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*ORTHOPAEDICS*

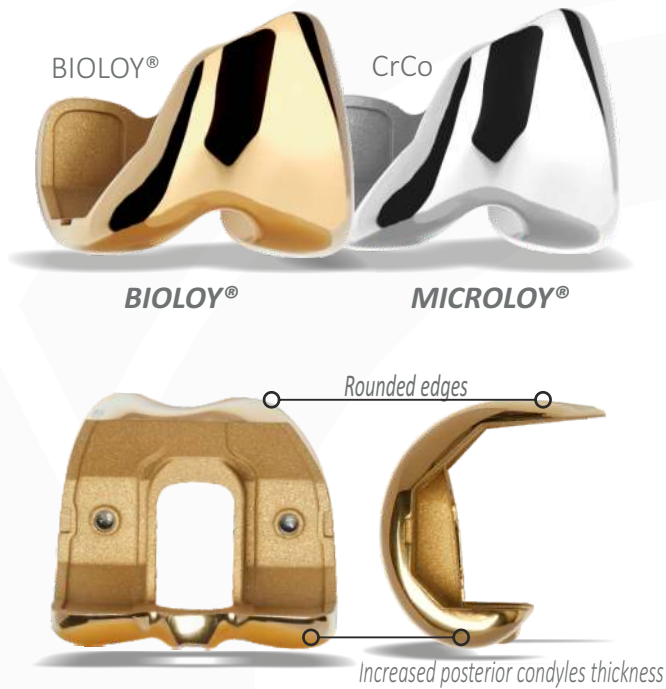


**PRIME FLEX PS**  
**FIXED BEARING**  
*Posterior Stabilized*

**PRODUCT  
INFORMATION**



## FEMORAL COMPONENT



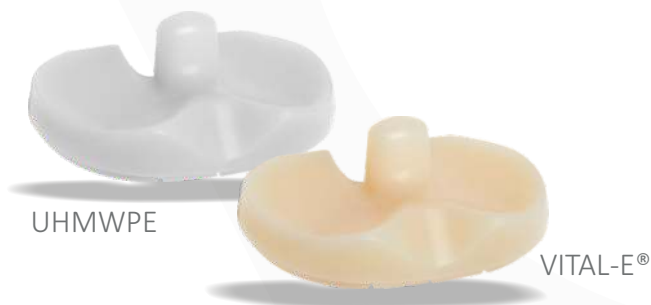
## 10 Femoral sizes

Manufactured in Cobalt-Chrome alloy, available in both **MICROLOY®** and **BIOLOY®** ultrahard finishing surface versions.

The femoral component is designed to spare bone thanks to the reduced thickness and size increments (2mm) in addition to the minimal dimension of the intercondylar box (open bottom) and the absence of femoral pegs.

Special attention has been given in the posterior stabilizing mechanism design, in order to allow a "soft" contact and reduce the solicitations between the Post of the joint liner and the Cam of the femoral component.

## JOINT LINER



## 9 Thicknesses

Manufactured with Ultra high molecular weight polyethylene is also available in **VITAL-E®** version (UHMW polyethylene added with antioxidant Vitamin E).

It is designed to allow a wide Femur/Tibia pairing guaranteeing for each femoral size the coupling with 6 tibial sizes.

Each size of insert fit with 2 sizes of Tibial Plate and is available in 9 thicknesses

Colour coding for correct coupling of the liner with Femoral and Tibial components.

## TIBIA TOP



## 10 Implant sizes

The **TOP** Tibial component is manufactured in Titanium alloy, available in cemented and cementless **HaX-Pore®** coated option. It is characterized by a symmetric baseplate providing a conical central core with flanged keel for metaphyseal anchorage which opposes the anterior-posterior tilting movement and torque forces. The distal end can be equipped with a conical Extension Stem.

It is available in 10 sizes divided in 5 couples, each one accepting one size of joint liner.

## GKS PRIME FLEX -PS Femoral Component




SIZE	Side	Cemented	BIOLOY® Cemented
		Reference	Reference
4	RIGHT	54301	54351
	LEFT	54302	54352
5	RIGHT	54303	54353
	LEFT	54304	54354
6	RIGHT	54305	54355
	LEFT	54306	54356
7	RIGHT	54307	54357
	LEFT	54308	54358
8	RIGHT	54309	54359
	LEFT	54310	54360
9	RIGHT	54311	54361
	LEFT	54312	54362
10	RIGHT	54313	54363
	LEFT	54314	54364
11	RIGHT	54315	54365
	LEFT	54316	54366
12	RIGHT	54317	54367
	LEFT	54318	54368
13	RIGHT	54319*	54369*
	LEFT	54320*	54370*

## GKS PRIME FLEX - Tibia TOP

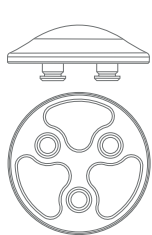


SIZE	Cemented	HaX-Pore®
	Reference	Reference
XS	54471	54491
A	54472	54492
B	54473	54493
C	54474	54494
D	54475	54495
E	54476	54496
F	54477	54497
G	54478	54498
H	54479*	54499*
I	54480*	54500*

## GKS PRIME FLEX - Tibial Extensions

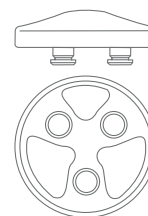
Nickel Free	SIZE	Reference
		40x8mm
	40x10mm	54202

## GKS - Patella WING



SIZE	UHMWPE VITAL-E®	
	Reference	Reference
28mm	53128	53128E
30mm	53130	53130E
32mm	53132	53132E
34mm	53134	53134E
36mm	53136	53136E
38mm	53138	53138E

## GKS PRIME FLEX - Patella



SIZE	UHMWPE	
	Reference	Reference
28mm	53028	
30mm	53030	
32mm	53032	
34mm	53034	
36mm	53036	
38mm	53038	

## Information

**INTENDED PURPOSE:** GKS PRIME FLEX PS is a three-compartmental posterior stabilized knee prosthesis to be used in Total Knee Replacement procedures. Indicated for primary Total Knee Arthroplasties in cases of advanced osteo-cartilagineous degeneration of the knee joint mainly due to arthrosis, rheumatoid arthritis, post-traumatic factors, and outcomes of corrective osteotomies. Anchorage of the device to the bone may be cementless or cemented, depending upon the selected version.

**MATERIALS:**

**FEMORAL COMPONENT:** Cobalt Chromium Molybdenum alloy - ISO5832/4;

**TIBIA/EXTENSIONS:** Titanium Aluminium Vanadium alloy - ISO5832/3;

**JOINT LINER / PATELLA:** UHMW PolyEthylene without Calcium Stearate - ISO5834/1/2; also available in **VITAL-E®** option, added with Vitamin E.

**SURFACE FINISHING:**

**Articular surface (Femur):** achieved through the **MICROLOY®** technological process. **BIOLOY®** version with TiN coating. Roughness is in compliance with ISO 7207-2 Standards.

**Bone-Implant surface:**

- **Cemented version:** pelleted surface with depressions for even acrylic cement spreading;

- **Cementless version (Tibia):** **HaX-Pore®** coating (300µm pure Titanium + 60µm Hydroxyapatite Ca<sub>10</sub>(OH)<sub>2</sub>(PO<sub>4</sub>)<sub>6</sub>)

**STERILIZATION:**

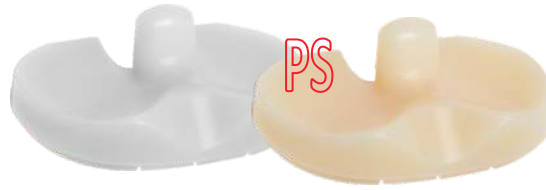
**Method:** Ethylene Oxide (EtO) or irradiation (Beta/Gamma rays - minimum dose 25 kGy) or Vaporized Hydrogen Peroxide (VH2O2).

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

**CLASSIFICATION:** Class III 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.

**GKS PRIME FLEX - PS Inserts**

Refer to the **COLOR CODE** reported on the products label for the correct coupling between the components.



		UHMWPE	VITAL-E®
SIZE	Thickness	Reference	Reference
<b>4-6</b> <b>XS-A</b>	9mm	54546	54546E
	10mm	54501	54501E
	11mm	54547	54547E
	12mm	54502	54502E
	13mm	54548*	54548E*
	14mm	54503	54503E
	15mm	54549*	54549E*
	20mm	54505	54505E
<b>4-6</b> <b>B-C</b>	9mm	54550	54550E
	10mm	54506	54506E
	11mm	54551	54551E
	12mm	54507	54507E
	13mm	54552*	54552E*
	14mm	54508	54508E
	15mm	54553*	54553E*
	20mm	54510	54510E
<b>4-6</b> <b>D-E</b>	9mm	54554	54554E
	10mm	54511	54511E
	11mm	54555	54555E
	12mm	54512	54512E
	13mm	54556*	54556E*
	14mm	54513	54513E
	15mm	54557*	54557E*
	20mm	54514	54514E
	20mm	54515	54515E

		UHMWPE	VITAL-E®
SIZE	Thickness	Reference	Reference
<b>7-10</b> <b>B-C</b>	9mm	54588	54588E
	10mm	54516	54516E
	11mm	54589	54589E
	12mm	54517	54517E
	13mm	54590*	54590E*
	14mm	54518	54518E
	15mm	54591*	54591E*
	20mm	54520	54520E
<b>7-10</b> <b>D-E</b>	9mm	54592	54592E
	10mm	54521	54521E
	11mm	54593	54593E
	12mm	54522	54522E
	13mm	54594*	54594E*
	14mm	54523	54523E
	15mm	54595*	54595E*
	20mm	54524	54524E
<b>7-10</b> <b>F-G</b>	9mm	54596	54596E
	10mm	54526	54526E
	11mm	54597	54597E
	12mm	54527	54527E
	13mm	54598*	54598E*
	14mm	54528	54528E
	15mm	54599*	54599E*
	20mm	54529	54529E
	20mm	54530	54530E

		UHMWPE	VITAL-E®
SIZE	Thickness	Reference	Reference
<b>11-13</b> <b>D-E</b>	9mm	54600	54600E
	10mm	54531	54531E
	11mm	54601	54601E
	12mm	54532	54532E
	13mm	54602*	54602E*
	14mm	54533	54533E
	15mm	54603*	54603E*
	20mm	54535	54535E
<b>11-13</b> <b>F-G</b>	9mm	54604	54604E
	10mm	54536	54536E
	11mm	54605	54605E
	12mm	54537	54537E
	13mm	54606*	54606E*
	14mm	54538	54538E
	15mm	54607*	54607E*
	20mm	54539	54539E
<b>11-13</b> <b>H-I</b>	9mm	54626	54626E
	10mm	54541	54541E
	11mm	54627	54627E
	12mm	54542	54542E
	13mm	54628*	54628E*
	14mm	54543	54543E
	15mm	54629*	54629E*
	20mm	54544	54544E
	20mm	54545	54545E

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IN TECHNOLOGY**