



TECHNICAL SHEET



Range of cemented Charnley-Kerboull type stems

Standard, Dysplasia and Revision options

10/12 taper

10/12 Taper
(5°42'30'')

Shiny-polished surface
that avoids cement
mantle grind⁽¹⁾

Neck-shaft angle:

130° on all first sizes of each series
(XX1 S/D/R), decreasing on large sizes

**Tapered front and profile
cross-section**

Hemispherical impaction
notch

Quadrangular cross-section
with rounded edges

Material: Stainless Steel M30NW

Standard Stem available in 13 sizes

Dysplasia Stem available in 5 sizes (1 in each series)

Revision Stem available in 4 sizes in 2 to 3 lengths by size (200 to 300mm)

⁽¹⁾ T. Scheerlinck, P.-P. Casteleyn « The design features of cemented femoral hip implants »

Important Features



Standard Stem

Design similar to the original concept, with evolution of the intra- and extra-medullary dimensions according to the series and size, in accordance with the initial design



Dysplasia Stem

Low profile intra-medullary design, adapted to narrow femoral canals, extra-medullary design identical to standard stems



Revision Stem

Intra and extra-medullary parts identical to primary intention stems, only the length increases



Size Description:

302 S

300 identifies the series

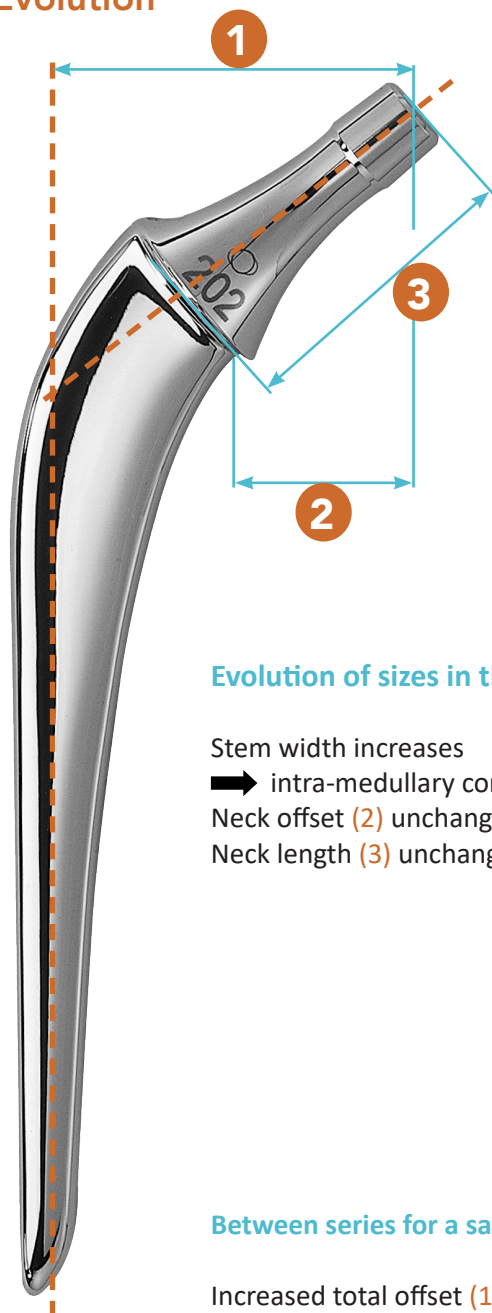
2 identifies the stem size number into the series

S = Standard

D = Dysplasia

R = Revision

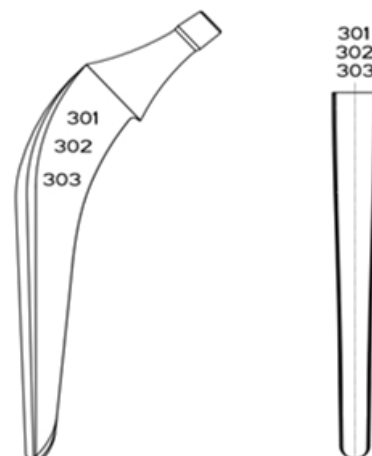
Evolution



- 1** Total Offset
- 2** Neck Offset
- 3** Neck Length

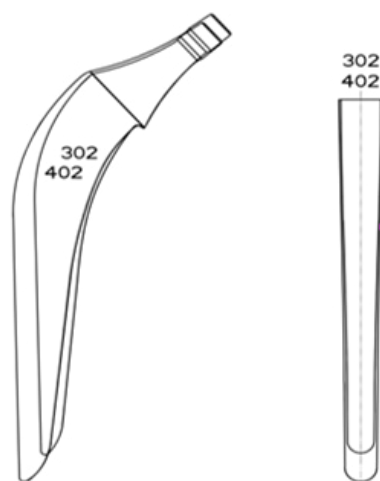
Evolution of sizes in the same series:

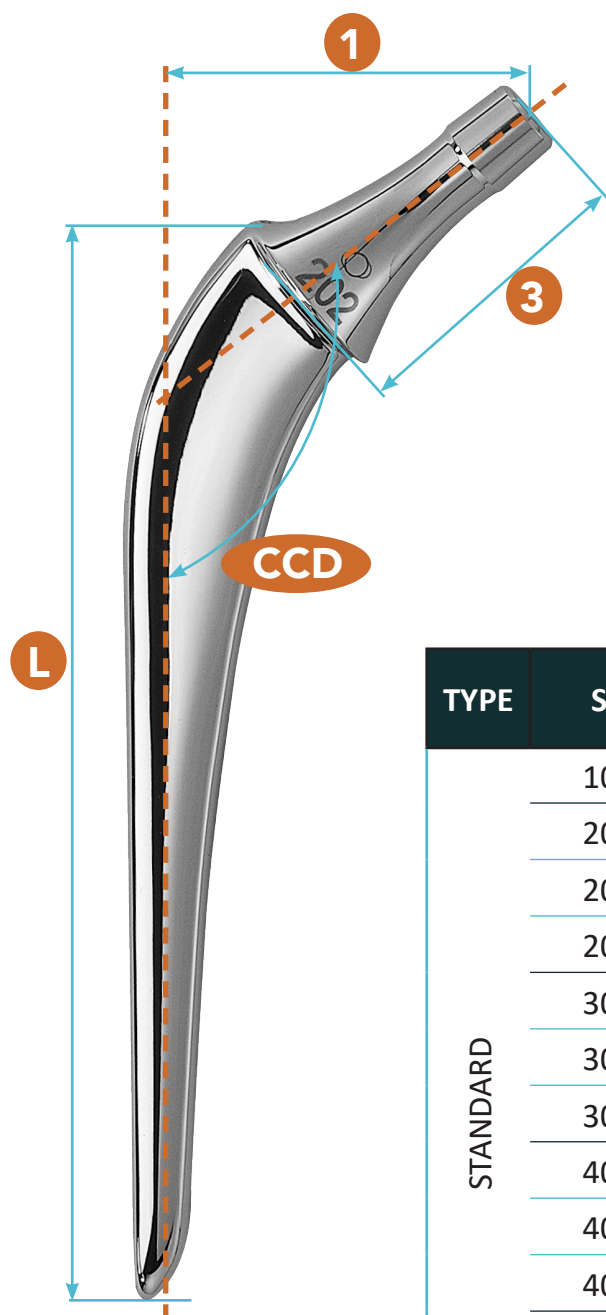
Stem width increases
 ➔ intra-medullary congruency (1).
 Neck offset (2) unchanged.
 Neck length (3) unchanged.



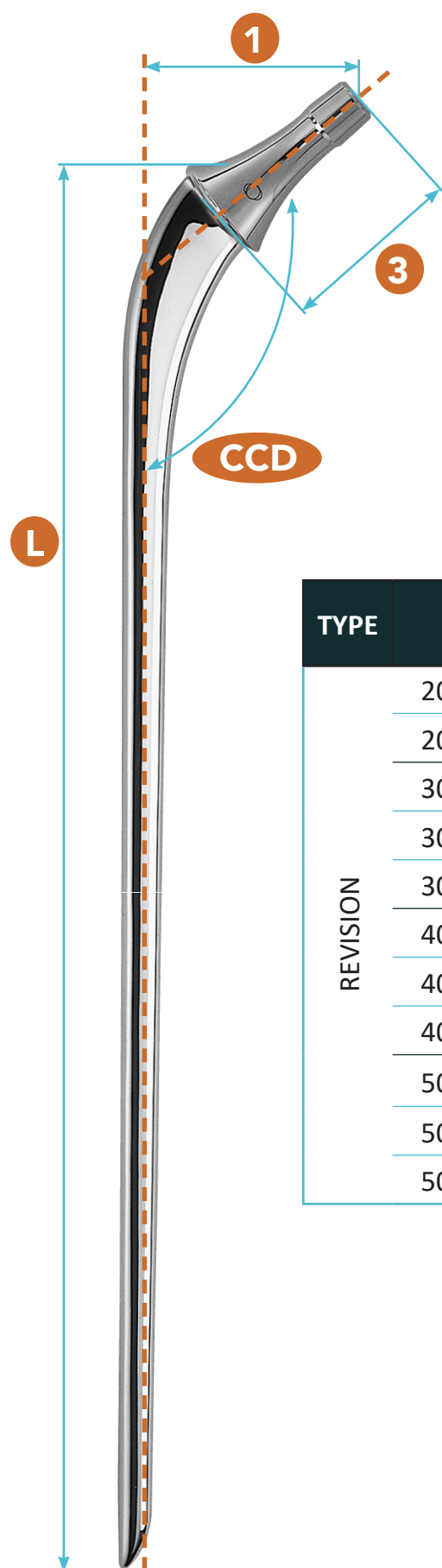
Between series for a same size:

Increased total offset (1).
 Increased neck offset (2).
 Increased neck length (3).





TYPE	SIZE	CCD (Neck-shaft Angle)	1	L	3
STANDARD	102 S	129,3°	37	120	31,4
	201 S	129,3°	41	135	35,4
	202 S	128,7°	42		
	203 S	128,1°	44		
	301 S	130°	47	140	39,4
	302 S	128,8°	49		
	303 S	128,1°	52		
	401 S	130°	55	150	43,4
	402 S	128,8°	56		
	403 S	127,3°	60		
	501 S	130°	53	160	50,4
	502 S	129°	56		
	601 S	130°	58	165	58,4
DYSPLASIA	121 D	130°	30	120	27,4
	221 D		35	130	35,4
	321 D		38	140	39,4
	421 D		41	150	43,4
	521 D		46	160	50,4



TYPE	SIZE	CCD (Neck-Shaft Angle)	1	L	3
REVISION	202-200	129°	42	200	35,4
	202-250			250	
	302-200		49	200	39,4
	302-250			250	
	302-300			300	
	402-200			200	
	402-250	130°	56	250	43,4
	402-300			300	
	501-200		53	200	50,4
	501-250			250	
	501-300			300	



INITIALE STANDARD STEM

	N° X01	N° X02	N° X03
INITIALE Femoral Stem - Standard - Cemented - 10/12 Taper - Size 10X S	-	1-0180 102	-
INITIALE Femoral Stem - Standard - Cemented - 10/12 Taper - Size 20X S	1-0180 201	1-0180 202	1-0180 203
INITIALE Femoral Stem - Standard - Cemented - 10/12 Taper - Size 30X S	1-0180 301	1-0180 302	1-0180 303
INITIALE Femoral Stem - Standard - Cemented - 10/12 Taper - Size 40X S	1-0180 401	1-0180 402	1-0180 403
INITIALE Femoral Stem - Standard - Cemented - 10/12 Taper - Size 50X S	1-0180 501	1-0180 502	-
INITIALE Femoral Stem - Standard - Cemented - 10/12 Taper - Size 60X S	1-0180 601	-	-

INITIALE DYSPLASIA STEM

INITIALE Femoral Stem - Dysplasia - Cemented - 10/12 Taper - Size 121 D	1-0140 121
INITIALE Femoral Stem - Dysplasia - Cemented - 10/12 Taper - Size 221 D	1-0140 221
INITIALE Femoral Stem - Dysplasia - Cemented - 10/12 Taper - Size 321 D	1-0140 321
INITIALE Femoral Stem - Dysplasia - Cemented - 10/12 Taper - Size 421 D	1-0140 421
INITIALE Femoral Stem - Dysplasia - Cemented - 10/12 Taper - Size 521 D	1-0140 521

INITIALE REVISION STEM

	Lg 200 mm	Lg 250 mm	Lg 300 mm
INITIALE Femoral Stem - Revision - Cemented - 10/12 Taper - Size 202 R	1-0160 220	1-0160 225	-
INITIALE Femoral Stem - Revision - Cemented - 10/12 Taper - Size 302 R	1-0160 320	1-0160 325	1-0160 330
INITIALE Femoral Stem - Revision - Cemented - 10/12 Taper - Size 402 R	1-0160 420	1-0160 425	1-0160 430
INITIALE Femoral Stem - Revision - Cemented - 10/12 Taper - Size 501 R	1-0160 520	1-0160 525	1-0160 530

FEMORAL HEADS

	SHORT NECK	MEDIUM NECK	LONG NECK
M30NW Metallic femoral head - Taper 10/12 - Ø22,2 mm	1-0101 101	1-0101 102	1-0101 103
M30NW Metallic femoral head - Taper 10/12 - Ø28mm	1-0101 111	1-0101 112	1-0101 113
BIOLOX [®] Delta Ceramic femoral head - Taper 10/12 - Ø28 mm	1-0191 101	1-0191 102	1-0191 103

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