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ORTHOPAEDICS



Neck preserving stem

**PRODUCT  
INFORMATION**

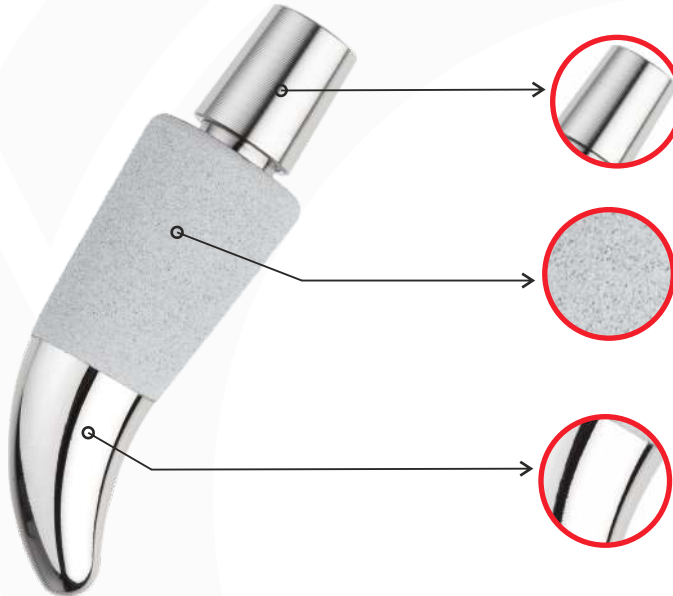


# Neck preserving cementless stem

## The real neck prosthesis

The anatomy of the proximal femoral neck has a particular trabecular structure that implies a precise system of distribution of the forces and transmission of the load. The **JUST** prosthesis fits perfectly into the bone trabecular system. Following Wolff's law, it recreates a physiological bone remodelling, utilizing the same trabecular system for osseointegration.

## 8 Implant sizes



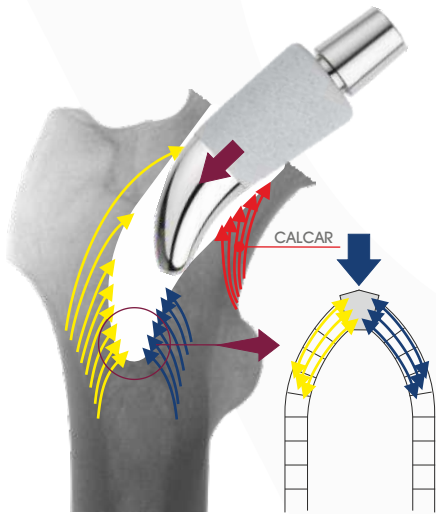
**Taper** 12/14 (top angle 5°42'30") BIOLOX approved

## HaX-Pore Bio-active coating

The proximal portion is coated with 300µm of porous pure Titanium and 80µm of hydroxyapatite, applied with plasma-spray technique in order to obtain good primary stability and to encourage osseointegration.

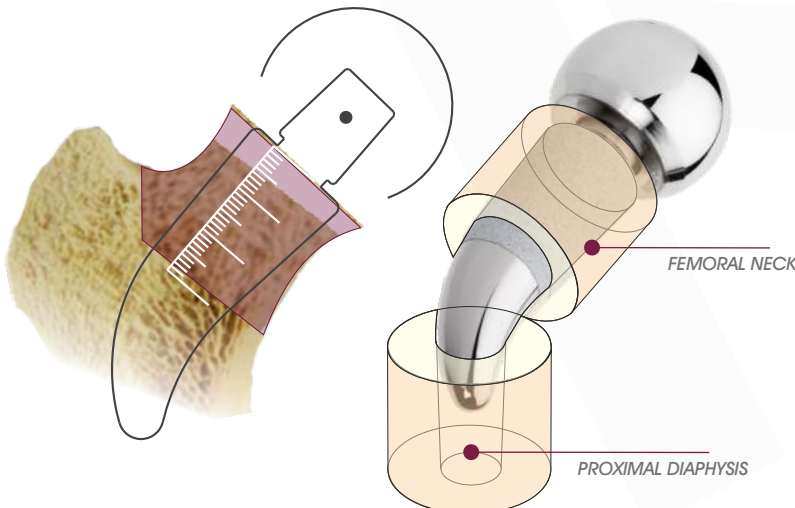
Polished surface in the distal tip.

## Physiological load bearing support



The solid calcar region, crisscrossed by dense trabeculae of the principal compressive group, support the implant. The arches of the inferior trabecular structure support the tail section of the Just prosthesis which acts as a "keystone" guaranteeing it's stability.

## High primary stability



The curved tail section of the Just prosthesis, as well as having an important function in the physiological load transmission, also covers the fundamental role of blocking during the torquing moment. This curvature, inserted into the "slanting double cylinder system", made up of the femoral neck and proximal diaphyseal, guarantees rotational stability.

*JUST is an Italian project, developed in cooperation with **dott. Andrea Camera\****  
*\*Director of the Complex Structure for Prosthetic Surgery - Santa Corona Hospital, Pietra Ligure (Italy).*

**JUST femoral neck stem**

\* Special sizes available ON REQUEST



	JUST
Size Ø	Reference
16	11116*
18	11118
20	11120
22	11122
24	11124
26	11126
28	11128
30	11130*

**Information****INTENDED PURPOSE:**

JUST Femoral Neck Prosthesis is a small device intended for primary Total Hip Replacements procedures together with a femoral ball-head and an acetabular cup. Indicated for primary hip arthroplasties in those cases where the pathology does not involve the femoral neck such as femoral head necrosis and/or early stage arthrosis.

Anchorage of the device to the bone is achieved by press-fit insertion, without the use of bone cement.

**MATERIALS:**

**STEM:** Titanium Aluminium Niobium forged alloy (Ti6Al7Nb) ISO5832/11

**SURFACE FINISHING:**

double coating 300µm pure Titanium+50µm Hydroxyapatite  $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$  vacuum plasma sprayed

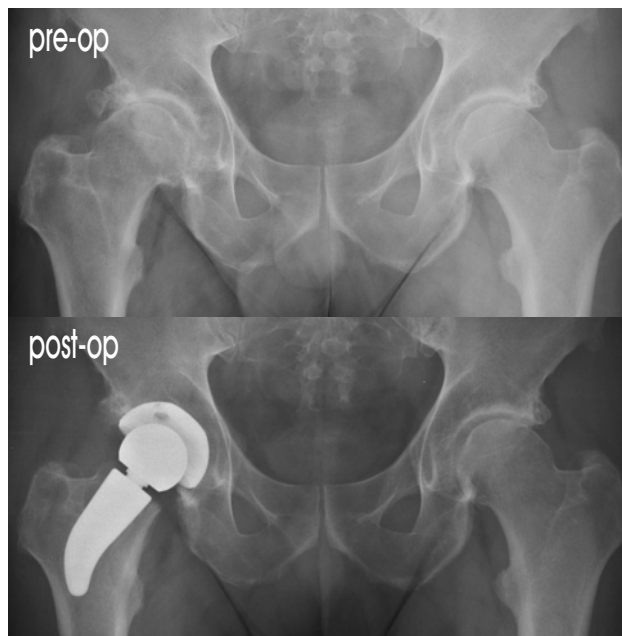
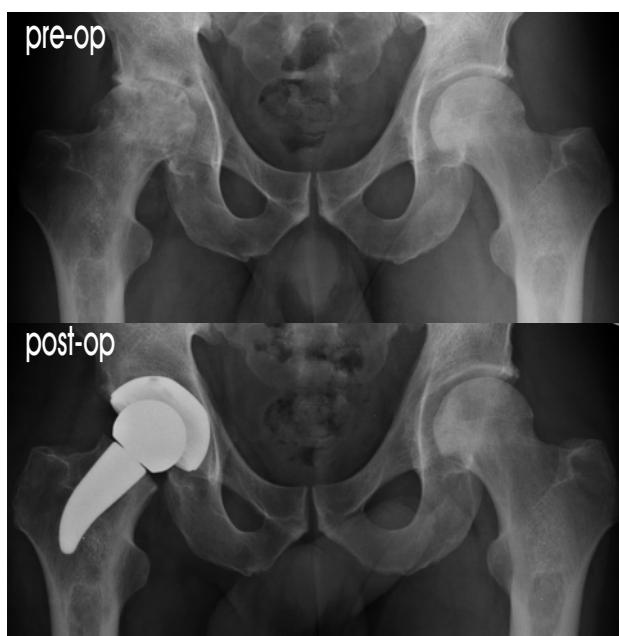
**STERILIZATION:**

**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.

**Clinical examples**



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