



China design



International quality



Manufacturing for worldwide



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WEGO JOINT PRODUCT CATALOG



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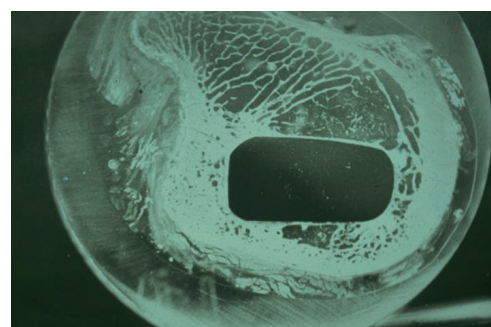
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WE-Lock HA Stem

Excellent primary stability

Quadrangular cross-section and dual -tapered Design

Proximal rectangle cross section resists axial/torsional stresses and promotes primary stability.



Effective osseointegration—Fully Hydroxyapatite coating (155µm)

WE-Lock family fully HA-coated stem is completely consistent with European and American brand HA prosthesis using HA powder and spraying process suppliers, and its purity, crystallinity, thickness, tensile bond strength and other performances are as excellent as European and American top brand prosthesis.

Tensile Bond Strength

Purity

Tensile Bond Strength

Tensile Bond Strength

Cortical bone

Osseointegration occurs between HA-coated and compacted cancellous bone

Titanium Alloy substrate

The WE-Lock HA femoral stem adopts a classic quadrangular cross-section and dual -tapered straight stem design to provide good primary stability; Proven HA coating process provides effective long-term osseointegration. The design of the prosthesis is optimized and improved according to the databases of Asian patients, so that the neck length changed in proportion to the prosthesis size which is more accurate to match Asian patients' anatomy.

Neck Enhancements

increases the range of motion
reduces risk of mechanical impingement

Neck length changes proportionally with the prosthesis model

Surface Groove Design

provide micro-stability

Bi-taper and Quadrangular cross section Design

resist axial/torsional stresses and provides rotational stability, promotes initial stability

Fully HA Coating

provide primary stability and Osteo-conductive properties

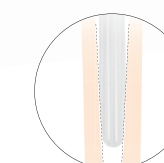
Complete Size

12 models with the offset increasing uniformly and neck length changes proportionally with the prosthesis model, for a more precise match to the patient's anatomy

Distal Tapering Design

reduce the possible occurrence of cortical impact and thigh pain.

Coating thickness: 155µm
Morse taper: 12/14
Neck angle : 130°



Alpha-Conserve Femoral Stem

Product Name	code	size	code	size
WE-LOCK HA Femoral Stem	08.302.09.9506207112	0#	08.302.09.9506207104	4#
	08.302.09.9506207113	0.5#	08.302.09.9506207105	5#
	08.302.09.9506207101	1#	08.302.09.9506207106	6#
	08.302.09.9506207102	2#	08.302.09.9506207107	7#
	08.302.09.9506207103	3#	08.302.09.9506207108	8#
	08.302.09.9506207116	3.5#	08.302.09.9506207109	9#

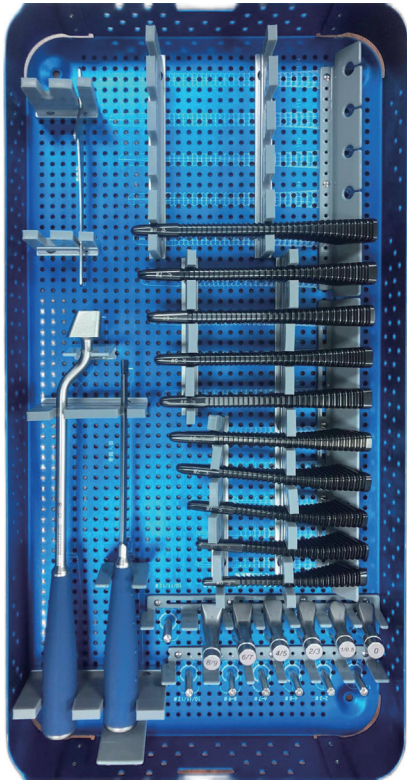
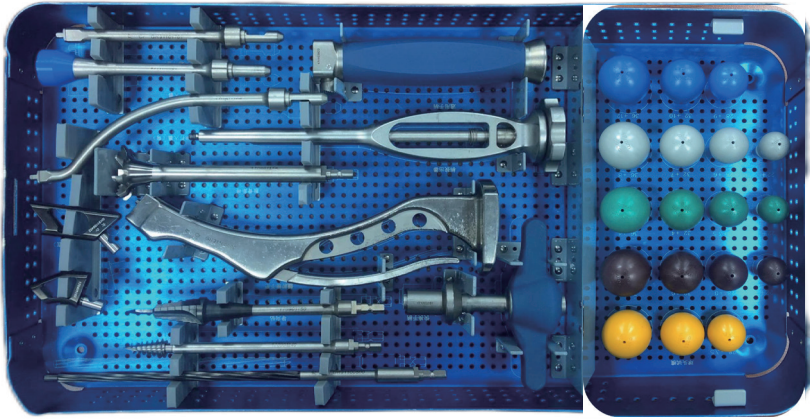
The Alpha-conserve® stem is designed after the European philosophy of a flat tapered wedge. By combining excellent clinical success and durability over the last 30 years, the Alpha-conserve® hip continues to deliver consistent, reproducible results. Chinese orthopedic opinion leaders participated in the design optimization to more accurately match the anatomical characteristics of Asian patients.

code	size	code	size
08.302.09.9506237100	0#	08.302.09.9506237105	4#
08.302.09.9506237101	1#	08.302.09.9506237106	5#
08.302.09.9506237102	2#	08.302.09.9506237107	6#
08.302.09.9506237103	3#	08.302.09.9506237108	7#
08.302.09.9506237104	4#	08.302.09.9506237109	8#

The benefits of

01. Excellent clinical results
02. Dual tapered wedge geometry
03. Superior materials and manufacturing methods
04. Enhanced performance and reliability

The Surgical Technique

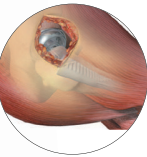


Reduced length

Stem length reduced 10-20 mm to preserve soft tissues and bony structures and better accommodate minimally invasive approaches.

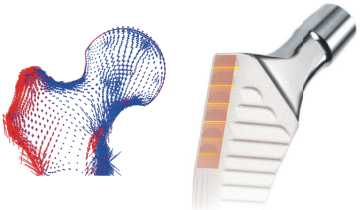
Conserve bone and accommodate minimally invasive surgical approaches

Shorter than the full length stem and low-profile lateral shoulder design enables easy insertion in reduced incision techniques, including the anterior approach.



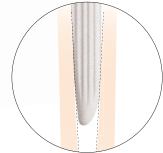
Lateral reverse tensile stress optimization structure

Increased stability



Flat Tapered Wedge Geometry

Enhances proximal offloading and bone preservation and provides for rotational stability while helping reduce the risk of bone cracking



WE-Lock TS Femoral Stem

WE-Lock TS stem is dual tapered wedge design geometry gives the primary mechanical stability.

The proximal vacuum plasma titanium spray coating ensures reliable bone growth effect on the femoral stem



Proportional neck length and offse

Match the anatomy of patients.

Dual Tapered Wedge Design

proximal rectangle cross section
resists axial/torsional stresses and promotes initial stability.

Proximal vacuum plasma spray of commercially pure titanium

Ensure uniform and dense coating thickness, prevent coating peeling,
and have reliable bone growth effect.


Various size options

12 sizes increase proportionally, more accurately match the anatomy of Chinese patients.



code	size	code	size
08.302.09.9506016101	1#	08.302.09.9506016106	6#
08.302.09.9506016102	2#	08.302.09.9506016107	7#
08.302.09.9506016103	3#	08.302.09.9506016108	8#
08.302.09.9506016104	4#	08.302.09.9506016109	9#
08.302.09.9506016105	5#		

WE-Taper Femoral Stem



Polished Anterior-Posterior Neck Flats
Designed to help reduce wear debris

The medial anatomical curvature

Porous Plasma Spray coating

Maximizes short and long-term ingrowth
through random, non-interconnected pores
and pore size distribution.

Provides initial implant stability through a scratch-fit
fixation obtained by enhanced surface roughness.

The coating surface area extends to the metaphysis/diaphysis
junction for enhanced secure coverage with three-point locking

Radial ZTT steps

Radial ZTT steps designed to eliminate
hoop stress by directing radial force into
compression.

Sandblasted finish shaft

Polished Bullet-shaped Distal Tip

Provides a gradual separation from cortex for reduction in
distal stresses.

code	size	code	size
08.302.09.9506096101	1#	08.302.09.9506096105	5#
08.302.09.9506096102	2#	08.302.09.9506096106	6#
08.302.09.9506096103	3#	08.302.09.9506096107	7#
08.302.09.9506096104	4#	08.302.09.9506096108	8#

WE-Fin Femoral Stem

Conical anti-rotatable bone preserved prosthesis designed for patients with narrowed medullary canal and DDH(Developmental Dysplasia of the Hip)

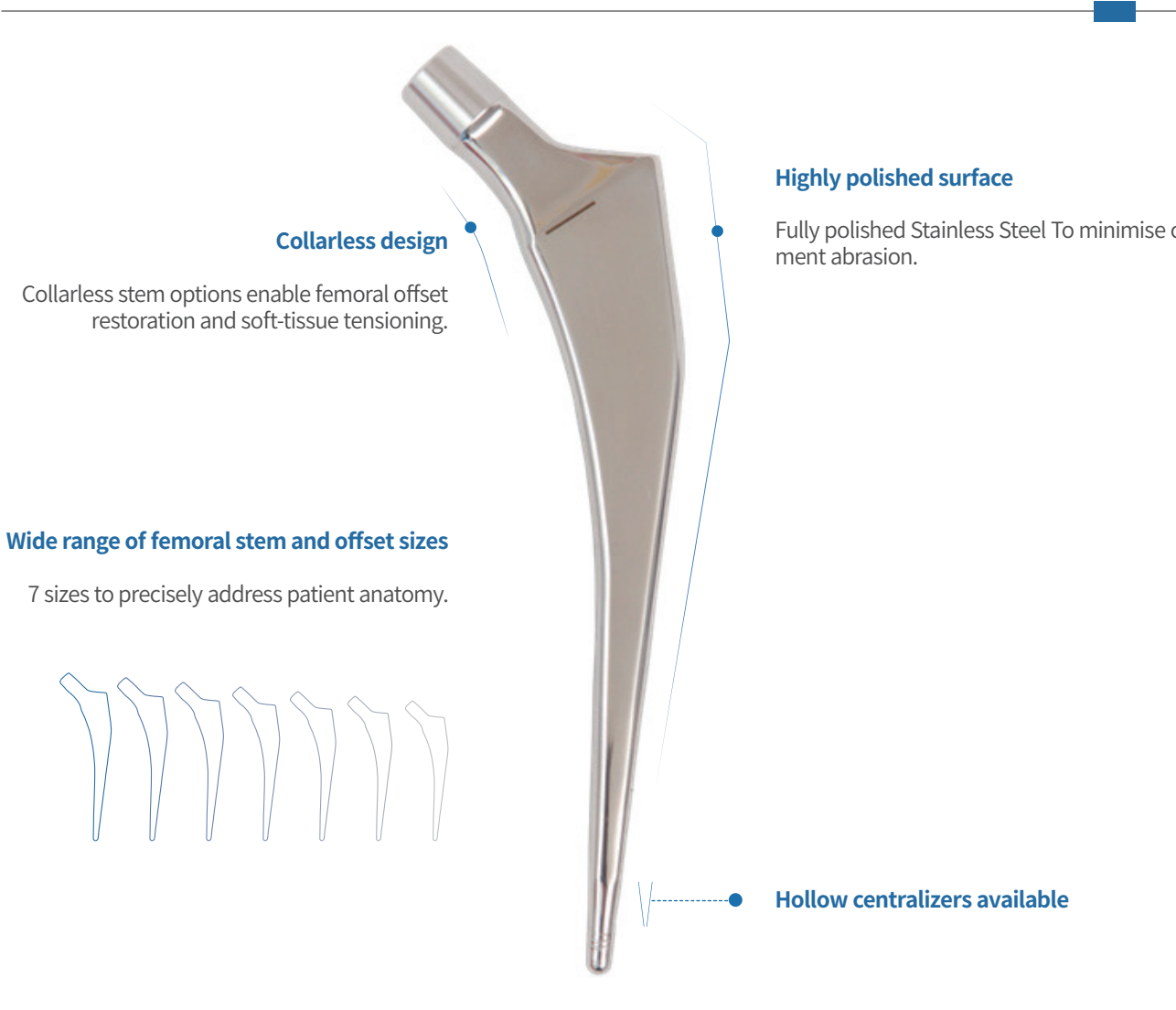
The systems have a wider variety of neck angles, sizes to address the unique challenges of complex primary THA.



code	size	code	size
08.302.09.9506172101	1#	08.302.09.9506172106	6#
08.302.09.9506172102	2#	08.302.09.9506172107	7#
08.302.09.9506172103	3#	08.302.09.9506172108	8#
08.302.09.9506172104	4#	08.302.09.9506172109	9#
08.302.09.9506172105	5#	08.302.09.9506172110	10#

WE-Lock Cemented Femoral Stem

The heritage double-tapered fully polished cement femoral stem is suitable for elderly and osteoporotic patients, offering double offset and system solutions from CDH(congenital dislocation of the hip) to revision.



code	size	code	size
08.302.09.9506321401	1#	08.302.09.9506321404	4#
08.302.09.9506321402	2#	08.302.09.9506321405	5#
08.302.09.9506321403	3#	08.302.09.9506321406	6#

WE-Lock HA REV



Reduce bone loss

Reduce further bone loss during revision operations

Reduce complications

Simplify revision procedures

The surgical technique shares a similar procedure for implantation as the primary WE-Lock stem, Simplifying surgical workflow , only 1 box instrument set suits for surgery perfectly

Increase the length

Compared with WE-LOCK HA the stem length is increased by 40mm by equal amounts

Fully HA Coating

The use of hydroxyapatite (HA) coated stems in both primary and revision surgery has provided positive, reproducible outcomes across the range of femoral defects and has shown fast implant-to-bone integration.

Distal Stem Design

Two distal slots are designed to allow elasticity in the distal portion of the stem which helps in adapting to the patient’ s femoral morphology.

The increased flexibility may also minimise the potential for thigh pain and stress shielding in the proximal femur.

code	size	code	size
08.302.09.9506267115	2.5#	08.302.09.9506267119	6.5#
08.302.09.9506267116	3.5#	08.302.09.9506267120	7.5#
08.302.09.9506267117	4.5#	08.302.09.9506267121	8.5#
08.302.09.9506267118	5.5#	08.302.09.9506267122	9.5#

indication
01. ntertrochanteric fracture
02. Revision hip

WE-FinL

Heritage conical anti-rotation revision femoral stem, unique design, enabling initial stability and can promote long-term bone regeneration and remodeling, suitable for revision and complex cases requiring mid-distal fixation



High polished neck

Circular cross-section for intraoperative flexibility

Circular profile along the entire length of the stem allows adjustment of version angle and canal preparation with reamers to preserve bone.

Unique design

Bridging distally healthy bone with low quality bone bed and ensuring mechanical stability.

The Stem features a cone angle of 2° as the fixation in revision situations

Available in 190mm and 225mm lengths

code	size	code	size
08.302.09.9506182101	1-1#	08.302.09.9506192102	2-2#
08.302.09.9506182102	1-2#	08.302.09.9506192103	2-3#
08.302.09.9506182103	1-3#	08.302.09.9506192104	2-4#
08.302.09.9506182104	1-4#	08.302.09.9506192105	2-5#
08.302.09.9506182105	1-5#	08.302.09.9506192106	2-6#
08.302.09.9506182106	1-6#	08.302.09.9506192107	2-7#
08.302.09.9506182107	1-7#	08.302.09.9506192108	2-8#
08.302.09.9506192101	2-1#	08.302.09.9506192109	2-9#

indication
01. Intertrochanteric fracture
02. Revision hip

WE-Crown Biological Acetabular Cup

The latest generation of biological acetabular cup system integrates the design features of the latest biological acetabular cup in Europe and the United States.

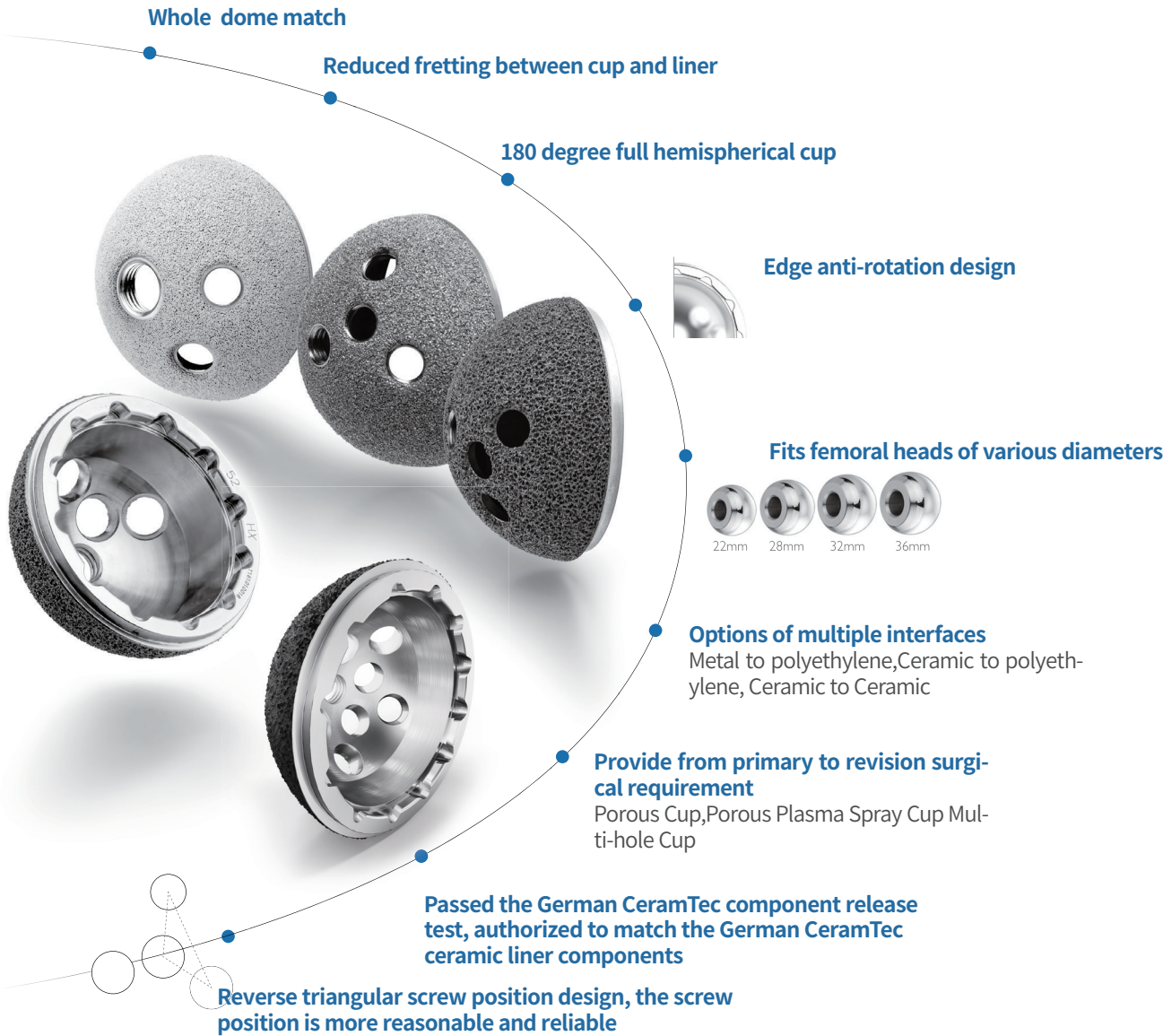
The full dome hemispherical design reduces the wear of the polyethylene lining.

The original anti-triangular screw hole position design and the occluder can completely seal the acetabular cup and reduce the possibility of back wear.

Apply the CATCHY microporous coating developed and imported from the United States to ensure long-term bone ingrowth.

Passed the German CeramTec component release test,authorized to match the German CeramTec ceramic lining components.

The system has the matching ability of different types of polyethylene WE-Crown and ceramic lining, and has two coating options of CATCHY and CATCHY+HA



WE-Crown Biological Acetabular Cup (Type I)

code	size	code	size
08.302.09.9503026138	38mm	08.302.09.9503026154	54mm
08.302.09.9503026140	40mm	08.302.09.9503026156	56mm
08.302.09.9503026142	42mm	08.302.09.9503026158	58mm
08.302.09.9503026144	44mm	08.302.09.9503026160	60mm
08.302.09.9503026146	46mm	08.302.09.9503026162	62mm
08.302.09.9503026148	48mm	08.302.09.9503026164	64mm
08.302.09.9503026150	50mm	08.302.09.9503026166	66mm
08.302.09.9503026152	52mm	08.302.09.9503026168	68mm

indication

01. Rheumatoid arthritis, degenerative arthritis, traumatic arthritis.
02. Hip pain and functional impairment caused by avascular necrosis of the femoral head.
03. Congenital hip dislocation, congenital abnormal development of the hip.
04. Femoral neck fracture.

WE-Crown Biological Acetabular Cup (Type II)

code	size	code	size
08.302.09.9503056138	38mm	08.302.09.9503056154	54mm
08.302.09.9503056140	40mm	08.302.09.9503056156	56mm
08.302.09.9503056142	42mm	08.302.09.9503056158	58mm
08.302.09.9503056144	44mm	08.302.09.9503056160	60mm
08.302.09.9503056146	46mm	08.302.09.9503056162	62mm
08.312.09.9503056148	48mm	08.302.09.9503056164	64mm
08.312.09.9503056150	50mm	08.302.09.9503056166	66mm
08.302.09.9503056152	52mm	08.302.09.9503056168	68mm

indication

01. Rheumatoid arthritis, degenerative arthritis, traumatic arthritis.
02. Hip pain and functional impairment caused by avascular necrosis of the femoral head.
03. Congenital hip dislocation, congenital abnormal development of the hip.
04. Femoral neck fracture.

High carbon CoCrMo alloy Large Diameter Ball Head System

From raw materials to high standard manufacturing procedures , we provide cost-effective ball heads comparable to ceramics head.

High carbon forged cobalt chromium alloy raw material supplied by Carpenter Company (USA)

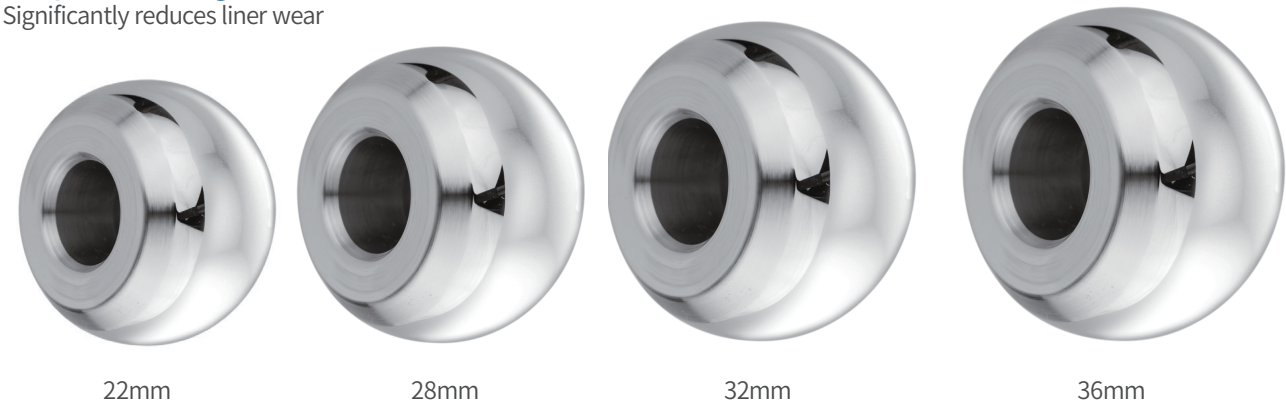
Ultra-high hardness and strength

Strict extra high manufacturing process standardsUltra-high hardness and strength

Swiss MZ grinding process, ball head roundness (roundness 0.005) and smoothness (roughness Ra0.02) reach the level of ceramic ball heads

Compatible with high cross-linked liner

Significantly reduces liner wear



Metal Femoral Head			
code	size	code	size
08.302.09.9505001201	22+0mm	08.302.09.9505001215	28+12mm
08.302.09.9505001202	22+3mm	08.302.09.9505001220	32-4mm
08.302.09.9505001210	28-4mm	08.302.09.9505001221	32+0mm
08.302.09.9505001211	28+0mm	08.302.09.9505001222	32+3mm
08.302.09.9505001212	28+3mm	08.302.09.9505001223	32+6mm
08.302.09.9505001213	28+6mm	08.302.09.9505001224	32+9mm
08.302.09.9505001214	28+9mm		

U-Metal Femoral Head			
code	size	code	size
08.302.09.9505001802	22.225+0	08.302.09.9505001823	32+4
08.302.09.9505001811	28-3.5	08.302.09.9505001825	32+9
08.302.09.9505001812	28+0	08.302.09.9505001826	32+12
08.302.09.9505001813	28+3.5	08.302.09.9505001827	32+7
08.302.09.9505001814	28+6	08.302.09.9505001831	36-4
08.302.09.9505001815	28+9	08.302.09.9505001832	36+0
08.302.09.9505001816	28+12	08.302.09.9505001836	36+12
08.302.09.9505001821	32-4	08.302.09.9505001838	36+4
08.302.09.9505001822	32+0	08.302.09.9505001839	36+8

indication	
01.	Rheumatoid arthritis, degenerative arthritis, traumatic arthritis.
02.	Hip pain and functional impairment caused by avascular necrosis of the femoral head.
03.	Congenital hip dislocation, congenital abnormal development of the hip.
04.	Femoral neck fracture.

indication	
01.	Developmental Dysplasia of the Hip (DDH);Osteoarthritis;
02.	Avascular Necrosis of Bone (including Avascular Necrosis of the Femoral Head);
03.	Nonunion of Hip Fractures (including Femoral Neck Fractures);
04.	Rheumatoid Arthritis;
05.	Traumatic Arthritis.

Ceramic Lining and Head System



All ceramic heads and inner liners are supplied by Germany CeramTec, and all femoral stems and biological acetabular cups of WEGO THA system have passed the component test of Germany CeramTec.

High performance acetabular cup friction system

Optimal biological performance, ensuring extremely low wear on the acetabular side and long-term survival

Fourth-generation ceramics substantially reduce the risk of possible breakage and improve wear resistance

Larger diameter ceramic heads option, increasing range of motion and reducing risk of dislocation



BIOLOX® is a registered trademark of CeramTec GmbH in Germany

ceramic liner			
code	size	code	size
08.302.09.9504090301	44/28	08.302.09.9504090309	52/32
08.302.09.9504090302	46/28	08.302.09.9504090313	54/36
08.302.09.9504090308	48/32	08.302.09.9504090314	58/36

indication	
01.	Developmental dysplasia of the hip;
02.	Osteoarthritis;
03.	Avascular necrosis of the bone (including avascular necrosis of the femoral head);
04.	Nonunion of hip fractures (including femoral neck fractures);
05.	Rheumatoid arthritis;
06.	traumatic arthritis.

ceramic liner			
code	size	code	size
08.302.09.9505001301	28S	08.302.09.9505001314	32XL
08.302.09.9505001302	28M	08.302.09.9505001321	36S
08.302.09.9505001303	28L	08.302.09.9505001322	36M
08.302.09.9505001311	32S	08.302.09.9505001323	36L
08.302.09.9505001312	32M	08.302.09.9505001324	36XL
08.302.09.9505001313	32L		

indication	
01.	Developmental dysplasia of the hip;
02.	Osteoarthritis;
03.	Avascular necrosis of the bone (including avascular necrosis of the femoral head);
04.	Nonunion of hip fractures (including femoral neck fractures);
05.	Rheumatoid arthritis;
06.	traumatic arthritis.

WE-Poly Highly Cross-linked Liner

Variety of polyethylene liner designs for different requirements for acetabular position and hip joint offset.

Highly cross-linked polyethylene material can significantly reduce wear

Polyethylene liner with extra rim increases stability and reduces risk of dislocation



Flat-rim lining ensures joint mobility

U-Metal Femoral Head			
code	size	code	size
08.302.09.9504040602	38/22.225	08.302.09.9504040620	56/36
08.302.09.9504040603	40/22.225	08.302.09.9504040621	58/36
08.302.09.9504040604	42/22.225	08.302.09.9504040622	60/36
08.302.09.9504040605	44/22.225	08.302.09.9504040623	62/36
08.302.09.9504040606	46/28	08.302.09.9504040624	64/36
08.302.09.9504070616	48/32	08.302.09.9504040625	66/36
08.302.09.9504070617	50/32	08.302.09.9504040626	68/36
08.302.09.9504040618	52/32	08.302.09.9504040627	70/36
08.302.09.9504040619	54/36		

indication

01. Developmental dysplasia of the hip;
02. Osteoarthritis;
03. Avascular necrosis of the bone (including avascular necrosis of the femoral head);
04. Nonunion of hip fractures (including femoral neck fractures);
05. Rheumatoid arthritis;traumatic arthritis.

Bipolar Cup System



The WE-Dome bipolar cup system is composed of a metallic outer cup, liner, and snap ring. It uses in Partial Hip Replacement Surgery with two types of friction interfaces for clinical surgical selection: ceramic-polyethylene and metal-polyethylene.

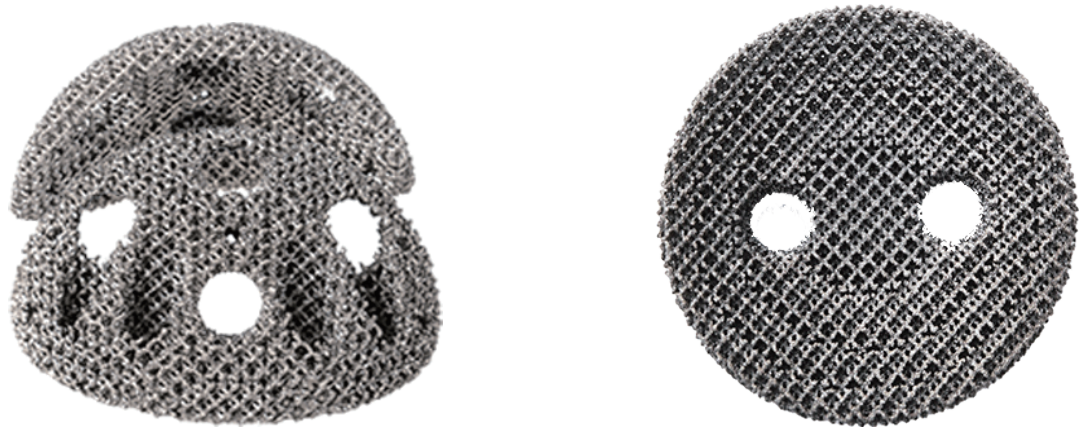
The WE-Dome bipolar cup adopts an eccentric design. When the bipolar head is subjected to downward force, the centers of the external and internal heads automatically adjust to the suitable anatomical position, optimizing stress distribution.

Bipolar Cup			
code	size	code	size
08.302.19.9503011238	38mm	08.302.19.9503011248	48mm
08.302.19.9503011240	40mm	08.302.19.9503011250	50mm
08.302.19.9503011242	42mm	08.302.19.9503011252	52mm
08.302.19.9503011244	44mm	08.302.19.9503011254	54mm
08.302.19.9503011246	46mm	08.302.19.9503011256	56mm

Bipolar liner			
code	size	code	size
08.302.19.9504010502	Φ38-22.225mm	08.302.19.9504010507	Φ48-28mm
08.302.19.9504010503	Φ40-22.225mm	08.302.19.9504010508	Φ50-28mm
08.302.19.9504010504	Φ42-22.225mm	08.302.19.9504010518	Φ52-32mm
08.302.19.9504010505	Φ44-22.225mm	08.302.19.9504010519	Φ54-32mm
08.302.19.9504010506	Φ46-28mm	08.302.19.9504010520	Φ56-32mm

Bipolar ring			
code	size	code	size
08.302.19.9507010538	38mm	08.302.19.9507010548	48mm
08.302.19.9507010540	40mm	08.302.19.9507010550	50mm
08.302.19.9507010542	42mm	08.302.19.9507010552	52mm
08.302.19.9507010544	44mm	08.302.19.9507010554	54mm
08.302.19.9507010546	46mm	08.302.19.9507010556	56mm

Titanium Trabecular Augment



Titanium Trabecular Augment I			
code	size	code	size
08.302.09.9510048101	46*10	08.302.09.9510048163	58*15
08.302.09.9510048103	46*15	08.302.09.9510048165	58*20
08.302.09.9510048105	46*20	08.302.09.9510048169	58*30
08.302.09.9510048121	50*10	08.302.09.9510048181	62*10
08.302.09.9510048123	50*15	08.302.09.9510048183	62*15
08.302.09.9510048125	50*20	08.302.09.9510048185	62*20
08.302.09.9510048141	54*10	08.302.09.9510048189	62*30
08.302.09.9510048143	54*15	08.302.09.9510048201	66*10
08.302.09.9510048145	54*20	08.302.09.9510048203	66*15
08.302.09.9510048149	54*30	08.302.09.9510048205	66*20
08.302.09.9510048161	58*10	08.302.09.9510048209	66*30

Titanium Trabecular Augment II			
code	size	code	size
08.302.09.9510058126	26	08.302.09.9510058138	38
08.302.09.9510058132	32	08.302.09.9510058144	44

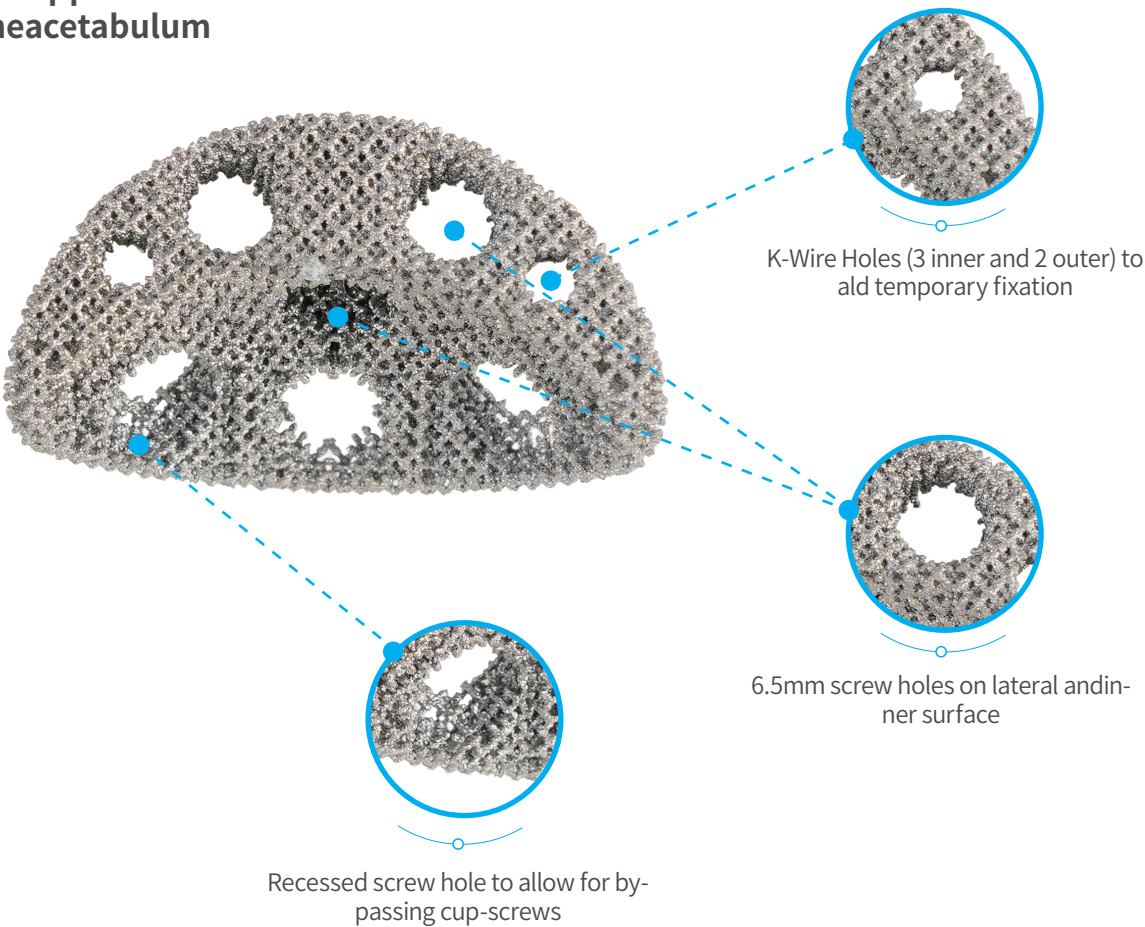
indication

01. Acetabular Revision with Bone Defect

indication

01. Acetabular Revision with Bone Defect

Reconstruction of defects in the upper and inner wall of the acetabulum



WE-Motion

WE-Motion Total Knee arthroplasty system

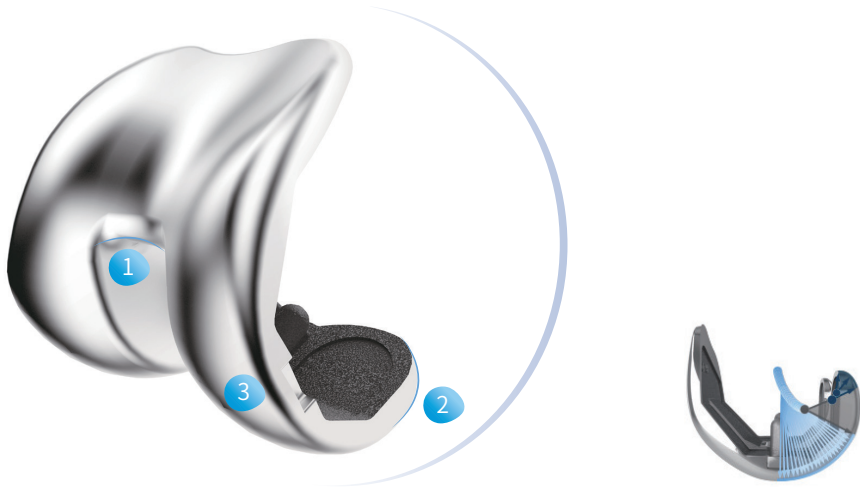


The latest generation of total knee system integrates the design features and biomechanical research results of the latest knee prosthesis in Europe and America.

The progressive curvature of the femoral condyle, the high flexion degree of the posterior condyle; the gradual femoral trochlea angle and cutting depth; the oblique intercondylar box design and trochler transition, anatomical high-polished cobalt-chromium alloy tibial base, tibial insert central locking mechanism, etc.

These features make the Whe WE-Motion system is the first to introduce German 5-axis CNC grinding echnology and German flow particle grinding and polishing technology in China to ensure the complex curve of the prosthesis design and the ultra-high smoothness requirements of surface polishing. According to the wear est of the German Endo laboratory, the wear rate is significantly lower than he data of European and American brands prostheses in its database.E-Motion total knee system have obvious advantages.

Femoral condyle



- 1

Optimized transition curve between trochlear and intercondylar box
- 2

Optimized posterior condyle high flexion curve
- 3

The curve is designed with a gradually reducing femoral radius

This curve creates a smooth transition during knee bending and produces high stability of the knee by minimizing unnatural sliding of the femur on the tibia.

code	size
High Flex Femoral Component Cruciate Retaining(CR) femoral condylar	2L,2R,3L,3R,4L,4R,5L,5R,6L,6R,7L,7R,8L,8R
High -Flex Femoral Component Posterior or Stabilized (PS) femoral condylar	2L,2R,3L,3R,4L,4R,5L,5R,6L,6R,7L,7R,8L,8R,3NL,4NL,5NL,6NL,3NR,4NR,5NR,6NR

primary knee replacement

High -Flex Femoral Component Posterior Stabilized (PS) femoral condylar

Oblique semi-enclosed intercondylar box design

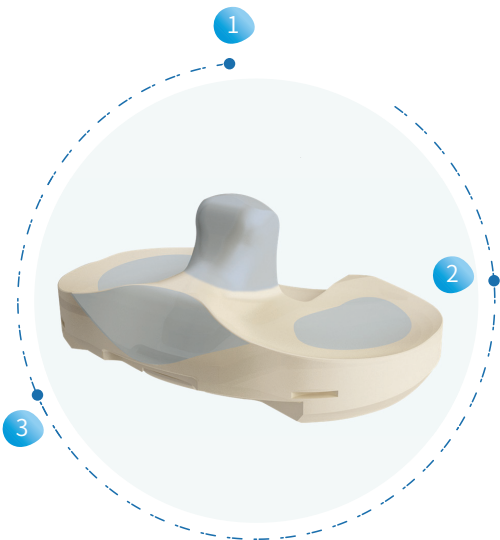
code	
08.302.11.9601121202	08.302.11.9611121207
08.302.11.9611121202	08.302.11.9601121208
08.302.11.9601121203	08.302.11.9611121208
08.302.11.9611121203	08.302.11.9601111213
08.302.11.9601121204	08.302.11.9601111214
08.302.11.9611121204	08.302.11.9601111215
08.302.11.9601121205	08.302.11.9601111216
08.302.11.9611121205	08.302.11.9611111213
08.302.11.9601121206	08.302.11.9611111214
08.302.11.9611121206	08.302.11.9611111215
08.302.11.9601121207	08.302.11.9611111216

High Flex Femoral Component Cruciate Retaining(CR) femoral condylar

Keep the intercondylar fossa osteotomy volume, better bone preservation

code
08.302.11.9601081202
08.302.11.9611081202
08.302.11.9601081203
08.302.11.9611081203
08.302.11.9601081204
08.302.11.9611081204
08.302.11.9601081205
08.302.11.9611081205
08.302.11.9601081206
08.302.11.9611081206
08.302.11.9601081207
08.302.11.9611081207
08.302.11.9601081208
08.302.11.9611081208

Brand new “Thumb” cam/spine design



- 1

“Thumb” cam/spine design
The curved contact surface is formed with the femoral intercondylar box designed with the circular Angle transition, which significantly reduces the possible wear between the PS post and the intercondylar box
- 2

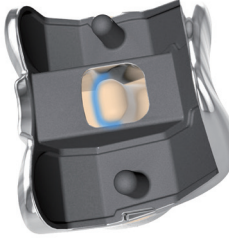
Optimized femoral curvature matching
A larger contact area between the femur and tibial shims is obtained, which reduces the wear of the same inch without affecting the movement of the knee joint, and ensures the balance between the limit system and the freedom.
- 3

Frontal notch design
The patella may be pulled down to the lowest part of the trochlea during high knee bending. The incise-like design in front of the tibial shims can increase the patellar contact area, reduce the prepatellar pressure and the possibility of prepatellar pain.



Hyperbolic PS Cam-Spine design

The "S" type contact surface increases the contact area, reduces the stress concentration on the PS gasket column, and makes the backward rolling movement of the femoral condyle in the process of bending the knee more real, smooth and stable, and more in line with the human kinematics.



Condylar box curved corner transition design

The curved contact surface is formed with the thumb cylinder of the PS gasket, which significantly reduces the possible wear between the PS column and the condylar box.

01. Tibia Insert(WE-Motion PS)Posterior Stabilized (PS) Fixed Bearing (FB) tibial platform

code	size	code	size	code	size	code	size
08.302.11.9606021502	2/6mm	08.302.11.9606021504	4/6mm	08.302.11.9606021506	6/6mm	08.302.11.9606021508	8/6mm
08.302.11.9606022502	2/7mm	08.302.11.9606022504	4/7mm	08.302.11.9606022506	6/7mm	08.302.11.9606022508	8/7mm
08.302.11.9606023502	2/8mm	08.302.11.9606023504	4/8mm	08.302.11.9606023506	6/8mm	08.302.11.9606023508	8/8mm
08.302.11.9606024502	2/10mm	08.302.11.9606024504	4/10mm	08.302.11.9606024506	6/10mm	08.302.11.9606024508	8/10mm
08.302.11.9606025502	2/12mm	08.302.11.9606025504	4/12mm	08.302.11.9606025506	6/12mm	08.302.11.9606025508	8/12mm
08.302.11.9606021503	3/6mm	08.302.11.9606021505	5/6mm	08.302.11.9606021507	7/6mm		
08.302.11.9606022503	3/7mm	08.302.11.9606022505	5/7mm	08.302.11.9606022507	7/7mm		
08.302.11.9606023503	3/8mm	08.302.11.9606023505	5/8mm	08.302.11.9606023507	7/8mm		
08.302.11.9606024503	3/10mm	08.302.11.9606024505	5/10mm	08.302.11.9606024507	7/10mm		
08.302.11.9606025503	3/12mm	08.302.11.9606025505	5/12mm	08.302.11.9606025507	7/12mm		

Anatomically fixed tibial platform

Tibia Base(WE-Motion Fixed Bearing (FB) tibial platform

code (left)	size	code (right)	size
08.302.11.9604080202	2L	08.302.11.9614080202	2R
08.302.11.9604080203	3L	08.302.11.9614080203	3R
08.302.11.9604080204	4L	08.302.11.9614080204	4R
08.302.11.9604080205	5L	08.302.11.9614080205	5R
08.302.11.9604080206	6L	08.302.11.9614080206	6R
08.302.11.9604080207	7L	08.302.11.9614080207	7R
08.302.11.9604080208	8L	08.302.11.9614080208	8R



- 1

Central locking design
Significantly reduce shim fretting and back wear. To ensure consistent locking results between different types of tibial shims and tibial platform, and make the tibial shims only need to be consistent with the femur model to ensure the best fit between the femur and the shims.
- 2

Highly polished cobalt-chrome platform
Provides better prosthesis strength, makes it easier to install spacers, and significantly reduces back wear that can occur between the femur spacer and the platform.
- 3

Wider inboard keel wing
The medial wing is slightly larger than the lateral wing, providing more support for the larger medial side of the anatomically designed tibial platform, which accords with the characteristics of the stress distribution on the tibial side.



Anatomical tibial platform design

Designed according to the anatomical shape of the left and right tibial plateau in Asian populations to provide better tibial plateau coverage.

Rotating Platform

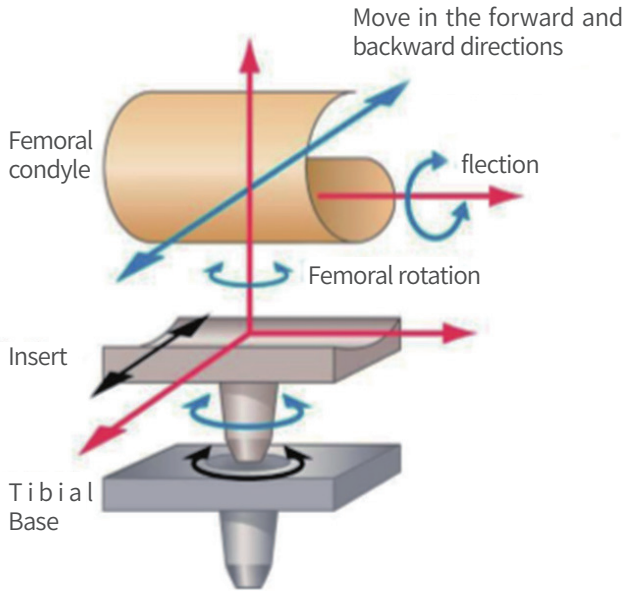


Tibial component Rotating tibial platform (RP)			
code	size	code	size
08.302.11.9604130202	2#	08.302.11.9604130206	6#
08.302.11.9604130203	3#	08.302.11.9604130207	7#
08.302.11.9604130204	4#	08.302.11.9604130208	8#
08.302.11.9604130205	5#		

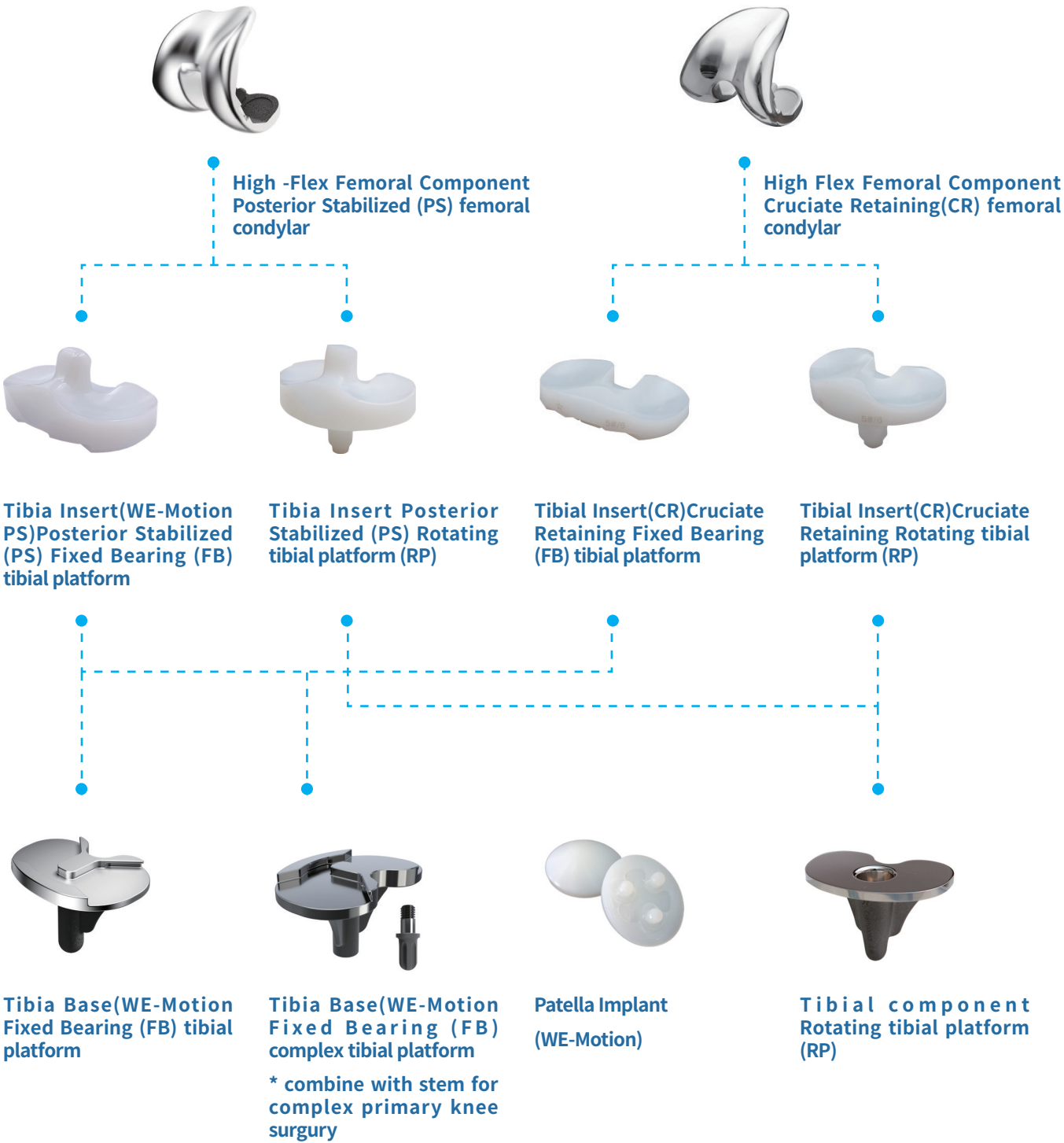
- 01. Address wear problems
- 02. Address loosen problems
- 03. Address the problem of bad alignment

Rotating Platform

The rotating platform is decomposed into two forces of the upper surface and the lower surface. The upper surface is front and back wear, and the lower surface is axial wear



WE-Motion Knee System



GKRV Revision Knee (Constrained Condylar Knee)



- Offset Stem Adapters (2/4/6mm)
- Stem Extensions, 7-18 mm diameter, (30/50/80/100/120 length)
- Femur distal Block Augmentation (5, 10 mm thicknesses)
- Femur posterior Block Augmentation(5mm,10mm)
- Tibia Block Augmentation(5mm,10mm)
- screws

GKRV femoral condyle



- Femoral sizes increase A/P by an average of 2.4 mm and M/L by 2.6 mm across all 7 sizes, 9 mm distal and posterior implant thicknesses

GKRV femoral condyle



- Cobalt-chromium-molybdenum alloy
- cement fixed
- Outside contour, A/P and L/R diameter data for each femoral condyle model are exactly the same as those for the primary replacement knee prosthesis
- GKRV femur has a 7° stem valgus angle which accepts offset stem adapters and/or multiple stem lengths in straight versions to match the patient's anatomy
- The intercondylar box is deep and wide to accommodate the wider bearing insert post



- The wider proximal trochlear groove offers excellent patellar tracking (within 0 –15 ° of valgus) regardless of the patient's Q-angle
- Trochlear groove has been designed to sweep back posteriorly for better patellar performance

GKRV Femoral Design Features



- Narrow anterior flange maintains a small profile to reduce the likelihood of femoral overhang
- Rounded anterior flange corners minimize soft tissue irritation
- Relative to the stem, on average, posterior condyles change 2 mm while the anterior flange changes 0.4 mm between sizes. Increasing femoral size can aid in tightening the flexion gap



- Revision Knee System provides a fully congruent (coronally), moderately dished articulation to reduce polyethylene stresses, while still allowing physiological motion.
- The 1:1 condylar geometry provides surgical flexibility by allowing complete tibial-femoral Interchangeability
- Any femur model and any tibia model can be matched

Tibia Baseplate Design Features

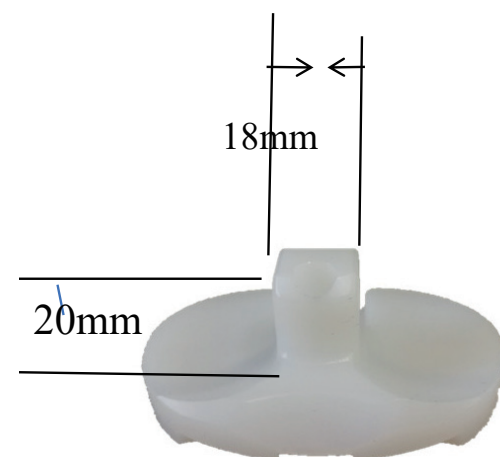


- Cobalt-chromium-molybdenum alloy
- symmetrical baseplates.
- Five models
- The high-polished surface design minimizes wear on the back side



- The central locking, antero-posterior snap-on design effectively avoid micro-movement and increase stability at the same time.
- The design of the wing increase mechanical strength and to resist rotational stability

Tibia bearing Design Features



- UHMWPE
- PS constrained tibia bearing , wide 18mm and high 20mm post
- Allow for 0.5 ° of internal/external rotation and 2 ° of varus/valgus lift off.
- Tibial Bearings have a deep anterior relief to accommodate the patella tendon during high flexion
- central and antero-posterior snap-on lock at tibia baseplate
- Screws lock in for added stability through the holes in the post
- There are 5 models bearing, which can be used one-to-one with 5 tibial baseplate models, and each bearing has 4 thicknesses

Stem Extensions



- Titanium alloy
- Cement fixed
- Used for both femur or tibial prostheses
- Stem extensions with grooved design provides anti-rotation stability
- Morse-type taper and screw fixation ensure a strong connection between the prosthesis and stem extensions
- Lengths (30.50.80.100.120mm), 11 diameters (7 - 18 mm)

Offset Stem Adapters



- Titanium alloy
- Modular Offset Stem Adapters are available in 2.4.6 mm magnitudes. Length 25mm.
- It can be rotated 360°, can be positioned in any direction to allow precise tibial component placement.
- Adapters accept multiple stem options and can be used with both the femur and tibia
- Taper connection with locking screws to prevent displacement

Femoral Block Augmentation



- Individual distal (5, 10 mm thicknesses) and posterior (5 and 10 mm thicknesses) augment blocks are available for patients with inadequate bone stock .
- Femoral Augments are made from a titanium alloy and attached to the femoral component with titanium screws.
- Distal and Posterior blocks are universal and can be used on either the medial or lateral side of the femur.

Proximal Tibia Block Augmentation



- Titanium alloy
- Individual Proximal tibia (5, 10 mm thicknesses) augment blocks are available for patients with inadequate bone stock .
- attached to Proximal Tibia Block Augmentation component with titanium screws.
- Left and Right The proximal tibial augment blocks respectively

GKRV Revision knee specification

GKRV Femoral			
code	size		
08.302.63.3002-0101	1L	08.302.63.3002-0111	1R
08.302.63.3002-0102	2L	08.302.63.3002-0112	2R
08.302.63.3002-0103	3L	08.302.63.3002-0113	3R
08.302.63.3002-0104	4L	08.302.63.3002-0114	4R
08.302.63.3002-0105	5L	08.302.63.3002-0115	5R
08.302.63.3002-0106	6L	08.302.63.3002-0116	6R
08.302.63.3002-0107	7L	08.302.63.3002-0117	7R

GKPS II Tibia baseplate			
code	size		
08.302.63.3014-2001	1+	08.302.63.3014-2004	4+
08.302.63.3014-2002	2+	08.302.63.3014-2005	5+
08.302.63.3014-2003	3+		

GKRV Femoral			
code	size		
08.302.53.3013-0111	1.5+/10	08.302.53.3013-0134	4.5+/14
08.302.53.3013-0112	2.5+/10	08.302.53.3013-0135	5.5+/14
08.302.53.3013-0113	3.5+/10	08.302.53.3013-0141	1.5+/16
08.302.53.3013-0114	4.5+/10	08.302.53.3013-0142	2.5+/16
08.302.53.3013-0115	5.5+/10	08.302.53.3013-0143	3.5+/16
08.302.53.3013-0121	1.5+/12	08.302.53.3013-0144	4.5+/16
08.302.53.3013-0122	2.5+/12	08.302.53.3013-0145	5.5+/16
08.302.53.3013-0123	3.5+/12	08.302.53.3013-0151	1.5+/18
08.302.53.3013-0124	4.5+/12	08.302.53.3013-0152	2.5+/18
08.302.53.3013-0125	5.5+/12	08.302.53.3013-0153	3.5+/18
08.302.53.3013-0131	1.5+/14	08.302.53.3013-0154	4.5+/18
08.302.53.3013-0132	2.5+/14	08.302.53.3013-0155	5.5+/18
08.302.53.3013-0133	3.5+/14		

GKRV Revision knee specification

Stem Extensions			
code	size		
08.302.53.3029-0311	30*11mm	08.302.53.3029-1012	100*12mm
08.302.53.3029-0511	50*11mm	08.302.53.3029-1014	100*14mm
08.302.53.3029-0807	80*7mm	08.302.53.3029-1016	100*16mm
08.302.53.3029-0808	80*8mm	08.302.53.3029-1018	100*18mm
08.302.53.3029-0809	80*9mm	08.302.53.3029-1207	120*7mm
08.302.53.3029-0810	80*10mm	08.302.53.3029-1208	120*8mm
08.302.53.3029-0811	80*11mm	08.302.53.3029-1209	120*9mm
08.302.53.3029-0814	80×14mm	08.302.53.3029-1210	120*10mm
08.302.53.3029-0816	80×16mm	08.302.53.3029-1211	120*11mm
08.302.53.3029-1007	100*7mm	08.302.53.3029-1212	120*12mm
08.302.53.3029-1008	100*8mm	08.302.53.3029-1214	120*14mm
08.302.53.3029-1009	100*9mm	08.302.53.3029-1216	120*16mm
08.302.53.3029-1010	100*10mm	08.302.53.3029-1218	120*18mm
08.302.53.3029-1011	100*11mm		

Screws	
code	size
08.302.53.3029-0301	5*48

offset stem adapter	
code	size
08.302.63.3029-2502	25*18*2
08.302.63.3029-2504	25*18*4
08.302.63.3029-2506	25*18*6

Femoral distal augment blocks		
code	size	
08.302.63.3030-0210	1#/2#	10mm
08.302.63.3030-0215	1#/2#	5mm
08.302.63.3030-0230	3#/4#	10mm
08.302.63.3030-0235	3#/4#	5mm
08.302.63.3030-0250	5#/6#	10mm
08.302.63.3030-0255	5#/6#	5mm
08.302.63.3030-0270	7#	10mm
08.302.63.3030-0275	7#	5mm

Femoral posterior augment blocks		
code	size	
08.302.63.3030-0310	1#/2#	10mm
08.302.63.3030-0315	1#/2#	5mm
08.302.63.3030-0330	3#/4#	10mm
08.302.63.3030-0335	3#/4#	5mm
08.302.63.3030-0350	5#/6#	10mm
08.302.63.3030-0355	5#/6#	5mm
08.302.63.3030-0370	7#	10mm
08.302.63.3030-0375	7#	5mm

Femoral distal augment blocks		
code	size	
08.302.63.3030-0410	1-2#	10mmL
08.302.63.3030-0415	1-2#	5mmL
08.302.63.3030-0420	1-2#	10mmR
08.302.63.3030-0425	1-2#	5mmR
08.302.63.3030-0430	3-4#	10mmL
08.302.63.3030-0435	3-4#	5mmL
08.302.63.3030-0440	3-4#	10mmR
08.302.63.3030-0445	3-4#	5mmR
08.302.63.3030-0450	5#	10mmL
08.302.63.3030-0455	5#	5mmL
08.302.63.3030-0460	5#	10mmR
08.302.63.3030-0465	5#	5mmR

About WEGO JOINT

Wego joint combines classic and cutting-edge design concepts in the field of arthroplasty product , and inherits Weigao Orthopedics’ years of experience in the design, development and production of arthroplasty product .

Using the same imported raw materials, imported surface treatment and prosthesis processing technology as the international first-class brands, and under the cooperation and guidance of Chinese and American experts, the prosthesis size and more accurate and efficient tool system that are more in line with the anatomical characteristics of the Asian population are designed. To better serve doctors and patients in Asia.

Material supplied by global suppliers

The raw materials of Wego joint products are all purchased globally, and the imported suppliers and the same imported quality standards as the international first-line brands are selected. For example, the polyethylene tibial insert material is from QUADRANT Company of the United States, and its quality exceeds the requirements of ISO5834 and ASTM648.

Wego Joint will import high cross-linked polyethylene tibial insert with VE added to the market in the coming future.



Precision Machining

Wego is one of the largest manufacturing centers for orthopedic materials in China. Cooperate with world-renowned CNC precision machine suppliers, and there are more than 200 high-end machining centers from WILLEMIN(Swiss), CITIZEN(Japan), Mori Seiki,HASS(US), FADAL, DMG(Germany), Schuler and other companies to produce high quality products.

The processing accuracy requirements of Wego joint products are consistent with or even higher than those of international first-line brands, and it is the first to introduce German Schuler 5-axis CNC grinding technology and German flow particle grinding and polishing technology in China to ensure the complex design curve and surface of femur in WE-Motion knee joint system Polishing ultra-high finish requirements.



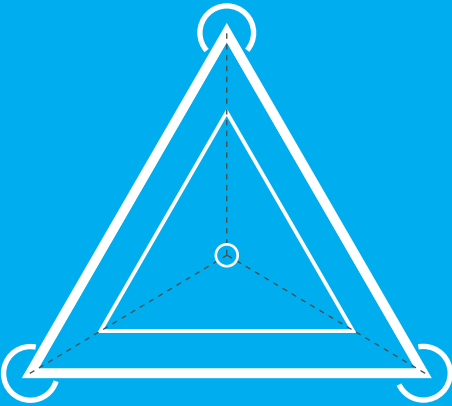
Strict testing standards

Wego joints are equipped with high-end imported equipments, such as MITUTOYO(Japan), Zeiss (Germany), and Hexagon(Sweden), such as contact/non-contact three-coordinate measuring instruments, image magnification measuring instruments,projectors, electronic roughness testers and universal material testing machines.

All Wego joint OGP products are 100% tested before releasing, focusing every detail to ensure that each product meets the requirements of design and manufacturing precision.



More than **200,000** prosthesis have been implanted worldwide in the past five years.



One of the most popular brand in China.

First-class quality, more conforming to Asian population design.