

Specification

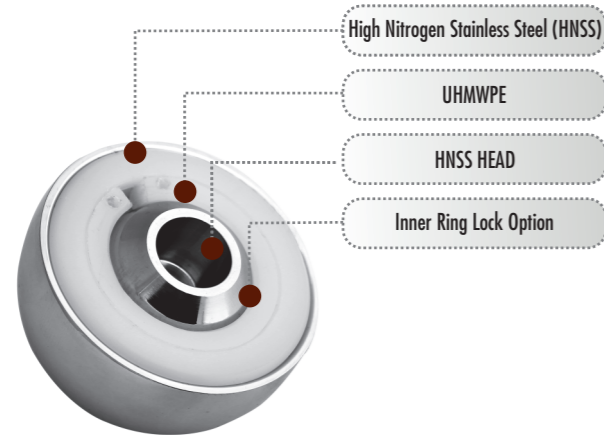
Hip Femoral Stem Options

Hip Femoral Stem Sizes	Stem Category	Offset (mm)	M/L Dimension (mm)	Stem Length (mm)	Neck Length (mm)
0	Small	36	11	127	46
N1	Narrow	38	13.5	149	48
N2	Narrow	38	16	149	48
N3	Narrow	38	18	149	48
S2	Standard	44.5	16	149	57

Hip Acetabular Side Options

Hip Allpoly Acetabular Cup (OD in mm)	40	42	44	46	48	50	52	54	56	58	60
Hip Femoral Head (OD in mm)	22	22	28	28	28	28	28	28	28	28	28
Hip Femoral Head offset (in mm)	0, +4, +8		-4, 0, +4, +8								

Hip Modular Bipolar



Hip Femoral Head (OD in mm) Options	38	40	42	44	46	48	50	52	54	56	58	
Hip Femoral Head (mm) Offset Options	22 (0, +4, +8)			28 (-4, 0, +4, +8)								

Intramedullary Plug



Prevents distal leakage of Bone Cement
Designed to withstand IM Pressure Levels
Material :
UHMWPE sourced from **Orthoplastics Ltd., UK**

Size (Dia)	8	10	12	14	16
Length (mm)	14.5	14.6	17.5	20	24.5

ALTIUS™

Cemented Hip Replacement System

Product Manual



ALTIUS is a cemented double-tapered stem manufactured in High-nitrogen Stainless Steel (HNSS), provided with a **PMMA / UHMWPE** distal centralizer to facilitate stem positioning and uniform cement mantle distribution.

SUCCESSFUL CLINICAL HISTORY

Collarless, Double-tapered, Highly Polished Design that inspired the Cemented stem has proven successful for more than 45 years of Hip Replacement.

As a collarless stem, intra-operatively **ALTIUS** facilitates surgeons to accommodate most patient anatomies and indications, including fracture and primary cases. It may be chosen as, either Total or Partial Hip Replacement system in surgeon's practice.

USER-FRIENDLY DESIGN

Three depth markings spaced 4mm apart are etched on the proximal part of the **ALTIUS** stem.

The markings allow for the correction of the leg length by adjusting the depth of the stem insertion.

The same markings are also indicated on the rasps. Winged **PMMA / UHMWPE** distal centralizer that facilitates the stem positioning and optimizes the load transfer.

Hip All Poly Acetabular Cup - LPW



Grooves for better cement fixation
15° hood to prevent dislocation

Material :
Highly Crosslinked Polyethylene / UHMWPE
sourced from **Orthoplastics Ltd., UK**
Sizes: 40mm to 60mm (2mm increments)

Hip Modular Bipolar Cup



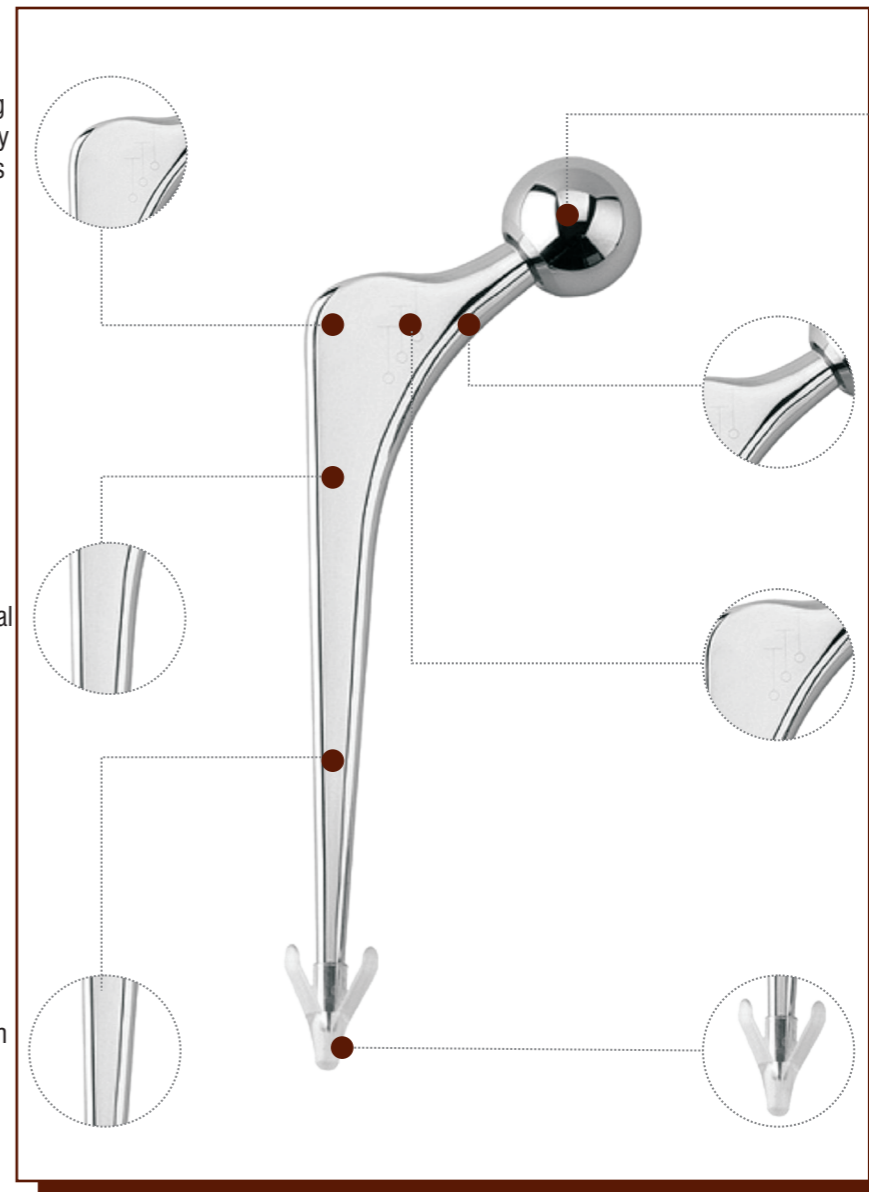
- Snap lock mechanism Self-centering design
- Outer surface polished to reduce friction
- HNSS sourced from **Schwerte, Germany**
- UHMWPE sourced from **Orthoplastics Ltd., UK**

ALTIUS™ Cemented Hip Replacement System

Highly polished finishing provides cement-friendly surface which optimizes the transfer

Double-tapered design provides axial & rotational stability

Forged HNSS Stem from **Sheffield, UK**



Highly Polished HNSS Head sourced from **Schwerte, Germany**
Sizes Available :
Dia **22mm**(0, +4, +8)
Dia **28mm**(-4, 0, +4, +8)

Polished neck surface minimizes soft tissue damage and liner wear, designed - **12/14** taper

3 depth markings spaced **4mm** apart allow for the correction of the leg

PMMA / UHMWPE Distal centralizer aids stem positioning and optimizes load transfer length