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ORTHOPAEDICS

PROMISE S

Femoral Stem

PRODUCT INFORMATION

CE
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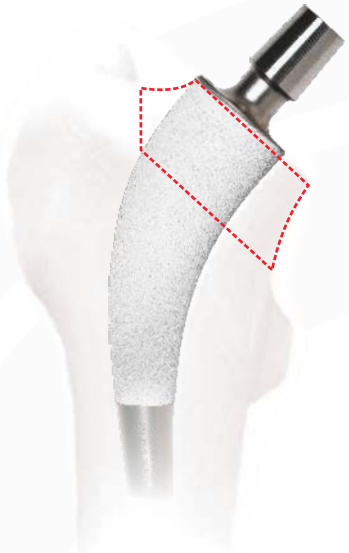


Bone sparing

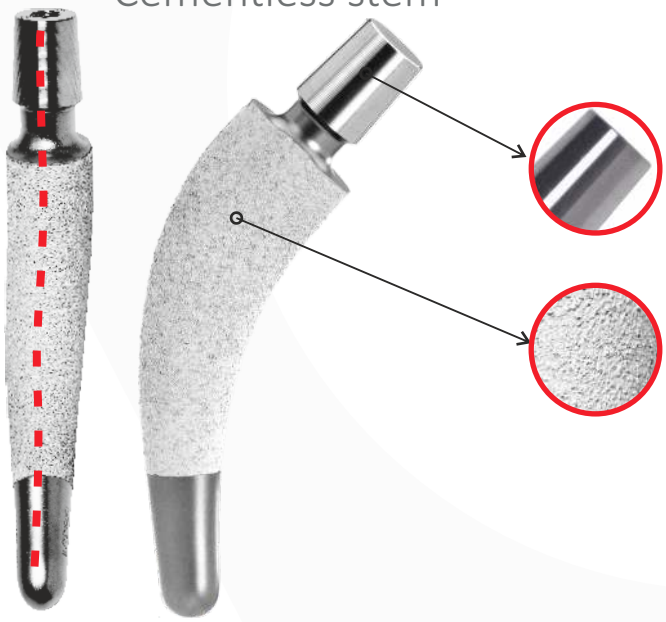
The PROMISE S stem is characterized by an anatomical shape and reduced dimensions thus allowing a minimally invasive approach, preservation of the femoral neck and minimal bone sacrifice in the metaphyseal region.

Physiological load bearing support

The anatomy of the femoral neck and the aspect of the force lines in the calcar region demonstrate an extremely resistant structure with an elevated load bearing capacity. And due to the angled position of the femoral neck, its preservation stabilizes the stem thus avoiding torsion movements.

PROMISE S HaX-Pore

Cementless stem



7 Anatomical sizes

Taper

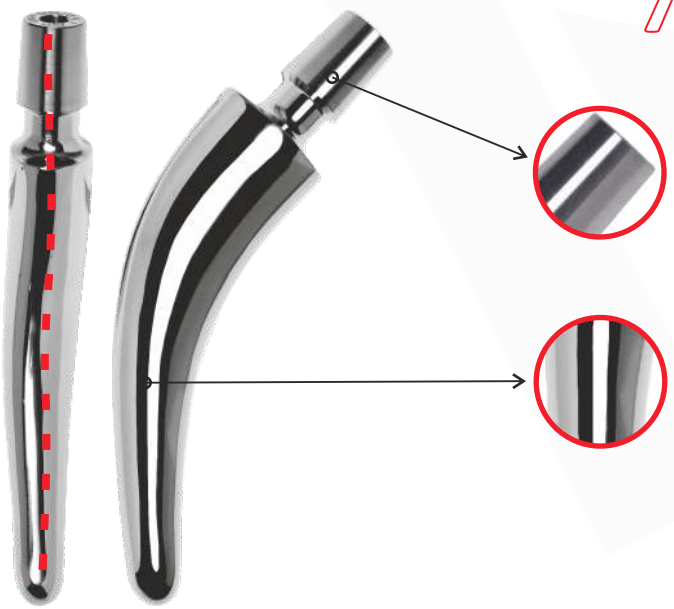
12/14 (top angle 5°42'30") BIOLOX approved

HaX-Pore

Surface coated with 500µm of pure Titanium and 40µm of hydroxyapatite, applied with plasma-spray technique in order to obtain good primary stability and encourage osteoblast growth.

PROMISE S PLUS

Cemented stem



7 Anatomical sizes

Taper

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

Mirror polished surface to enhance bone cement contact.

PROMISE S Neck Preserving Stems

PROMISE S HaX-Pore®

PROMISE S PLUS

		PROMISE S HaX-Pore®		PROMISE S PLUS	
	L	RIGHT	LEFT	RIGHT	LEFT
Size	length	reference	reference	reference	reference
1	67,6mm	13801	13811	13831	13841
2	72,3mm	13802	13812	13832	13842
3	77,7mm	13803	13813	13833	13843
4	78,0mm	13804	13814	13834	13844
5	78,4mm	13805	13815	13835	13845
6	82,4mm	13806	13816	13836	13846
7	86,5mm	13807	13817	13837	13847

Information

INTENDED PURPOSE:

PROMISE S is a short anatomical stem 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 in those cases where the degenerative pathology dose not involve the femoral neck, i.e. avascular necrosis of the femoral head, femoral head fractures (at the base of the head, not involving the neck) and/or early stage arthrosis. Device fixation is obtained by means of primary cementless press-fit stabilization or by using bone cement, depending on the version utilized.

MATERIALS:

STEMS: Titanium Aluminium Niobium (Ti6Al7Nb) forged alloy- ISO5832/11

SURFACE FINISHING:

PROMISE S HaX-Pore: double coating 500µm pure Titanium+40µm Hydroxyapatite $Ca_{10}(OH)_2(PO_4)_6$ plasma sprayed.

PROMISE S PLUS: Highly polished 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 amendements.

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