

SKM Hip Stem System

Product Catalog



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“Movement is Life”

BIOTECH SKM – Short Anatomical Hip Stem

The **BIOTECH SKM – Short Anatomical Hip Stem** system represents a new generation of bone-saving treatment option for primary hip implantations, which were especially designed for Minimally Invasive surgery to preserve valuable muscles and bones structures, when cemented or uncemented primary hip replacement is indicated.

- i** One of the key advantages of the **SKM Stem** is that it ideally facilitates the **Minimally Invasive operation technique**.
- i** With its unique **anatomical design** and the wide range of available left and right sizes, the **SKM Stem** allows it to obtain initial fixation and stability and it covers a wide spectrum of indications in the hip replacement surgeries.
- i** The small sizes are suitable for the treatment of children, and they offer an **excellent solution for dysplasia cases** as well.
- i** The **SKM Stem** system is perfectly compatible with the standard cemented and uncemented cup systems and modular heads of the BIOTECH BA Total Hip system, which also perfectly cover the widest range of indications, including the treatment of children and dysplasia cases, with the suitable sizes of uncemented press-fit cups (40 – 42 mm) and modular heads (22 mm)

Stem sizes are available in wide range of left and right sizes, in both, cemented CoCr and uncemented CoCr version with titanium porous coating.

The uncemented **SKM Stem**, with the unique properties of the well-proven plasma sprayed titanium coating, achieves a strong biological secondary fixation, to promote a rapid and pain-free functional recovery. This type of "closed-pore" coating has no inter-connective spaces, a pore size ranging between 75-350 micron, thickness of 500 micron and approximately 30% porosity. By sealing off the femur for transport of fluids and debris particles, known for its negative effect on implant survival due to osteolysis, long term fixation concern has been addressed. Since only the titanium powder is heated during the spraying process, the high mechanical properties of the forged implant itself are maintained. The excellent biocompatibility of titanium will generate a strong bone response, resulting in a proper implant fixation. The controlled oversize provides excellent initial stability (scratch fit), allowing for rapid full weight bearing post-operatively.

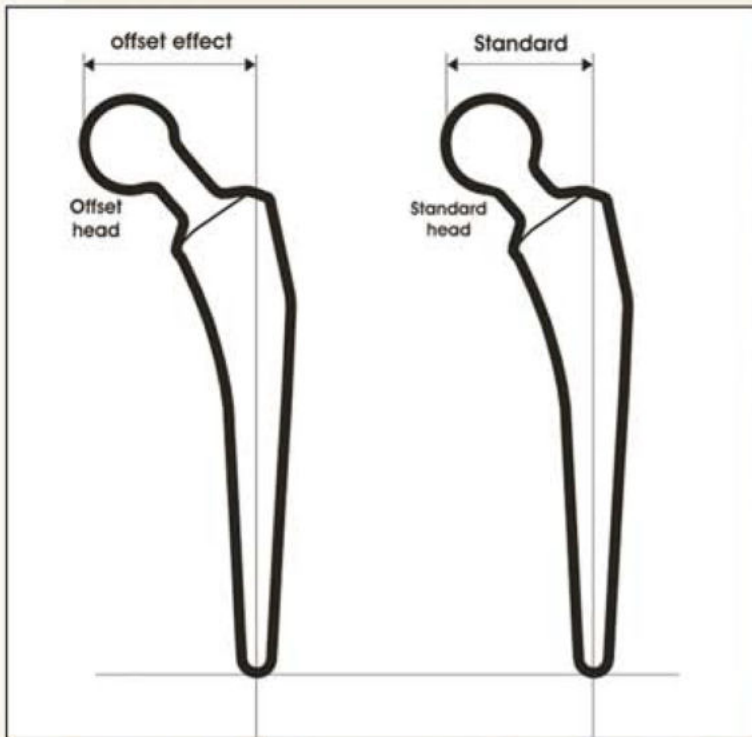
Optionally: Hydroxiapatit coated version is also available.

The **SKM Stem** system can be implanted with Minimally Invasive instrumentation set.

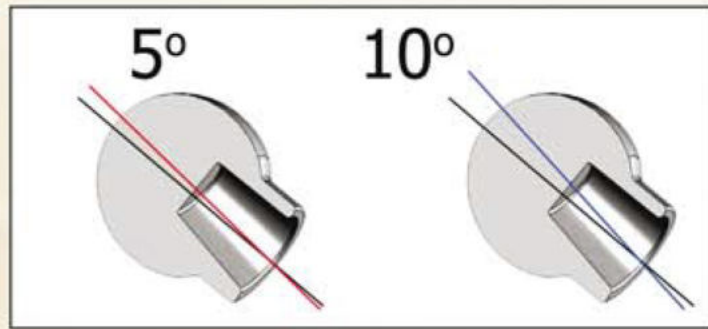


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Offset solution - by 5° and 10° offset heads



Theory of the offset solution



Offset heads - CoCr * DIN EN ISO 5832-4 (12/14)

diameter: 28mm

S offset 5°	019-1111-2800
M offset 5°	019-1112-2800
L offset 5°	019-1113-2800
XL offset 5°	019-1114-2800
XXL offset 5°	019-1115-2800

diameter: 28mm

S offset 10°	018-1111-2800
M offset 10°	018-1112-2800
L offset 10°	018-1113-2800
XL offset 10°	018-1114-2800
XXL offset 10°	018-1115-2800

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* optional



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**Metal Modular heads – CoCr
DIN EN ISO 5832-4 (12/14)**

diameter: 22,2mm

S Ø22	016-1111-2225
M Ø22	016-1112-2225
L Ø22	016-1113-2225
XL Ø22	016-1114-2225
XXL Ø22	016-1115-2225

diameter: 26mm

S Ø26	016-1111-2600
M Ø26	016-1112-2600
L Ø26	016-1113-2600
XL Ø26	016-1114-2600
XXL Ø26	016-1115-2600

diameter: 28mm

S Ø28	016-1111-2800
M Ø28	016-1112-2800
L Ø28	016-1113-2800
XL Ø28	016-1114-2800
XXL Ø28	016-1115-2800
*XXXL Ø28	016-1116-2800
*XXXXL Ø28	016-1117-2800

diameter: 32mm

S Ø32	016-1111-3200
M Ø32	016-1112-3200
L Ø32	016-1113-3200
XL Ø32	016-1114-3200
XXL Ø32	016-1115-3200

**Offset heads - CoCr *
DIN EN ISO 5832-4 (12/14)**

diameter: 28mm

S Ø28, offset 5°	019-1111-2800
M Ø28, offset 5°	019-1112-2800
L Ø28, offset 5°	019-1113-2800
XL Ø28, offset 5°	019-1114-2800
XXL Ø28, offset 5°	019-1115-2800

diameter: 28mm

S Ø28, offset 10°	018-1111-2800
M Ø28, offset 10°	018-1112-2800
L Ø28, offset 10°	018-1113-2800
XL Ø28, offset 10°	018-1114-2800
XXL Ø28, offset 10°	018-1115-2800

**Ceramic Modular heads *
– Al2O3 (12/14)**

diameter: 28mm

S Ø28	016-1311-2800
M Ø28	016-1312-2800
L Ø28	016-1313-2800

* - optional



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