



GRUPPO  
BIOIMPIANTI

*Enjoy Mobility*



# K-MOD<sup>TM</sup> CCK<sup>REV</sup>

KNEE-MODULAR REVISION

PRODUCT INFO



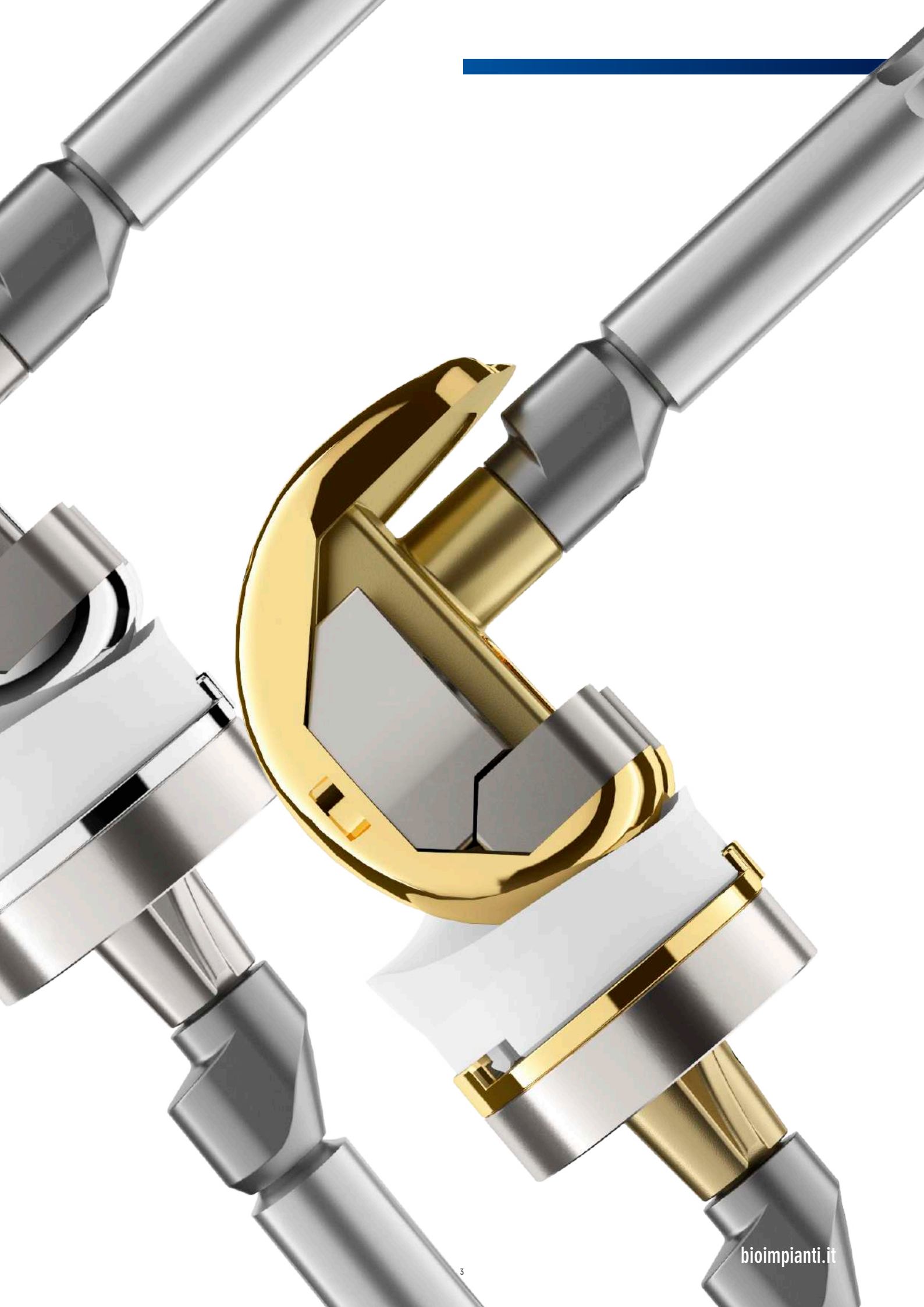
K-MOD REV CCK knee revision system is designed for primary and revision total knee arthroplasty in case of instability or collateral ligaments with inadequate functionality.

The K-MOD REV CCK system is fully compatible and modular with the K-MOD REV BOXLESS system: the goal is, in fact, to be able to make it more effective revision surgeries and being able to adapt to different anatomical situations and needs of the surgeon, even in cases of damaged collateral ligaments.

K-MOD REV CCK prosthesis shares with K-MOD REV:

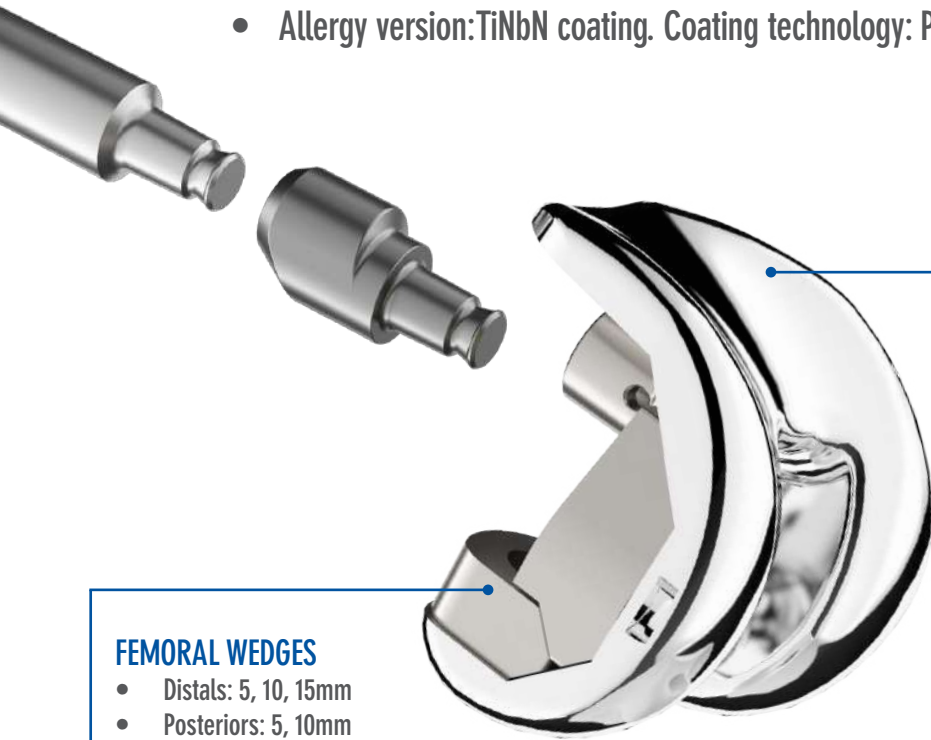
- Tibial component
- Patellar component
- Tibial and femoral stems
- Tibial and femoral offset modules
- Femoral (distal and posterior) and tibial wedges





### Materials :

- Femoral and tibial component: CoCrMo alloy
- Stems, offset modules, wedges: Ti6Al4V alloy
- Inserts and patella: UHMWPE, ethylene oxide sterilization (EtO)
- Allergy version: TiNbN coating. Coating technology: PVD (Physical Vapor Deposition)



### FEMORAL WEDGES

- Distals: 5, 10, 15mm
- Posteriors: 5, 10mm
- Designed to reconstruct the correct anterior-posterior dimension of the femoral component and to restore the original joint line

### FEMUR

- 6 anatomical sizes (R/L)
- **DOUBLE RADIUS:** the first acts in extension and up to 30° of flexion; the second and smaller ray act up to 90° of flexion.
- **NOTCHING REDUCTION:** the front part of the femoral component has an inclination of 4° which, allows for compression of the PMMA and minimizes the risk of notching.
- **REDUCED STRESS ON THE PATELLAR TENDON:** a groove, characterized by an angle of 6° designed to best follow the movement of the patella during the entire range of motion.



### INSERT

- 6 sizes
- 7 thicknesses
- Internal and external rotation: +/- 3°
- Varus/Valgus Constraint: +/- 2°
- **ROUNDED CAM:** it facilitates the natural kinematics of the knee without stress and wear the post
- **HYPEREXTENSION:** the system allows over 5° of hyperextension before post/cam contact
- **JUMP HEIGHT:** CCK inserts have an increased height compared to posterior stability (PS) ones, in order to reduce the possibility for femoral anterior dislocation. According to the measure, the Jump Height varies from 18 to almost 21mm





## STEMS

- A single model for femur and tibia for K-MOD REV CCK and K-MOD REV BOXLESS
- Eleven diameters: from 10 to 20mm (1mm increment)
- Lengths: 60, 100, 140mm
- 140mm stems with diapason end

## TIBIA

- In common with K-MOD REV BOXLESS
- 6 simmetrical sizes
- Fixed bearing
- With holes for: wedges and cortical screws

## WEDGES

- Medials and laterals
- Simmetrics: 5, 10mm
- Anatomic: 15mm

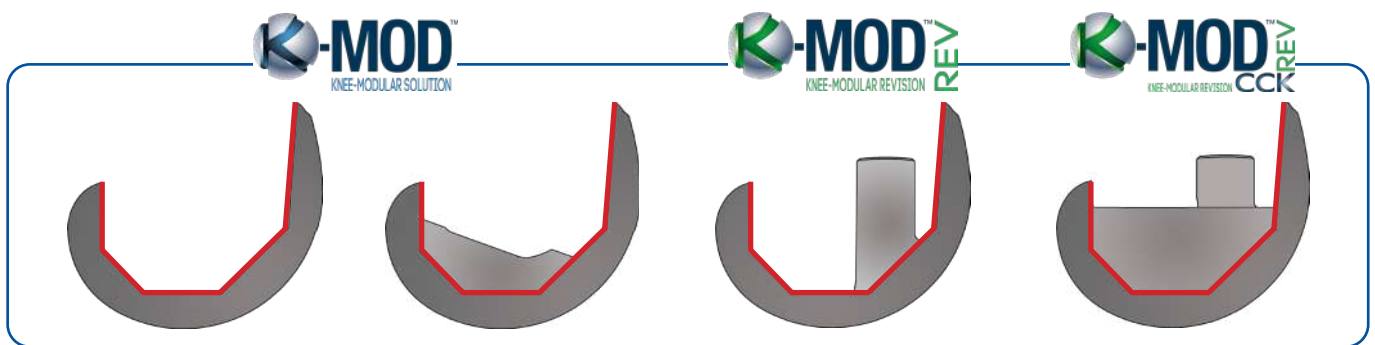
## OFFSET MODULE

- A single model for femur and tibia for K-MOD REV CCK and K-MOD REV BOXLESS
- Off-set modules: 3, 6mm
- Direct insertion: 0mm



**COMPLETE MODULARITY:** K-MOD REV CCK modularity with K-MOD REV BOXLESS allows to intraoperatively choose the most appropriate degree of constraint for the individual patient:

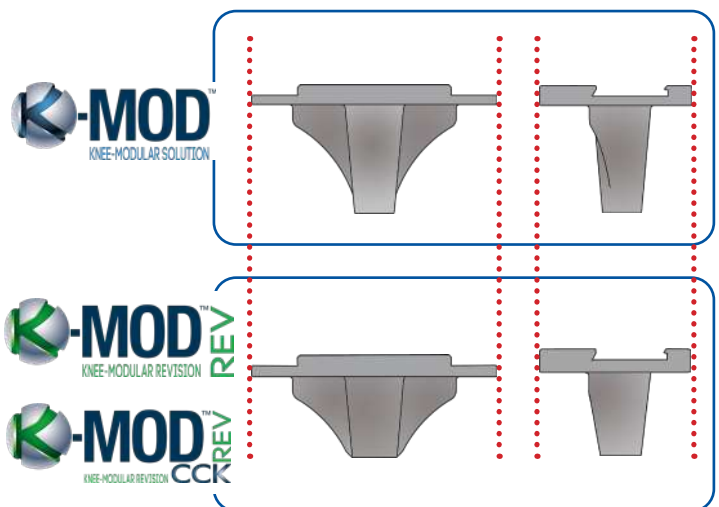
- ANTERIOR AND POSTERIOR STABILIZATION using UltraCongruent UC inserts and Dynamic Congruence DC inserts with BOXLESS femur or PS posterior stability inserts with CCK femur.
- CONSTRICTION IN VARUS/VALGUS and in FEMOROTIBIAL ROTATION using CCK inserts combined with CCK femur.



The primary prosthesis system **K-MOD System** and the revision prosthesis system **K-MOD REV CCK** e **K-MOD REV BOXLESS** share:

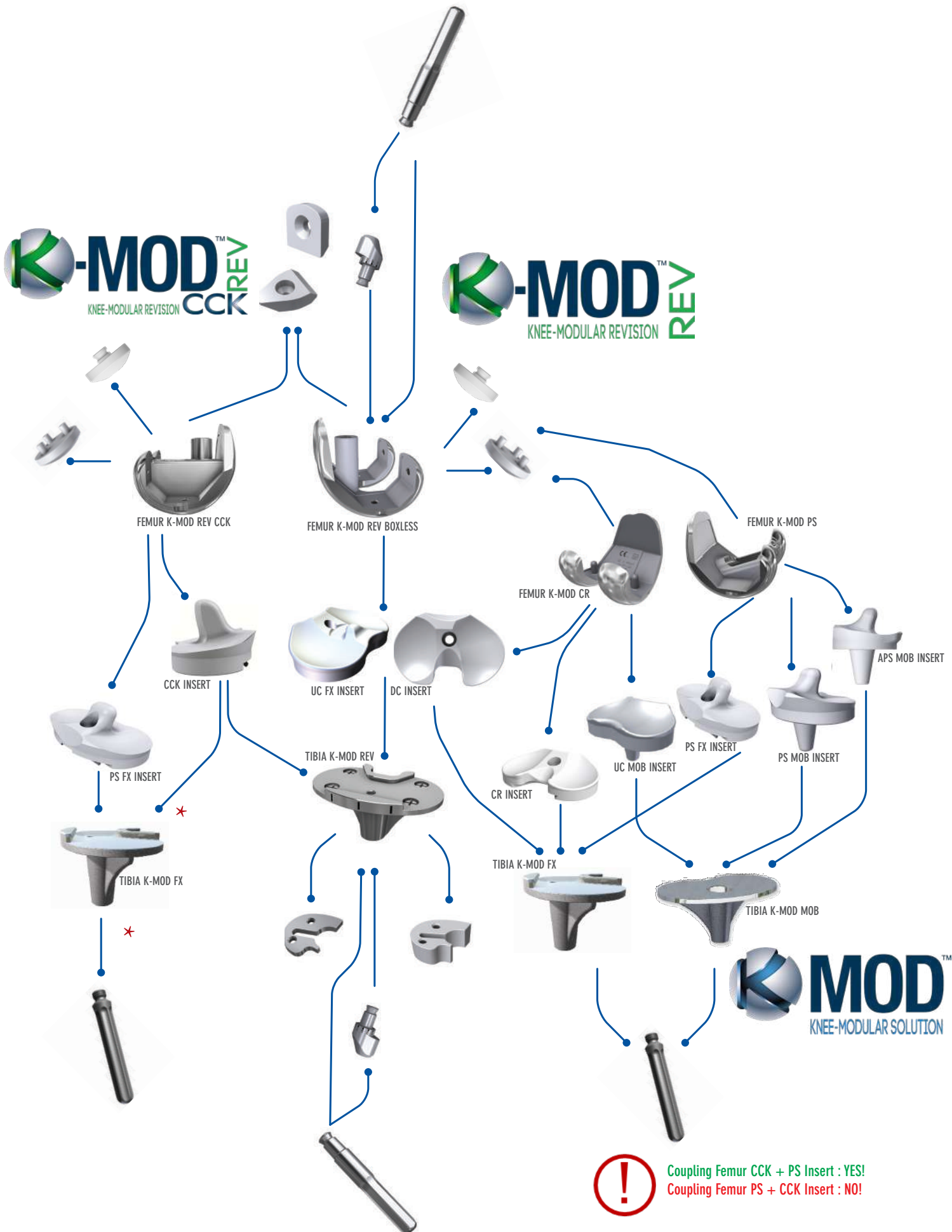
- same femoral profile
- same tibial and femoral dimensions in ML and AP

to guarantee maximum MODULARITY between the two systems.



**K-MOD™**  
KNEE-MODULAR REVISION **CCKREV**

**K-MOD™**  
KNEE-MODULAR REVISION **REV**



\*In case of CCK femur + K-MOD primary tibia: use a K-MOD tibial stem

Consult the operating technique for available sizes

[bioimpianti.it](http://bioimpianti.it)

## 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



KMDDRECCK-IP-001-REV 00 2023



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.

Informations and techniques presented in this document were compiled by a team of medical experts and Gruppo Bioimpianti's specialists; however Gruppo Bioimpianti excludes any liability for improper use of informations.

For any information or enquires about this publication or anything else, contact GRUPPO BIOIMPIANTI.



*Enjoy Mobility*

**GRUPPO BIOIMPIANTI S.R.L.**

Via Liguria 28, 20068 Peschiera Borromeo (Milan) Italy

Tel. +39 02 51650371 - Fax +39 02 51650393

info@bioimpianti.it

**bioimpianti.it**