

Technical Sheet

OPTIMAL[®]

Revision/Reconstruction femoral stem
with modular necks
cementless

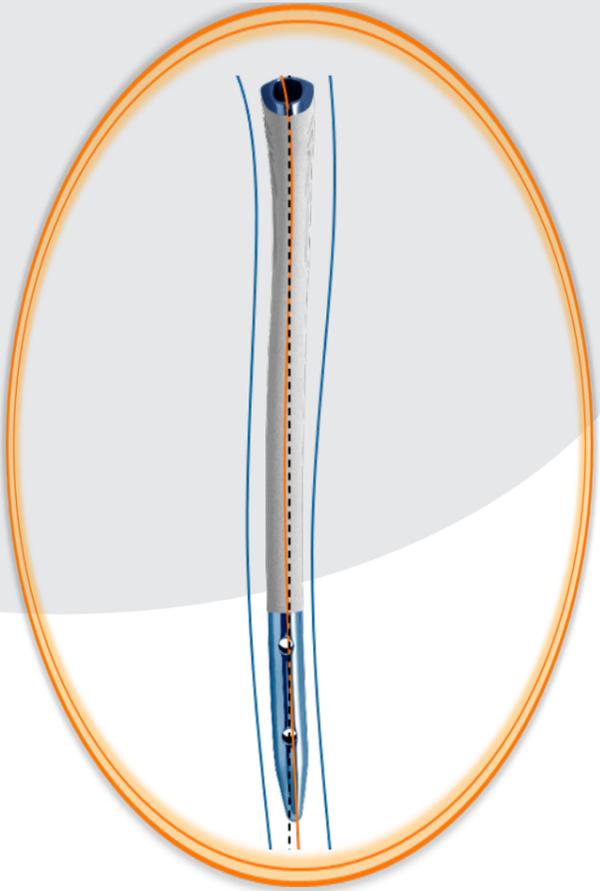


AMPLITUDE[®]

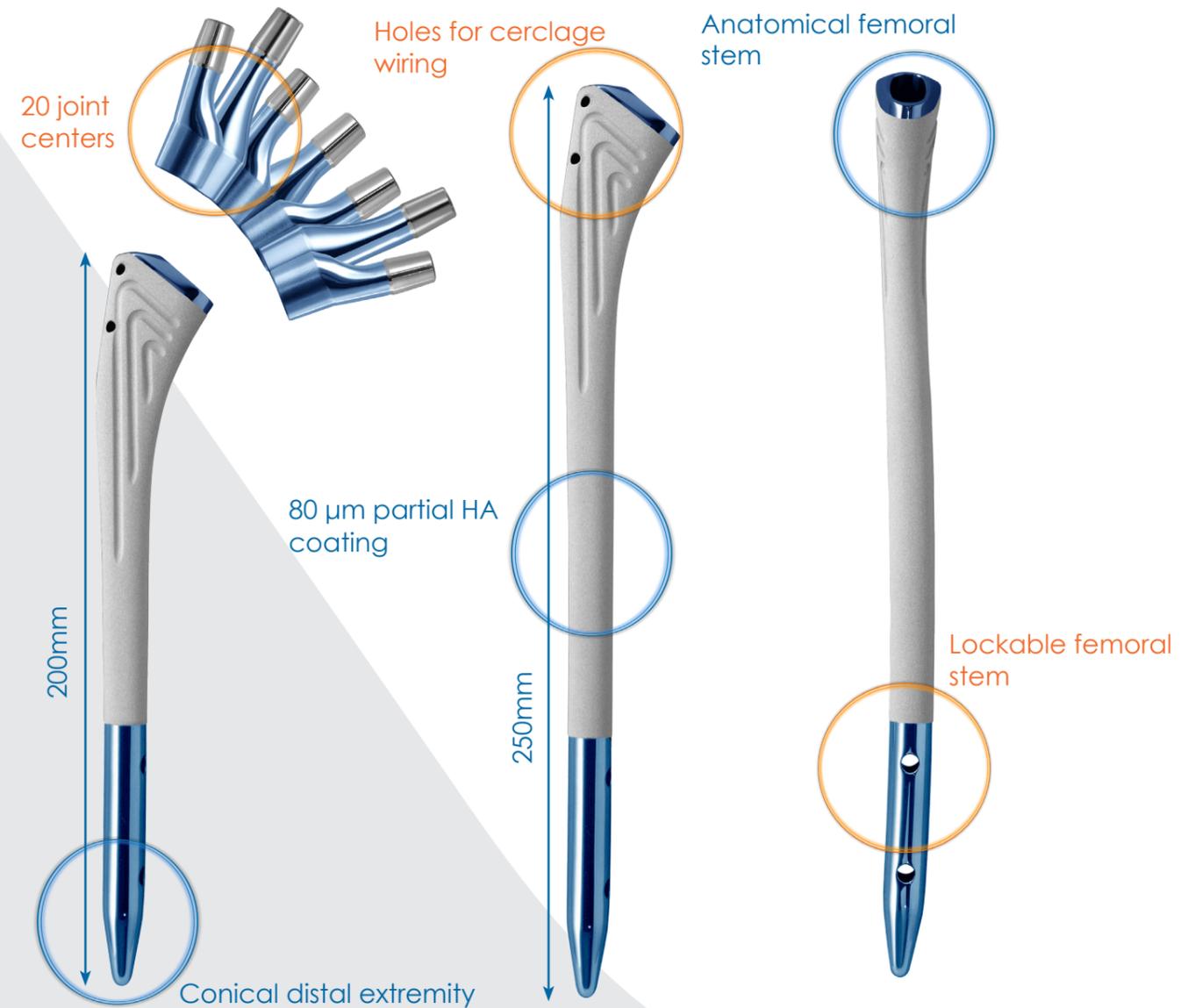
- Cementless femoral stem with partial HA
- Dual curvature in the sagittal plane
- 5 left and right sizes with homothetic evolution at the metaphysis
- 2 lengths: 200 mm and 250 mm
- 2 distal diameters: 12 mm & 14 mm depending on size
- 80 μm partial HA coating
- Material: Anodized Titanium alloy (Ti6Al4V)



- Metaphyseal and diaphyseal filling thanks to the dual curve



- Femoral stem indicated for revision and reconstruction cases*
- Independant adjustment between the intra and extra-medullary part thanks to the modular necks
- Stem can be locked with threaded pins



* complete indications and contraindications are described in the IFU provided with the medical device



- Impact limit landmark: HA coating
- Mirror polished surface above the impaction limit

- Elliptical cross-section Morse taper for modular neck fixation
- Impaction in the stem axis
- Threaded hole at the bottom of the oblong taper for impaction and extraction purposes

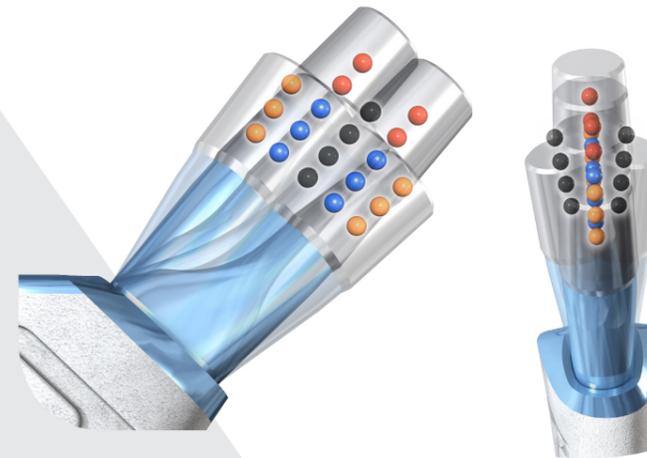


- Threaded pins
- Fixation with the thread under the head
- Ø 4,7 mm length from 30 to 45 mm



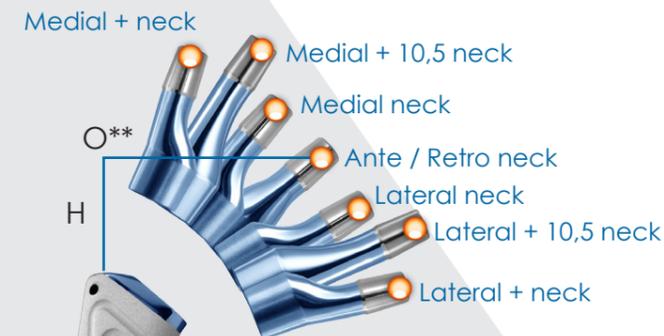
MODULAR NECKS:

- Modular neck with dual morse taper
- 10/12 (5°42'30'') proximal Morse taper
- Distal taper: elliptical cross-section
- Thin mirror polished neck
- Laser engraving on the proximal cross-section
- Material: Anodized Titanium alloy (Ti6Al4V)



- 4 reversible modular neck allowing 8 positions:
 - Lateral/medial neck
 - Lateral/medial neck +10,5
 - Lateral plus/medial plus neck
 - Anteverted/retroverted 8° neck
- Combined with different head lengths, modular necks allow restoration of 24 joint centres*

*Please refer to the instructions for use for head-neck authorized associations



**Distance between diaphysis and head centre with medium neck

		Lateral Neck	Medial Neck	Lateral +10,5 Neck	Medial +10,5 Neck	Lateral + Neck	Medial + Neck	Ante / Retro Neck
Size 1	O	41	35	48	42	44	32	38
	H	12	18	20	26	9	21	15
Size 2	O	42	35	49	42	45	32	38,5
	H	12	18	20	26	9	21	15
Size 3	O	42	36	49	43	45	33	39
	H	12	18	20	26	9	21	15
Size 4	O	43	36	50	43,5	46	33	39,5
	H	12	18	20	26	9	21	15
Size 5	O	43	37	50	44	46	33	40
	H	12	18	20	26	9	21	15

References



OPTIMAL® Revision

	Left	Right
OPTIMAL® modular revision femoral stem - Partial HA coated - cementless - Size 1 - Ø12 - Lg 200 mm	1-01073L 1	1-01073R 1
OPTIMAL® modular revision femoral stem - Partial HA coated - cementless - Size 2 - Ø12 - Lg 200 mm	1-01073L 2	1-01073R 2
OPTIMAL® modular revision femoral stem - Partial HA coated - cementless - Size 3 - Ø12 - Lg 200 mm	1-01073L 3	1-01073R 3
OPTIMAL® modular revision femoral stem - Partial HA coated - cementless - Size 4 - Ø14 - Lg 200 mm	1-01073L 4	1-01073R 4
OPTIMAL® modular revision femoral stem - Partial HA coated - cementless - Size 5 - Ø14 - Lg 200 mm	1-01076L 5	1-01076R 5

OPTIMAL® Reconstruction

	Left	Right
OPTIMAL® modular reconstruction femoral stem - Partial HA coated - cementless - Size 1 - Ø12 - Lg 250 mm	1-01074L 1	1-01074R 1
OPTIMAL® modular reconstruction femoral stem - Partial HA coated - cementless - Size 2 - Ø12 - Lg 250 mm	1-01074L 2	1-01074R 2
OPTIMAL® modular reconstruction femoral stem - Partial HA coated - cementless - Size 3 - Ø12 - Lg 250 mm	1-01074L 3	1-01074R 3
OPTIMAL® modular reconstruction femoral stem - Partial HA coated - cementless - Size 4 - Ø14 - Lg 250 mm	1-01074L 4	1-01074R 4
OPTIMAL® modular reconstruction femoral stem - Partial HA coated - cementless - Size 5 - Ø14 - Lg 250 mm	1-01077L 5	1-01077R 5

Components

Lateral / Medial modular neck - 10/12 Taper	1-01067 01
Ante/ Retro 8° modular neck - 10/12 Taper	1-01067 02
Lateral + / Medial + modular neck - 10/12 Taper	1-01067 03
Lateral/ Medial +10,5 modular neck - 10/12 Taper	1-01067 04
Threaded pin - Ø 4,7 Length 30 mm	1-01075 30
Threaded pin - Ø 4,7 Length 35 mm	1-01075 35
Threaded pin - Ø 4,7 Length 40 mm	1-01075 40
Threaded pin - Ø 4,7 Length 45 mm	1-01075 45

Femoral heads

	Short neck	Medium neck	Long neck	Extra-long neck
Metallic femoral head M30NW - 10/12 Taper - Ø 22.2 mm	1-01011 01	1-01011 02	1-01011 03	-
Metallic femoral head M30NW - 10/12 Taper - Ø 28 mm	1-01011 11	1-01011 12	1-01011 13	1-01011 14
Metallic femoral head M30NW - 10/12 Taper - Ø 32 mm*	1-01011 21*	1-01011 22*	1-01011 23*	-
BIOLOX® Delta ceramic femoral head - 10/12 Taper - Ø 28 mm	1-01911 01	1-01911 02	1-01911 03	-
BIOLOX® Delta ceramic femoral head - 10/12 Taper - Ø 32 mm	1-01911 11	1-01911 12	1-01911 13	-
BIOLOX® Delta ceramic femoral head - 10/12 Taper - Ø 36 mm	1-01911 21	1-01911 22	1-01911 23	-

*optional, available on request only

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