



FICHE TECHNIQUE





Straight cementless primary femoral stem

Length reduced by 20% compared to a classical stem*

Standard and Lateralized options, collared or collarless

Extra-medullary dimensions divided into **3 families of 3 stems**

Restoration of Hip biomechanics

- Standard stems with 135° neck-shaft angle
- Lateralized stems with 129° neck-shaft angle

Bone Stock Preservation

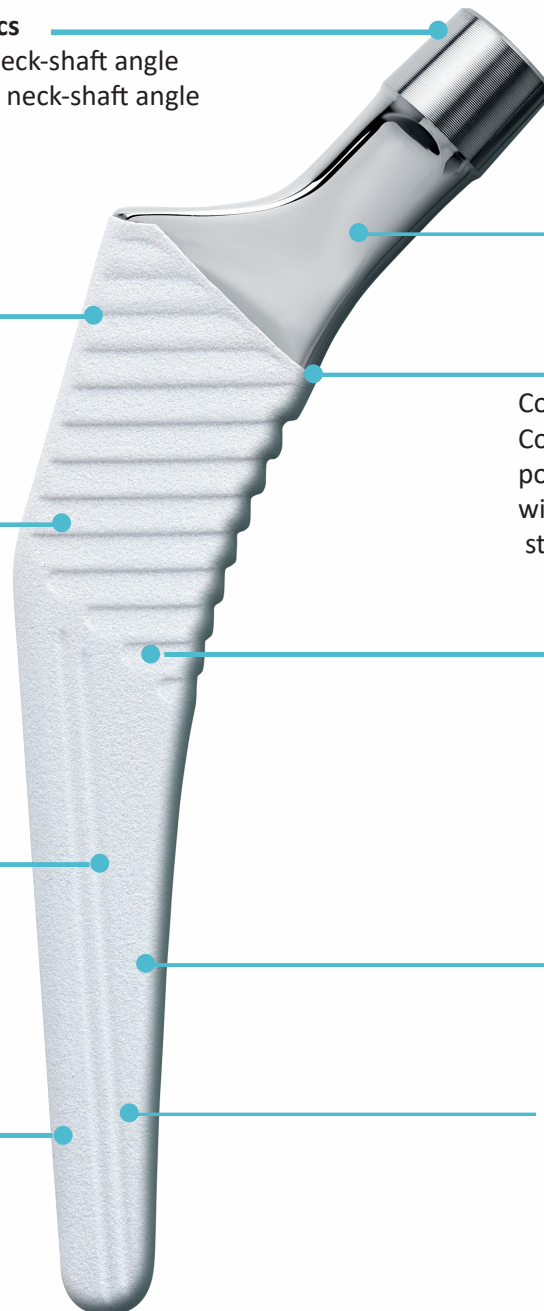
Reduced Lateral Shoulder

Proximal Grooves

Primary stability at impaction, secondary stability thanks to an increased contact area with bone

Open Distal Grooves

Distal Taper

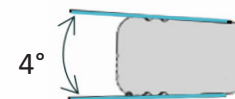


Flat Surface
under taper

Adaptability

Collared and Collarless stems. Collar has the same antero-posterior width as the stem, with an evolutive length with stem size (homothetic growth).

Trapezoidal cross-section
(4° flare)



Homothetic intra-medullary evolution

Full HA coating on the intra-medullary part 155µm

9 Femoral Sizes (sizes 1 to 9)

12/14 Taper

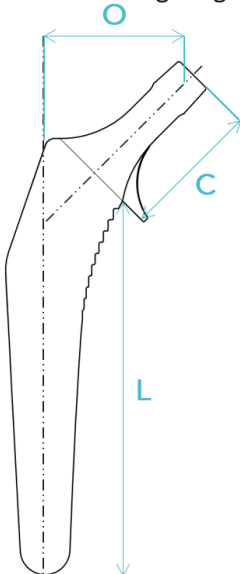
Material: Titanium Alloy Ti6Al4V

* Compared to the AMPLITUDE stems EVOK[®], INTEGRALE[®]

Important Features

Extra-medullary Design:

Evolution of necks and offsets by extra-medullary families: one family includes 3 stem sizes. There are links between families to keep the same centre of rotation, and links between Standard and Lateralized stems to keep the same leg length.



Family	Size	L (mm)	O (mm)		C (mm)		Neck-Shaft Angle	
			Standard	Lateralized	Standard	Lateralized	Standard	Lateralized
Family A	1	87	38,4	44,3	32	34	135°	129°
	2	91						
	3	95						
Family B	4	98	41,2	47,8	36	39	135°	129°
	5	102						
	6	105						
Family C	7	109	44,1	51,3	40	43	135°	129°
	8	113						
	9	116						

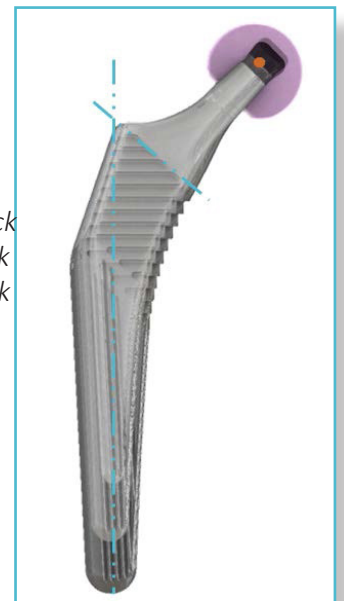
Links between extra-medullary families:



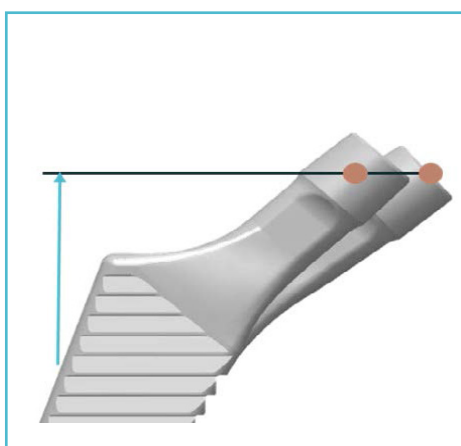
Centre of Rotation Medium Neck family N*
 = Centre of Rotation Short Neck family N*+1
 = Centre of Rotation Long Neck family N*-1

Example:

*centre of rotation STD Stem size 6 Medium Neck
 = centre of rotation STD Stem size 7 Short Neck
 = centre of rotation STD Stem size 3 Long Neck*



Links between Standard and Lateralized options in the same family:



Height Centre of Rotation Medium Neck STANDARD Stem family N*
 = Height Centre of Rotation Long Neck LATERALIZED Stem family N*

*Example: Leg length with STD Stem Size 3 Medium Neck
 = Leg length with LAT Stem Size 3 Long Neck*

* N = A, B or C


F.A.I.R.® CEMENTLESS STEM - HA COATED

	COLLARLESS	COLLARED
F.A.I.R.® Standard Femoral Stem - Size 1	1-01924 01	1-01925 01
F.A.I.R.® Standard Femoral Stem - Size 2	1-01924 02	1-01925 02
F.A.I.R.® Standard Femoral Stem - Size 3	1-01924 03	1-01925 03
F.A.I.R.® Standard Femoral Stem - Size 4	1-01924 04	1-01925 04
F.A.I.R.® Standard Femoral Stem - Size 5	1-01924 05	1-01925 05
F.A.I.R.® Standard Femoral Stem - Size 6	1-01924 06	1-01925 06
F.A.I.R.® Standard Femoral Stem - Size 7	1-01924 07	1-01925 07
F.A.I.R.® Standard Femoral Stem - Size 8	1-01924 08	1-01925 08
F.A.I.R.® Standard Femoral Stem - Size 9	1-01924 09	1-01925 09
F.A.I.R.® Lateralized Femoral Stem - Size 1	1-01926 01	1-01927 01
F.A.I.R.® Lateralized Femoral Stem - Size 2	1-01926 02	1-01927 02
F.A.I.R.® Lateralized Femoral Stem - Size 3	1-01926 03	1-01927 03
F.A.I.R.® Lateralized Femoral Stem - Size 4	1-01926 04	1-01927 04
F.A.I.R.® Lateralized Femoral Stem - Size 5	1-01926 05	1-01927 05
F.A.I.R.® Lateralized Femoral Stem - Size 6	1-01926 06	1-01927 06
F.A.I.R.® Lateralized Femoral Stem - Size 7	1-01926 07	1-01927 07
F.A.I.R.® Lateralized Femoral Stem - Size 8	1-01926 08	1-01927 08
F.A.I.R.® Lateralized Femoral Stem - Size 9	1-01926 09	1-01927 09



FEMORAL HEADS	SHORT NECK	MEDIUM NECK	LONG NECK	EXTRA-LONG NECK
Metallic femoral head M30NW—Taper 12/14—Ø22,2 mm	1-0190701	1-0190702	1-0190703	-
Metallic femoral head M30NW—Taper 12/14—Ø28mm	1-0190711	1-0190712	1-0190713	1-0190714
Metallic femoral head M30NW—Taper 12/14—Ø32 mm	1-0190721	1-0190722	1-0190723	-
Ceramic femoral head BIOLOX® DELTA—Taper 12/14—Ø28 mm	1-0190911	1-0190912	1-0190913	-
Ceramic femoral head BIOLOX® DELTA—Taper 12/14—Ø32 mm	1-0190921	1-0190922	1-0190923	1-0190924
Ceramic femoral head BIOLOX® DELTA—Taper 12/14—Ø36 mm	1-0190931	1-0190932	1-0190933	1-0190934

Service Clients – France :

Porte du Grand Lyon,
01700 Neyron – France
Tél. : **+33 (0)4 37 85 19 19**
Fax : +33 (0)4 37 85 19 18
E-mail : amplitude@amplitude-ortho.com

Customer Service – Export :

11, cours Jacques
Offenbach,ZA Mozart 2,
26000 Valence – France
Tél. : **+33 (0)4 75 41 87 41**
Fax : +33 (0)4 75 41 87 42