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ORTHOPAEDICS



KONE

Femoral Stem

**PRODUCT
INFORMATION**



KONE Press-Fit

KONE is a multifunctional and alternative system that satisfies all needs and is indicated as a response to all arthroprosthetic pathologies. Although could be utilized even in femurs with normal morphologies, it is mostly indicated for dysplasias, osteotomy outcomes and fracture outcomes.

14 implant size

Taper

12/14 (top angle 5°42'30") BIOLOX approved.

Longitudinal ribs

The stem's longitudinal ribs are designed to slightly penetrate into the cortical bone, conferring a high grade of rotational stability.

Circular cross-section

The circular section allows free adjustment of the anteversion angle. This characteristic makes the KONE stem suitable for patients with bone deformations, in which forced rotation of the stem could cause dangerous stress concentration at the bone interface.

KONE Plus cemented

14 implant sizes

Taper

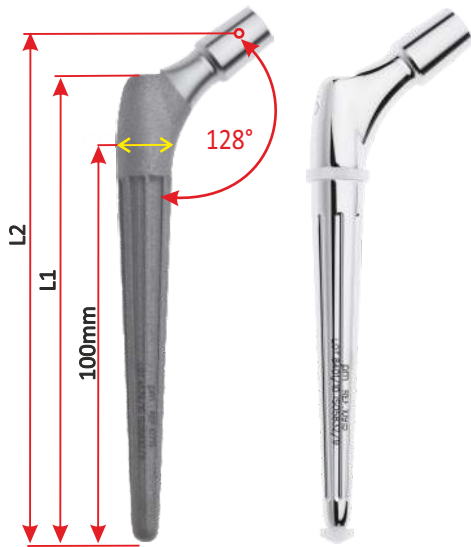
12/14 (top angle 5°42'30") BIOLOX approved.

Longitudinal grooves

The stem's longitudinal ribs are designed to confer to the stem a high degree of rotational stability avoiding excessive stress transmission to the bone cement mantle.

Centralizers

Proximal and distal UHMWPE centralizers allows the correct centering of the stem within the medullary canal, guaranteeing an even mantle of bone cement around the implant.

KONE femoral stem

Size	L1 mm	L2 mm	KONE Press-Fit	KONE Cemented
			reference	reference
13	116	126	10713	-
14	121	131	10714	10914
15	130	145	10715	10915
16	130	145	10716	10916
17	130	145	10717	10917
18	130	145	10718	10918
19	130	145	10719	10919
20	130	145	10720	10920
21	130	145	10721	10921
22	130	145	10722	10922
23	130	145	10723*	10923
24	130	145	10724*	-
25	130	145	10725*	-
26	130	145	10726*	-

Information**INTENDED PURPOSE:**

The KONE stem is intended for use in Total or partial Hip Replacement procedures, combined with a femoral ball head (or a bi-articular head) and an acetabular cup.

Indicated for primary hip arthroplasties in cases of serious joint degeneration, mainly due to arthrosis and post-traumatic degenerative factors, where cortical bone structure is suitable enough to guarantee correct and enduring mechanical fixation by means of the press-fit technique. Though its shape fits all kind of femurs, KONE femoral stem is particularly indicated for those femurs where the proximal region shape would not be suitable for a classically designed cementless stem. Such a condition can be found in some cases such as dysplastic hips, congenital coxa vara or valga, etc.

MATERIALS:

KONE Press-Fit: Titanium Aluminium Niobium alloy (Ti6Al7Nb) ISO5832/11

KONE PLUS: PM734 highly nitrogenized Stainless Steel forged alloy ISO5832/9

SURFACE FINISHING:

KONE Press-Fit: microstructured sandblasted surface ra 4-6µm.

KONE PLUS: polished finishing surface.

STERILIZATION:

Method: Irradiation (Beta or Gamma rays - nominal dose 25 kGy) or vaporized Hydrogen Peroxide (VH2O2).

Validity: 5 years (Beta) - 10 years (Gamma-VH2O2).

CLASSIFICATION:

Class III as reported in Directive 2005/50/CE (and related D.lgs 26 april 2007 n.65) concerning re-classification of Hip, Knee and Shoulder joint prostheses which modifies classification criteria of Annex IX of Directive 93/42/CEE and next integrations and amendments.



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