



Enjoy Mobility

KORUS SYSTEM

PRODUCT INFO

KORUS

S Y S T E M

The KORUS system was created with the aim to provide the surgeon with complete and reliable solutions for an increasingly personalized surgery.

The system includes:

KORUS, two uncemented models with CCD 135° and 125° angles, with or without collar

Cemented KORUS, two models with CCD 135° and 125° angles, also available with a distal centralizer and Modular

Modular KORUS, provided with 14 interchangeable necks, KORUS Titan, two models with CCD 135° and 125° angles



KORUS

S Y S T E M

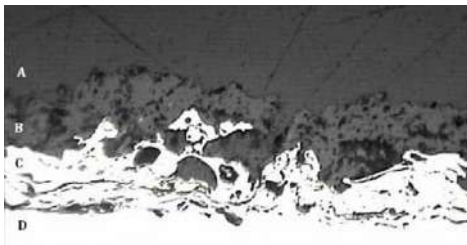
UNCEMENTED KORUS

Uncemented Korus stem, in the versions with or without collar and with 135° and 125° CCD angles, is coated with a layer of Hydroxyapatite (HA) OSPROVIT® with a thickness of $100 \pm 20\mu\text{m}$.

The combination of the tapered macrostructure, the horizontal and vertical grooves and the HA coating was designed to promote implant stability.

AVAILABLE SIZES

The uncemented Korus stem is available, in versions with 135° and 125° CCD angles, with or without collar, in 11 sizes



COATING and MATERIAL

Uncemented Korus stem is made of titanium alloy Ti6Al4V grade 5 ELI (ISO 5832/3).

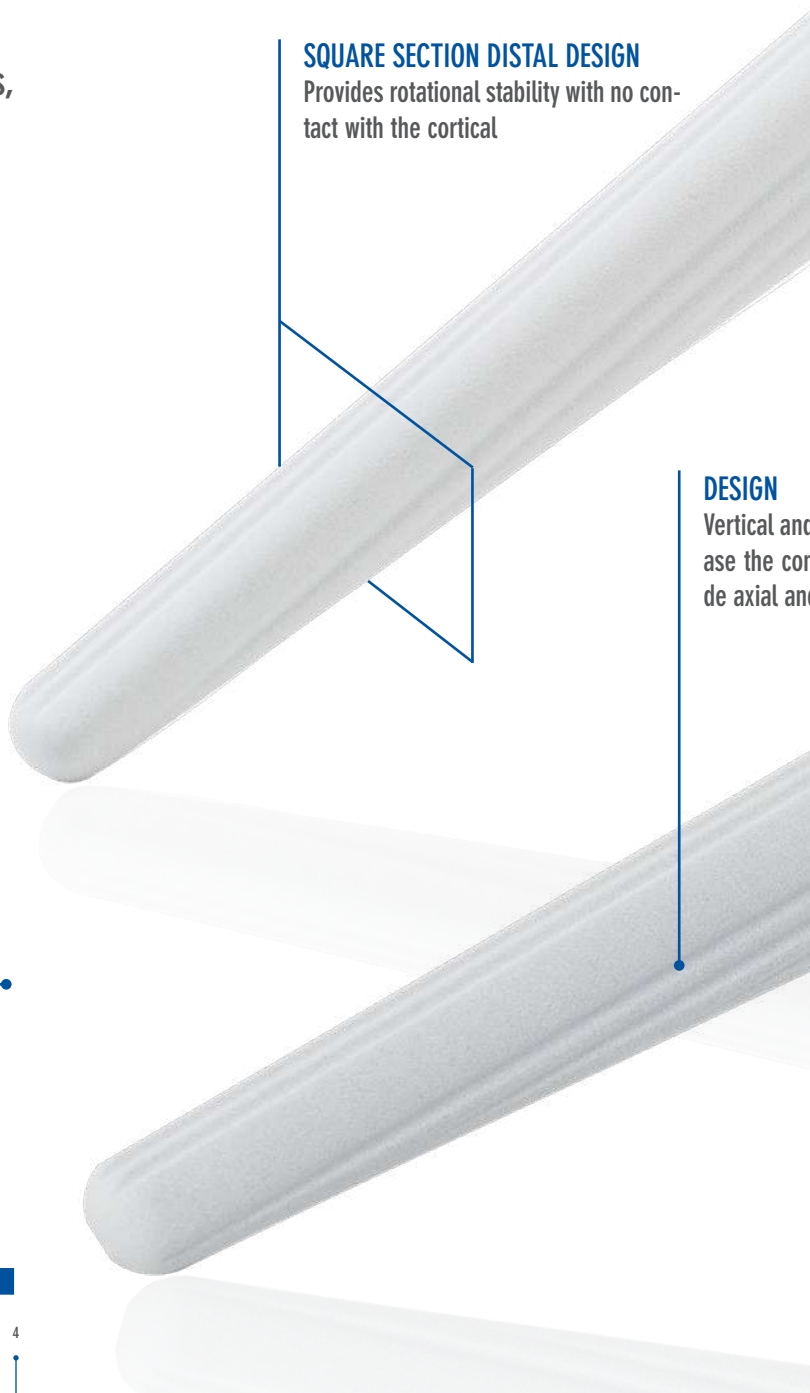
Coating: external hydroxyapatite coating

SQUARE SECTION DISTAL DESIGN

Provides rotational stability with no contact with the cortical

DESIGN

Vertical and horizontal grooves increase the contact area and reduce axial movement



STEP GEOMETRY

Promotes better grip
Converts torsional stresses into compressive loads.

COLLAR

Increases rotational stability
Provides additional axial support
Allows you to ensure optimal load transfer to the limestone
The size of the collar increases with increasing size

Horizontal grooves to increase contact surface area and provide rotational stability

LOW PROFILE

The low profile of the lateral shoulder allows for easy insertion and reduced incision

PROXIMAL TRAPEZOID SECTION

Resists axial torsional stresses and facilitates osseointegration.

IMPROVED NECK GEOMETRY

- Improve joint flexibility
- Increase the ROM
- 135° and 125° CCD angle
- Mirror finishing

See the operating technique for available sizes

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KORUS

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CEMENTED KORUS

The cemented Korus stem is available, in versions with 135° and 125° CCD angles, in 11 sizes

LOW TROCANTERIC INVASIVITY

Easy insertion and reduced incision, especially in the case of an anterior approach

MATERIAL

Korus Cemented Stem is made of High Nitrogen Stainless Steel (ISO 5832-9).
Finish: mirror finish to minimize abrasion on the concrete



LOW PROFILE

The low profile of the lateral shoulder allows for easy insertion and reduced incision

AVAILABLE SIZES

The cemented Korus stem is available, in versions with 135° and 125° CCD angles in 11 sizes

DISTAL CENTRALIZER

PMMA and / or Polyethylene (UHMWPE, ISO 5834/2)

WEDGE DIAPHYSARY SHAPE

It guarantees excellent rotational stability

It facilitates the insertion of the stem and allows to reduce the stresses acting on the concrete mantle

KORUS

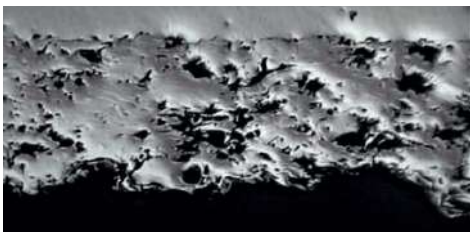
S Y S T E M

KORUS TITAN

The Korus Titan stem, in the versions with 135° and 125° CCD angles, is coated in the metaphyseal area with a layer of Titanium Y367 APS with a thickness of $300 \pm 75\mu\text{m}$.

AVAILABLE SIZES

The Korus Titan stem is available, in versions with 135° and 125° CCD angles, in 11 sizes



COATING and MATERIAL

The Korus Titan stem is made of Ti6Al4V grade 5 ELI (ISO 5832/3) titanium alloy. Metaphyseal area finish in Porous Titanium Plasma Spray: Titanium Y367 APS

DISTAL SECTION
Glass bead treatment

SQUARE SECTION DISTAL DESIGN
Provides rotational stability with no contact with the cortical



PROXIMAL TRAPEZOID SECTION

Resists axial torsional stresses and facilitates osseointegration.

IMPROVED NECK GEOMETRY

- Improve joint flexibility
- Increase the ROM
- 135° and 125° CCD angle
- Mirror finishing

STEP GEOMETRY

Promotes better grip
Converts torsional stresses into compressive loads.

KORUS

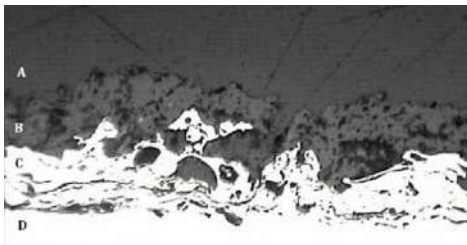
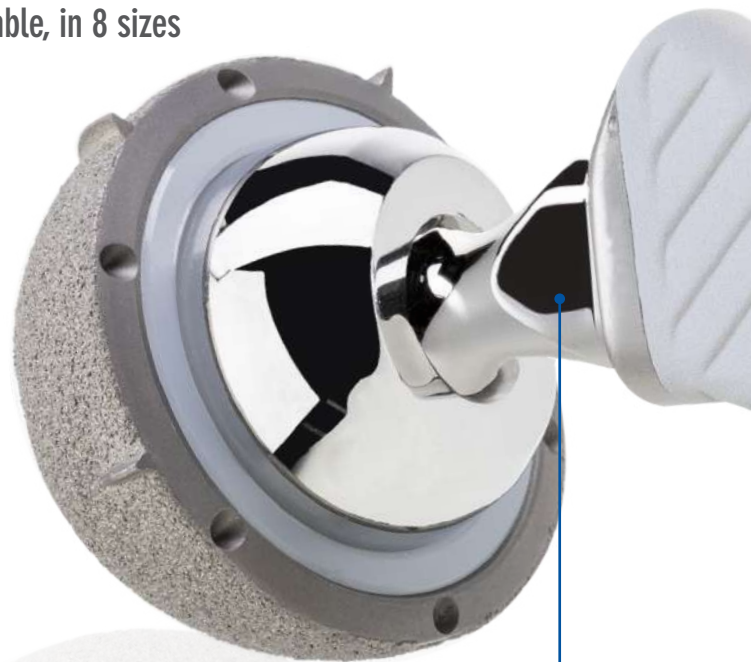
S Y S T E M

MODULAR KORUS

The Modular uncemented Korus stem is coated with a layer of Hydroxyapatite OSPROVIT® (HA) with a thickness of $100 \pm 20\mu\text{m}$.

AVAILABLE SIZES

The Modular uncemented Korus stem is available, in 8 sizes



MODULAR NECKS

14 interchangeable necks to meet the patient's real needs
Two modular neck lengths available.

COATING and MATERIAL

Uncemented Korus stem is made of titanium alloy Ti6Al4V grade 5 ELI (ISO 5832/3). Coating: external hydroxyapatite coating

Necks: CrCo alloy (ISO 5832-12)

LOW PROFILE

The low profile of the lateral shoulder allows for easy insertion and reduced incision

STEP GEOMETRY

Promotes better grip
Converts torsional stresses into compressive loads.

DESIGN

Vertical and horizontal grooves to increase the contact surface area and provide axial and rotational stability

REF.	SIZE	RIGHT	LEFT
120420051*	SHORT	ANTE 5°/VALGUS 6° - RETRO 5°/VARUS 6°	ANTE 5°/VARUS 6° - RETRO 5°/VALGUS 6°
120420052*	LONG	ANTE 5°/VALGUS 6° - RETRO 5°/VARUS 6°	ANTE 5°/VARUS 6° - RETRO 5°/VALGUS 6°
120420061*	SHORT	ANTE 5°/VARUS 6° - RETRO 5°/VALGUS 6°	ANTE 5°/VALGUS 6° - RETRO 5°/VARUS 6°
120420062*	LONG	ANTE 5°/VARUS 6° - RETRO 5°/VALGUS 6°	ANTE 5°/VALGUS 6° - RETRO 5°/VARUS 6°

REF.	SIZE	TYPE
120420001*	SHORT	STANDARD
120420002*	LONG	STANDARD
120420011*	SHORT	VARUS/VALGUS 8°
120420012*	LONG	VARUS/VALGUS 8°
120420021*	SHORT	VARUS/VALGUS 15°
120420022*	LONG	VARUS/VALGUS 15°
120420031*	SHORT	ANTE/RETRO 8°
120420032*	LONG	ANTE/RETRO 8°
120420041*	SHORT	ANTE/RETRO 14°
120420042*	LONG	ANTE/RETRO 14°

Web site

Use the QR-Code to visit Gruppo Bioimpianti website



IFU

Use the QR-Code to view complete product informations, including instructions for use, indications and contraindications, precautions and warnings



Operating Technique

Use the QR-Code to view the surgical technique, product codes and available sizes



This document is exclusively intended for medical professionals, especially physicians and surgeons.

This document does not constitute medical advice, it does not dispense medical recommendations and it does not convey any diagnostic or therapeutic information.

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