



AMPLITUDE[®]

OPTIMAL[®]
revision/reconstruction
cementless
femoral stem
with a modular neck

OPTIMAL®: important components of the intra medullary part



- Cementless femoral stem – partial HAP
- Double curve in the sagittal plane
- 5 sizes right and left with homothetic metaphyseal filling
- two lengths : 200 mm and 250 mm
- 2 distal diameters: 12, 14 mm (16 mm optional size)
- 80 µm HAP coating
- Material : anodized Titanium
- Asymmetric metaphyseal section
- Rotatory stability : quadrangular section

OPTIMAL®: cementless femoral stem partial HAP



- Femoral stem indicated for revision and reconstruction cases
- Anterior metaphyseal filling offering bone filling and osseous solicitation
- Independant intra and extra medullar adjustment thanks to modular neck
- Lockable system by threaded pin

OPTIMAL®: important components of the intra medullary part



- Perfect visualisation of the impaction limit
- Mirror polished collar
- Thin external shoulder



- Stem-neck modular connection via an elliptical Morse taper
- Impaction aligned with the stem axis
- Threaded bottom of the oblong taper for easier impaction and extraction of the stem

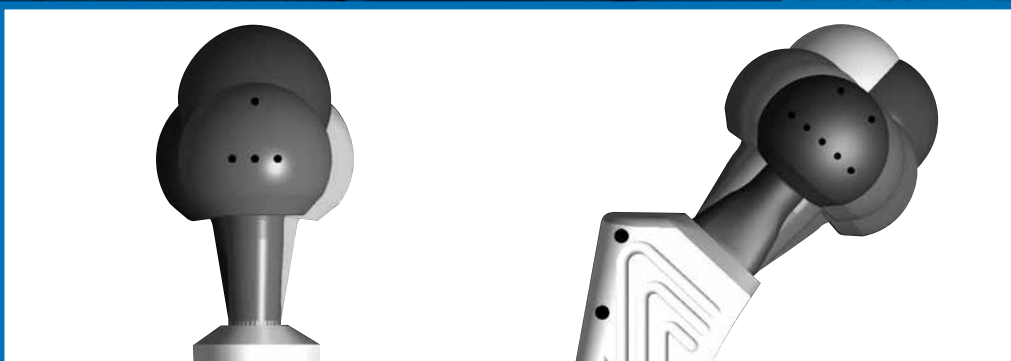


- Threaded pins offering a better resistance to the shear stress
- Fixation by a threading under the threaded head pin
- Ø 4,5 mm in length 30 to 45 mm

OPTIMAL®: important components of the extra medullary part



- Double Morse taper modular neck
- Proximal taper: 10/12 taper ($5^{\circ}42'30''$)
- Distal taper: elliptical design
- Narrow mirror-like polished neck design
- Laser marked proximal taper
- Material: anodized Titanium



- 4 interchangeable necks offering 8 articular centres:
 - lateralized/medialized modular neck
 - lateralized/medialized +10.5 modular neck
 - lateralized +/-medialized + modular neck
 - ante/retro 8° modular neck
- Combined with 3 head lengths: 24 joint centres

Cementless OPTIMAL® revision modular femoral stem Size 1 Ø 12 Lg 200 left 1-01073L1
 Cementless OPTIMAL® revision modular femoral stem Size 2 Ø 12 Lg 200 left 1-01073L2
 Cementless OPTIMAL® revision modular femoral stem Size 3 Ø 12 Lg 200 left 1-01073L3
 Cementless OPTIMAL® revision modular femoral stem Size 4 Ø 14 Lg 200 left 1-01073L4
 Cementless OPTIMAL® revision modular femoral stem Size 5 Ø 14 Lg 200 left 1-01076L5
 Cementless OPTIMAL® revision modular femoral stem Size 1 Ø 12 Lg 200 right 1-01073R1
 Cementless OPTIMAL® revision modular femoral stem Size 2 Ø 12 Lg 200 right 1-01073R2
 Cementless OPTIMAL® revision modular femoral stem Size 3 Ø 12 Lg 200 right 1-01073R3
 Cementless OPTIMAL® revision modular femoral stem Size 4 Ø 14 Lg 200 right 1-01073R4
 Cementless OPTIMAL® revision modular femoral stem Size 5 Ø 14 Lg 200 right 1-01076R5

OPTIMAL® reconstruction modular femoral stem cementless Size 1 Ø 12 Lg 250 left 1-01074L1
 OPTIMAL® reconstruction modular femoral stem cementless Size 2 Ø 12 Lg 250 left 1-01074L2
 OPTIMAL® reconstruction modular femoral stem cementless Size 3 Ø 12 Lg 250 left 1-01074L3
 OPTIMAL® reconstruction modular femoral stem cementless Size 4 Ø 14 Lg 250 left 1-01074L4
 OPTIMAL® reconstruction modular femoral stem cementless Size 5 Ø 14 Lg 250 left 1-01077L5
 OPTIMAL® reconstruction modular femoral stem cementless Size 1 Ø 12 Lg 250 right 1-01074R1
 OPTIMAL® reconstruction modular femoral stem cementless Size 2 Ø 12 Lg 250 right 1-01074R2
 OPTIMAL® reconstruction modular femoral stem cementless Size 3 Ø 12 Lg 250 right 1-01074R3
 OPTIMAL® reconstruction modular femoral stem cementless Size 4 Ø 14 Lg 250 right 1-01074R4
 OPTIMAL® reconstruction modular femoral stem cementless Size 5 Ø 14 Lg 250 right 1-01077R5

Threaded pin Ø 4,7 Length 30 mm 1-0107530
 Threaded pin Ø 4,7 Length 35 mm 1-0107535
 Threaded pin Ø 4,7 Length 40 mm 1-0107540
 Threaded pin Ø 4,7 Length 45 mm 1-0107545

Lateralized/Medialized modular neck – 10/12 taper 1-0106701
 Ante/Retro 8° modular neck – 10/12 taper 1-0106702
 Lateralized +/Medialized + modular neck – 10/12 taper 1-0106703
 Lateralized/Medialized +10.5 modular neck – 10/12 taper 1-0106704

M30NW metal femoral head, Ø 22.2 Short neck 1-0101101
 M30NW metal femoral head, Ø 22.2 Medium neck 1-0101102
 M30NW metal femoral head, Ø 22.2 Long neck 1-0101103
 M30NW metal femoral head, Ø 28 Short neck 1-0101111
 M30NW metal femoral head, Ø 28 Medium neck 1-0101112
 M30NW metal femoral head, Ø 28 Long neck 1-0101113
 M30NW metal femoral head, Ø 28 Extra Long neck 1-0101114

BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 28 mm short neck 1-0191101
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 28 mm medium neck 1-0191102
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 28 mm long neck 1-0191103
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 32 mm short neck 1-0191111
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 32 mm medium neck 1-0191112
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 32 mm long neck 1-0191113
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 36 mm short neck 1-0191121
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 36 mm medium neck 1-0191122
 BIOLOX® Delta ceramic femoral head – 10/12 taper – Ø 36 mm long neck 1-0191123