



BUTTERFLY

Rotating Hinged
Knee

CE
0426


permedica
ORTHOPAEDICS

Semi-constrained Rotating Hinge Prosthesis

2 Implant versions



Anatomic Femoro-Tibial component in CrCo alloy, PRIMARY version without trochlear shield and REVISION version with trochlear shield for patella gliding. Both versions available also with BIOLOY® ultrahard antiallergic coating.

The rotating hinge constrains the stability on all planes allowing flexion-extension movement. The degree of rotation improves as the degree of flexion increases; rotation is not allowed with the leg fully extended.

In the ANTI-LUXATION model the Femoral bush is locked onto the Tibia by the Tibial Insert, thus avoiding the components luxation after reduction of the joint.

Modular intramedullary stems for cemented or cementless anchoring, available in different lengths and diameters, with double locking system (screw and conical connection).

UHMWPE distal centralizers for perfect centering of the stem into the diaphysis thus ensuring even distribution of the acrylic cement around the stem.

Total and partial augments, in different thicknesses, to be screwed to the inferior face of the tibial component.

Replaceable Polyethylene components can be easily exchanged in case of revision.

Information

INTENDED PURPOSE:

GKS BUTTERFLY is a tri-compartmental gliding knee prosthesis stabilized on all planes to be used in Total Knee Replacement surgeries. Use of the device is indicated in cases of revision due to failure of previous arthroplasties, correction of severe axial deviation in varus/valgus and/or severe joint instability. Fixation of the device onto the bone is achieved by means of bone cement; this can be total (using cemented intramedullary stems) as well as partial (using press-fit stems) whenever intramedullary cement filling is not desired.

MATERIALS:

FEMUR/TIBIA components: Cobalt Chromium alloy - ISO5832/4;
 CEMENTED STEMS: Cobalt Chromium forged alloy - ISO5832/12;
 TIBIAL AUGMENTS: PM734 highly Nitrogenized Stainless Steel forged alloy - ISO5832/9
 PRESS-FIT/BIOLOY STEMS - BIOLOY TIBIALAUGMENTS: Titanium Aluminium Vanadium alloy - ISO5832/3;
 INSERTS / PATELLA: UHMWPE without calcium stearate - ISO5834/1/2;

SURFACE FINISHING:

Articular surfaces: achieved through MICROLOY® process; roughness in compliance with ISO 7207-2.
 Bone/Prosthesis contact surface: pelleted with glass beads, with depressions for even acrylic bone cement spreading;

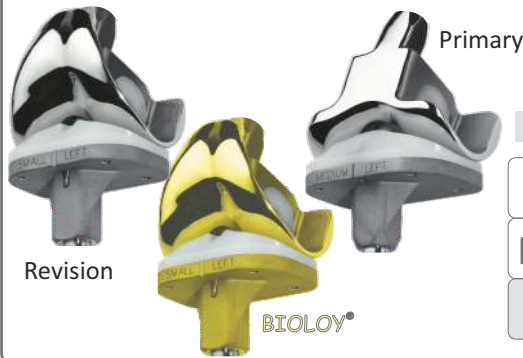
STERILIZATION:

Method: accelerated electron beam irradiation (b rays - nominal dose 25 kGy) in vacuum.
 Validità: 5 years

CLASSIFICATION:

Class III or Class 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 amendements.

GKS BUTTERFLY - Femoro-Tibial components



Size	Side	STANDARD		BIOLOY®		ANTILUXATION	
		PRIMARY	REVISION	PRIMARY	REVISION	PRIMARY	REVISION
Small	RIGHT	40601	40101	40701	40201	40901	40401
	LEFT	40602	40102	40702	40202	40902	40402
Medium	RIGHT	40603	40103	40703	40203	40903	40403
	LEFT	40604	40104	40704	40204	40904	40404
Large	RIGHT	40605	40105	40705	40205	40905	40405
	LEFT	40606	40106	40706	40206	40906	40406

GKS BUTTERFLY - Cemented Stems



Length	CrCo	TITANIUM NICKEL FREE	Centralizers	
	reference	reference	∅	reference
40 mm	41004	41520	12mm	42012
90 mm	41509	41521	15mm	42015
105 mm	41530	41524		
160 mm	41536	41525		

GKS BUTTERFLY - Press-fit Stems NICKEL FREE



Length	∅ 14mm	∅ 15mm	∅ 16mm	∅ 17mm	∅ 18mm
	reference	reference	reference	reference	reference
45 mm	42401	42501	42601	42701	42801
100 mm	42402	42502	42602	42702	42802
125 mm	42403	42503	42603	42703	42803
175 mm	42404	42504	42604	42704	42804

GKS BUTTERFLY - Total Tibial Augments



Thickness	PM734			TITANIUM NICKEL FREE		
	SMALL	MEDIUM	LARGE	SMALL	MEDIUM	LARGE
5mm	43301	43302	43303	43601	43602	43603
10mm	43401	43402	43403	43701	43702	43703
15mm	43501	43502	43503	43801	43802	43803

SCREWS for AUGMENTS

Length	reference
8mm	45008
23mm	45023

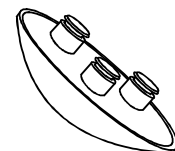
GKS BUTTERFLY - Hemi Tibial Augments



Thickness	PM734					
	Medial RIGHT - Lateral LEFT			Lateral RIGHT - Medial LEFT		
	SMALL	MEDIUM	LARGE	SMALL	MEDIUM	LARGE
10mm	44201	44203	44205	44202	44204	44206
15mm	44301	44303	44305	44302	44304	44306

Thickness	TITANIUM NICKEL FREE					
	Medial RIGHT - Lateral LEFT			Lateral RIGHT - Medial LEFT		
	SMALL	MEDIUM	LARGE	SMALL	MEDIUM	LARGE
10mm	44311	44313	44315	44312	44314	44316
15mm	44321	44323	44325	44322	44324	44326

GKS PRIME FLEX Patella



size ∅	reference
28mm	53028
30mm	53030
32mm	53032
34mm	53034
36mm	53036
38mm	53038

Spare parts

Femoral Bush Sleeve



Size	reference
SMALL	46908
MEDIUM	46909

UHMWPE Tibial Insert + Locking Screw



Side	SMALL	MEDIUM	LARGE
	reference	reference	reference
RIGHT	46901	46903	46905
LEFT	46902	46904	46906