



permedica
ORTHOPAEDICS

PRIME FLEX

MOBILE



**PRODUCT
INFORMATION**



0426

FEMORAL COMPONENT



10 Femoral sizes

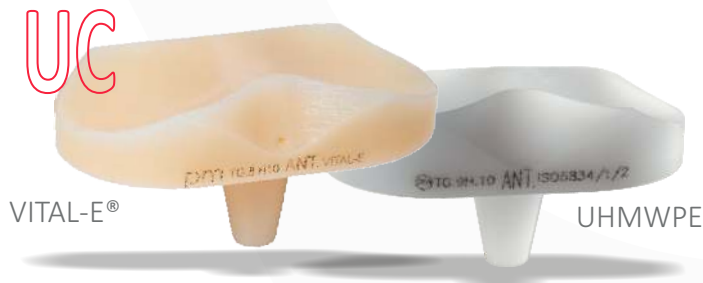
The femoral component is common for both the mobile and fix bearing options of the **GKS PRIME FLEX** range and it's design was studied to optimize prosthesis performance during flexion: the posterior condyle thickness and curvature range allows ample contact area even at elevated flexion.

Manufactured in Cobalt-Chrome alloy, available in both cemented and cementless version and also with the **BIOLOY®** ultrahard finishing surface.

HaX-Pore

The double **HaX-Pore®** bio-active coating on the bone contact surface of the cementless components promotes osseointegration favouring biological fixation.

ROTATING INSERT



10 Thicknesses

The UC rotating joint liner is designed for an ultracongruent contact with the femoral component thus providing high stability even in the absence of the PCL.

Manufactured with Ultra high molecular weight polyethylene is also available in **VITAL-E®** version, added with antioxidizing Vitamin E.

MOBILE BEARING TIBIA



7 Implant sizes

Equipped with a flanged keel for metaphyseal anchorage which opposes the anterior-posterior tilting movement and torque forces.

Made of CrCoMo or Titanium alloy with ultrahard **BIOLOY®** surface coating, is available in both cemented and cementless version with **HaX-Pore®** coating.

GKS PRIME FLEX - Femoral Component



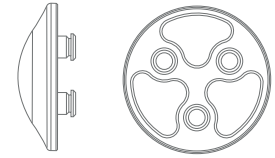
CrCo



BIOLOY®

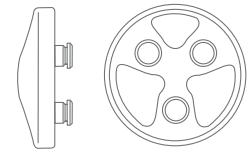
SIZE	Side	CrCo	CrCo	BIOLOY®	BIOLOY®
		Cemented	HaX-Pore®	Cemented	HaX-Pore®
		Reference	Reference	Reference	Reference
4	RIGHT	54002*	54291*	54078*	54295*
	LEFT	54003*	54292*	54079*	54296*
5	RIGHT	54013	54033	54083	54211
	LEFT	54014	54034	54084	54212
6	RIGHT	54025	54035	54085	54213
	LEFT	54026	54036	54086	54214
7	RIGHT	54017	54037	54087	54215
	LEFT	54018	54038	54088	54216
8	RIGHT	54027	54039	54089	54217
	LEFT	54028	54040	54090	54218
9	RIGHT	54021	54041	54091	54219
	LEFT	54022	54042	54092	54220
10	RIGHT	54006	54045	54095	54221
	LEFT	54007	54046	54096	54222
11	RIGHT	54023	54043	54093	54223
	LEFT	54024	54044	54094	54224
12	RIGHT	54008	54047	54097	54225
	LEFT	54009	54048	54098	54226
13	RIGHT	54004*	54293*	54099*	54297*
	LEFT	54005*	54294*	54100*	54298*

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

GKS PRIME FLEX - Mobile Bearing Tibia



CrCo



BIOLOY®

SIZE	CrCo	CrCo	BIOLOY®	BIOLOY®
	Cemented	HX-Pore	Cemented	HaX-Pore
	Reference	Reference	Reference	Reference
A	53801	53901	53921	53951
B	53802	53902	53922	53952
C	53803	53903	53923	53953
D	53804	53904	53924	53954
E	53805	53905	53925	53955
F	53806	53906	53926	53956
G	53807	53907	53927	53957

GKS PRIME - Tibial Extensions



Nickel Free

SIZE	Reference
40x8mm	51011
40x10mm	51012

Information

INTENDED PURPOSE: GKS PRIME FLEX Mobile is a three-compartmental knee prosthesis to be used in Total Knee Replacement procedures. Indicated for primary Total Knee Arthroplasties in cases of advanced osteo-cartilaginous 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/TIBIA: Cobalt Chromium Molybdenum alloy - ISO5832/4;

BIOLOY® 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 surfaces: achieved through the **MICROLOY®** technological process. **BIOLOY®** version has integral 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:** **HaX-Pore®** double coating (300µm 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 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 - MOBILE UC Joint Liners



SIZE	Compatible TIBIA	Thickness	UHMWPE Reference	VITAL-E Reference	SIZE	Compatible TIBIA	Thickness	UHMWPE Reference	VITAL-E Reference
4	A-B-C-D E-F-G	9mm	51986	51986E	9	D-E-F-G	9mm	52003	52003E
		10mm	51925	51925E			10mm	51950	51950E
		11mm	51987	51987E			11mm	52004	52004E
		12mm	51926	51926E			12mm	51951	51951E
		13mm	51988*	51988E*			13mm	52005*	52005E*
		14mm	51989*	51989E*			14mm	51978*	51978E*
		15mm	51927	51927E			15mm	51952	51952E
		17mm	51990*	51990E*			17mm	51979*	51979E*
		18mm	51928	51928E			18mm	51953	51953E
		20mm	51929	51929E			20mm	51954	51954E
5	A-B-C-D E-F-G	9mm	51991	51991E	10	E-F-G	9mm	52006	52006E
		10mm	51930	51930E			10mm	51955	51955E
		11mm	51992	51992E			11mm	52007	52007E
		12mm	51931	51931E			12mm	51956	51956E
		13mm	51993*	51993E*			13mm	52008*	52008E*
		14mm	51970*	51970E*			14mm	51980*	51980E*
		15mm	51932	51932E			15mm	51957	51957E
		17mm	51971*	51971E*			17mm	51981*	51981E*
		18mm	51933	51933E			18mm	51958	51958E
		20mm	51934	51934E			20mm	51959	51959E
6	A-B-C-D E-F-G	9mm	51994	51994E	11	E-F-G	9mm	52009	52009E
		10mm	51935	51935E			10mm	51960	51960E
		11mm	51995	51995E			11mm	52010	52010E
		12mm	51936	51936E			12mm	51961	51961E
		13mm	51996*	51996E*			13mm	52011*	52011E*
		14mm	51972*	51972E*			14mm	51982*	51982E*
		15mm	51937	51937E			15mm	51962	51962E
		17mm	51973*	51973E*			17mm	51983*	51983E*
		18mm	51938	51938E			18mm	51963	51963E
		20mm	51939	51939E			20mm	51964	51964E
7	B-C-D E-F-G	9mm	51997	51997E	12	F-G	9mm	52012	52012E
		10mm	51940	51940E			10mm	51965	51965E
		11mm	51998	51998E			11mm	52013	52013E
		12mm	51941	51941E			12mm	51966	51966E
		13mm	51999*	51999E*			13mm	52014*	52014E*
		14mm	51974*	51974E*			14mm	51984*	51984E*
		15mm	51942	51942E			15mm	51967	51967E
		17mm	51975*	51975E*			17mm	51985*	51985E*
		18mm	51943	51943E			18mm	51968	51968E
		20mm	51944	51944E			20mm	51969	51969E
8	C-D-E F-G	9mm	52000	52000E	13	F-G	9mm	52015	52015E
		10mm	51945	51945E			10mm	52016	52016E
		11mm	52001	52001E			11mm	52017	52017E
		12mm	51946	51946E			12mm	52018	52018E
		13mm	52002*	52002E*			13mm	52019*	52019E*
		14mm	51976*	51976E*			14mm	52020*	52020E*
		15mm	51947	51947E			15mm	52021	52021E
		17mm	51977*	51977E*			17mm	52022*	52022E*
		18mm	51948	51948E			18mm	52023	52023E
		20mm	51949	51949E			20mm	52024	52024E

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