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ORTHOPAEDICS

CONES

Unicondylar Knee



**PRODUCT
INFORMATION**



FEMORAL COMPONENT



4 Femoral sizes

Made of Cobalt Chrome alloy, it is available in cemented and cementless **HaX-Pore®** coated option. Also with **BIOLOY®** ultrahard coating.

HaX-Pore
HaX-Pore

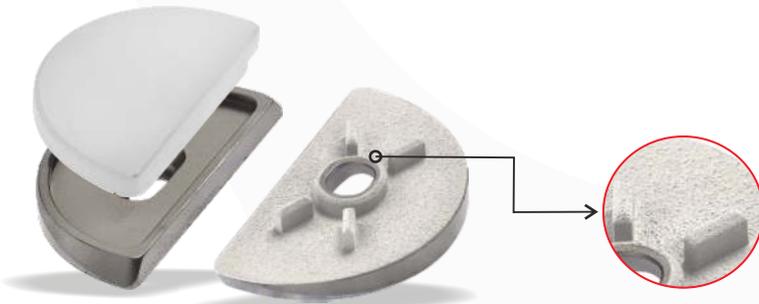
porous coated surface with 250µm of pure Titanium and 60µm of Hydroxyapatite, applied with plasma-spray technique guarantees optimal primary stability and promote osteoblasts colonization for an optimal biological fixation.



The curvature of the femoral design is accomplished via two weight bearing arches with distinct centers: a wide ranged anterior arch, and a small ranged posterior arch.

Primary stability relies upon anchorage into the bone effectuated by a central cylindrical peg and a sagittal wing. The bone contact surface is elaborated in order to obtain uniform bone cement distribution and better positioning.

Metal Back TIBIA PRESS-FIT



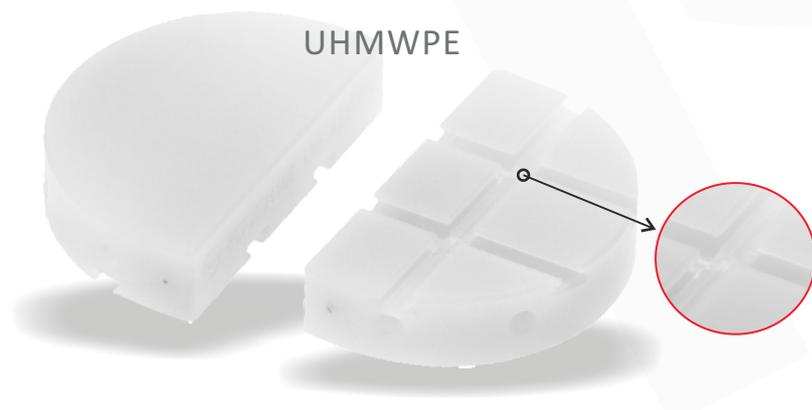
6 Tibial sizes

The Metal-Backed Tibial Component is available only in cementless version (cemented upon request). It consist in a Titanium alloy hemiplate where the UHMWPE liner lodges by snap-in insertion.

The bone contact surface presents **HaX-Pore®** coating and 4 crossed wings displaced around the hole for the stabilizing screw.

The UHMWPE joint liners are available in 4 thicknesses.

All Poly TIBIA CEMENTED



6 Tibial sizes

The "ALL-POLY" tibial component has a completely flat surface upon which the femoral component can freely move controlled by the ligaments apparatus. It is available in 5 thicknesses in UHMWPE.

The inferior surface of the tibial plate has a special grooving to improve the cement grip and the stability of the implant.

GKS ONE - Femoral Components

Class III



SIZE	MICROLOY® Plus Cemented	MICROLOY® HaX-Pore®	BIOLOY® Cemented
	Reference	Reference	Reference
SMALL	59061	59021	59001
MEDIUM	59062	59022	59002
MEDIUM PLUS	59064	59024	59004
LARGE	59063	59023	59003

GKS ONE - Metal Back TIBIA

Class III

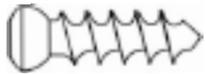


SIZE	Cemented	HaX-Pore®
	Reference	Reference
38	59101	59138
41	59102	59141
44	59103	59144
48	59104	59148
52	59105	59152
56	59106	59156

Available on request

Screws for Metal-Back TIBIA

Class IIb



Length	20mm	25mm	30mm	35mm	40mm	45mm
Reference	59110	59111	59112	59113	59114	59115

A Color Code helps in easy identification of the correct Metal-Back/Liner coupling.

GKS ONE - Inserts for Metal-Back TIBIA

Class III



SIZE	38	41	44	48	52	56
	UHMWPE	UHMWPE	UHMWPE	UHMWPE	UHMWPE	UHMWPE
Thickness						
9mm	59070	59074	59078	59082	59086	59090
11mm	59071	59075	59079	59083	59087	59091
13mm	59072	59076	59080	59084	59088	59092
15mm	59073	59077	59081	59085	59089	59093

GKS ONE - ALL-POLY TIBIA

Class III

VITAL-E® Tibial components are available ON REQUEST



SIZE	38	41	44	48	52	56
	UHMWPE	UHMWPE	UHMWPE	UHMWPE	UHMWPE	UHMWPE
Thickness						
9mm	59209	59309	59409	59509	59609	59709
10mm	59210	59310	59410	59510	59610	59710
12mm	59212	59312	59412	59512	59612	59712
14mm	59214	59314	59414	59514	59614	59714
16mm	59216	59316	59416	59516	59616	59716

Information

INTENDED PURPOSE:

GKS ONE is a unicondylar knee prosthesis for use in Unicondylar Knee Replacement procedures. Indicated for primary unicondylar knee arthroplasties in cases of advanced degree osteo-cartilaginous degeneration limited to a single condyle (medial or lateral) of the knee, where complete functional stability of the ligaments is provided. The axial deviations (varus/valgus) involving the joint should not be hypercorrectable and the "drawer test" should be negative, thus excluding ligamentous laxities.

Fixation of the components to the bone can be achieved by using bone cement or not, depending upon the version utilized.

MATERIALS:

Femoral Component: Cobalt Chromium Molybdenum alloy - ISO5832/4;

Metal-Back TIBIA/Screws: Titanium Aluminium Vanadium alloy - ISO5832/3;

Liners/All-Poly TIBIA: Ultra High Molecular Weight Polyethylene (UHMWPE) without Calcium Stearate - ISO5834/1/2.

SURFACE FINISHING:

Femoral Component: **MICROLOY®** finished articulating surface, roughness in compliance with ISO 7207-2 Standards. **BIOLOY®** femoral components presents a Titanium-Niobium-Nitride (TiNbN) coating.

Bone-Implant surface is pelleted in the cemented version; the cementless version has an **HaX-Pore®** plasma sprayed coating with 250µm of pure Titanium + 60µm Hydroxyapatite Ca₁₀(OH)₂(PO₄)₆

STERILIZATION:

Method: Ethylene Oxide (EtO) or irradiation (Beta/Gamma rays - minimum dose 25 kGy) or Vaporized Hydrogen Peroxide (VH2O2).

Validity: 5 years (Beta sterilized products)- 10 years (EtO/Gamma/VH2O2 sterilized products).

CLASSIFICATION:

Class III or IIb 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.



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