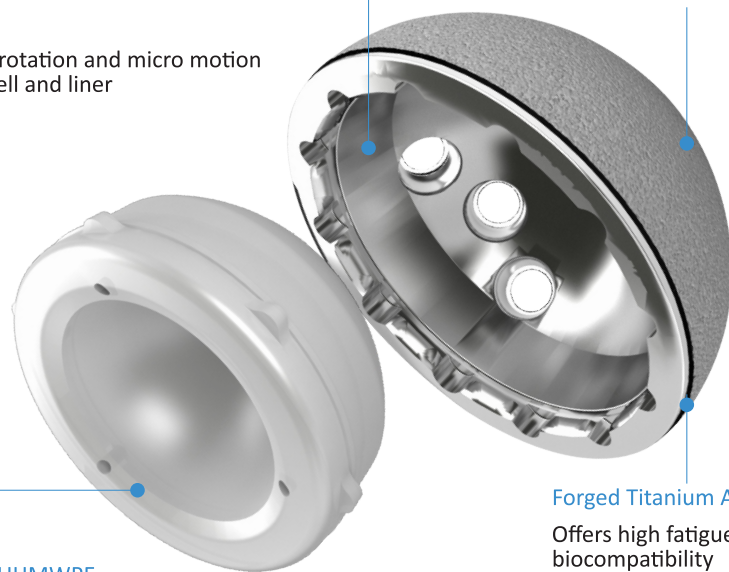


Cementless Acetabular System

- **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 in liner
- **Snap Fit Rim Locking**
Liner achieves press fit into shell for insertion and is resistant to extraction
- **Tab Locking**
Avoids anti-rotation and micro motion between shell and liner

Hemispherical Shape with Patented 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

Optimum Surgical Selection

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

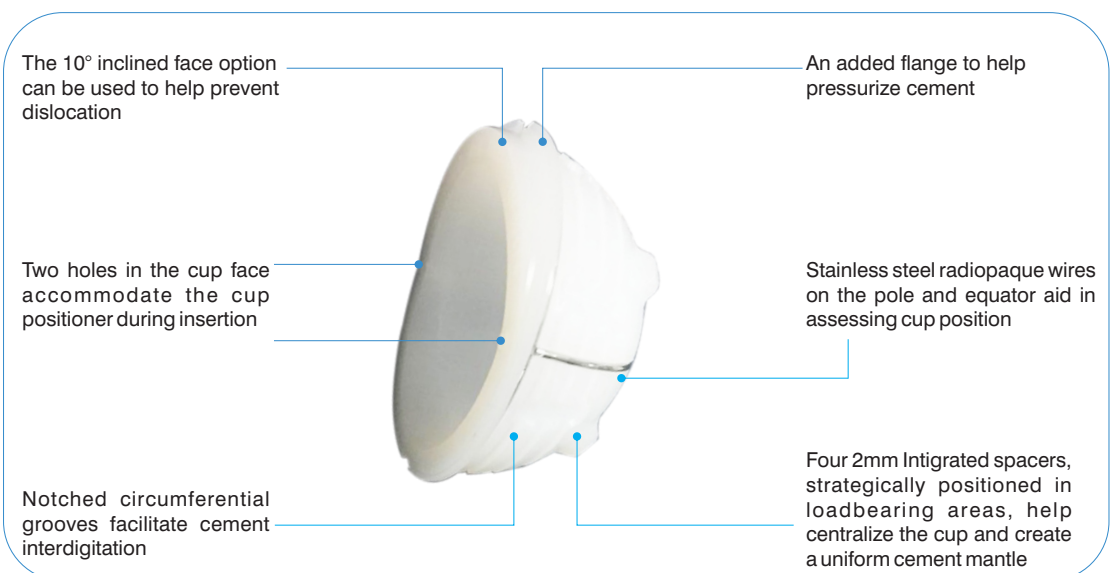
Forged Titanium Alloy (Ti-6Al-4V)

Offers high fatigue resistance and biocompatibility

Technical Features

- Surface roughness: Rt 300-600 μm
- Coating thickness: $500 \pm 100 \mu\text{m}$
- Coating adhesion strength: $\geq 35 \text{ Mpa}$
- Porosity: 30- 70%

Cemented Acetabular Cup



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

An added flange to help pressurize cement

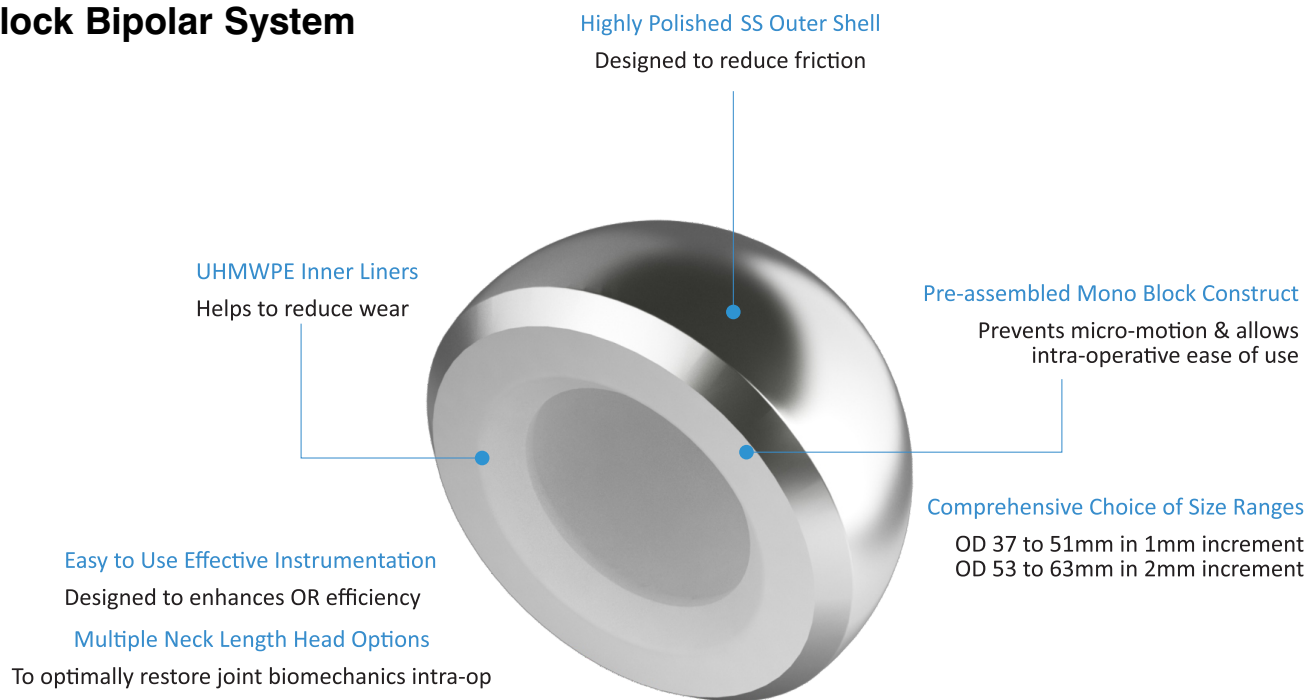
Two holes in the cup face accommodate the cup positioner during insertion

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

Mono Block Bipolar System



Femoral Modular Heads

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.

Biolog 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.