

JOINT SYSTEMS CATALOGUE

Primary Hip Joint System
Primary Knee Joint System

M A N U F A C T U R E R



iKey Medical

HIP JOINT SYSTEM

- 01 Coral™ Femoral Stem
- 02 Cementa™ Cemented Femoral Stem
- 03 Cemented Acetabular Cup
- 04 Metallica™ Metal Femoral Head
- 05 Apex™ TPS Acetabular Cup
- 06 Apex™ Acetabular Screw
- 07 Apex™ Acetabular Hole Plug
- 08 Apex™ XPE Liner



Coral™ Femoral Stem

Uncemented femoral stem

Hydroxyapatite (HA) full coating, promote bone growth, provide perfect bone integration

Optimized offset, more comfortable implantation and reduction

Standard 12/14 taper fits all metal femoral heads femoral heads



Cementa™ Femoral Stem

Cemented femoral stem

Forged high nitrogen stainless steel material ensures optimal strength

Double taper high polished surface design ensures stable implantation

The standard 12/14 taper is compatible with all metal femoral heads and ceramic femoral heads

Retractor and Centralizer



Cemented Acetabular Cup

Highly cross-linked ultra-high molecular weight polyethylene material ensures minimum wear

10° high edge design for better anti-dislocation effect

Eccentric design to restore the rotation center of the hip joint

Cup Size 28



Metallica™ Metal Femoral Head

Imported chromium-cobalt-molybdenum alloy material

Highly polished surface, forging process, providing the optimized precision

Standard 12/14 taper

Head 28 & 32



APEX™ TPS Acetabular CUP

Imported Pure Titanium powder vacuum spray, porosity greater than 40%, providing excellent bone ingrowth

Excellent double locking mechanism, with excellent anti-dislocation and anti-rotation performance

Matching with XPE liners, easy to choose during surgery



APEX™ Acetabular Screw

Standard T25 torx interface

Self-drilling design, more convenient implantation

Optimized thread pitch, increased bonding strength with bone



APEX™ Acetabular Hole Plug

Standard T25 torx interface

Both screw hole and top hole are compatible



APEX™ XPE Liner

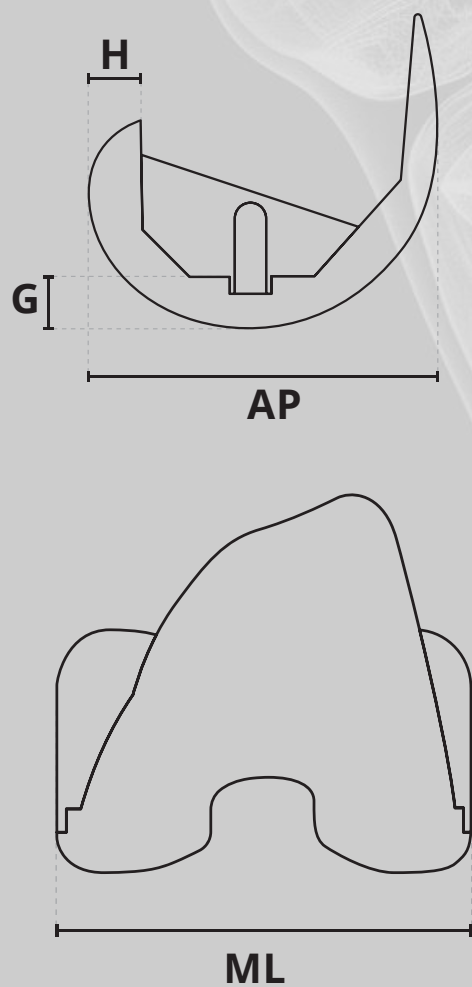
High crosslinked polyethylene

+4mm eccentric design ensures hip joint stability

10° high edge design, excellent anti-dislocation effect

KNEE JOINT SYSTEM

- 09 Mirai™ PS Femoral Condyle
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- 13 Mirai™ Patella



Mirai™ PS Femoral Condyle

New Patella tracking design to avoid Patella snapping

Gradient radius of curvature design to perfectly solve knee flexion instability

3mm increments in anterior & posterior diameter to provide a perfect match

Specification	ML(mm)	AP(mm)	Posterior Thickness H(mm)	DistalThickness G(mm)
B-L	57	52	9	9
B-R	57	52	9	9
C-L	60	55	9	9
C-R	60	55	9	9
D-L	63	58	9	9
D-R	63	58	9	9
E-L	66	61	9	9
E-R	66	61	9	9
F-L	69	64	9	9
F-R	69	64	9	9
G-L	72	67	9	9
G-R	72	67	9	9
H-L	75	71	9	9
H-R	75	71	9	9



Mirai™ PS Tibial Insert

Full sizes with 1mm increament

Optimized femoral/tibial curvature matching ensures lower wear rate

Proven safe and effective fixed locking mechanism



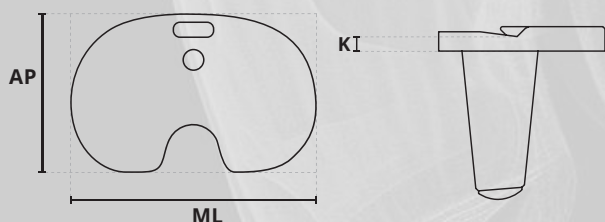
Mirai™ PS Tibial Tray

Forged titanium alloy material is closer to the elastic modulus of bone

Proven double dovetail locking mechanism, more secure locking

5° posterior slope design to avoid impact on the tibial cortex

Specification	ML(mm)	AP(mm)	Thickness K(mm)
1#	58	38	3.5
2#	62	41	3.5
3#	66	43	3.5
4#	70	46	3.5
5#	74	48	3.5
6#	78	50	3.5

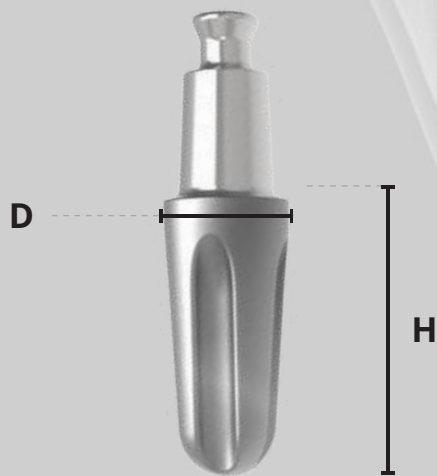


Mirai™ Tibial Extension Stem

Taper locking combined with screw fixation, easy to implant

30mm length, 14mm diameter

Only compatible with Mirai™ total knee joint system



Specification	Diameter D (mm)	Height H(mm)
14x30mm	14	30

Mirai™ Patella



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