



# Products Catalog

INTEGRATED SOLUTIONS FOR COMPLEX AND TUMOR JOINT REPLACEMENT

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Version No.: 1.1

## COMPANY PROFILE

Beijing Lidakang Technology Co., Ltd. (hereinafter referred to as "Lidakang"), established in 1998, is a professional company specializing in the R&D, production, and sales of joint prostheses.

Lidakang was founded by Xu Yingchen, a senior engineer dedicated to the R&D of joint prostheses in the former Central Iron & Steel Research Institute. As early as in its startup stage, Lidakang successfully developed advanced domestic joint prostheses, pioneering the R&D of such products in China. With the participation in projects under the National Torch Program and the "13th Five-Year Plan", Lidakang has won the "Provincial Scientific and Technological Progress Award", the Second Prize for "2021 Medical Device Entrepreneurship Competition", and such honorary titles as "Technology-based SMED", "Beijing Scientific Research Institution", "National Little Giant Firm", and "China Top 100 Future Medical Device Innovation Enterprises". Moreover, it has also taken part in the formulation of group standards for 3D-printed medical devices under the organization of the China Association for Medical Devices Industry (CAMDI), laying a solid foundation for Lidakang to become a national brand that values quality, scientific research, and technology.

Over 26 years, Lidakang has successfully opened up the overseas market and developed into a modern high-tech manufacturer, with such affiliates as Lidakang Institute, R&D Center, Manufacturing Center, Marketing Center, 3D Printing Center, Quality Control Department, Bidding Department, Personnel Administration Department, and Finance Department. In addition to Production Permit and Operating Permit for Class III medical devices, it has also obtained registration certificates for Class I, Class II, and Class III medical devices, such as hip, knee, shoulder, elbow, and tumor prostheses. Having passed ISO 9001:2015 and ISO 13485:2016 certification, it boasts over 100 authorized patents. The UKA prosthesis and tantalum-coated femoral stem developed by Lidakang are the first products launched in China. Joint surgical robots are under R&D now.

Adhering to the aim of "Reach High for the Benefit of Patients", Lidakang has increasingly scaled up production with ever-growing strength.

In 2015, Lidakang Institute was set up in collaboration with top experts in the orthopedic field to customize comprehensive, standardized, and systematic education and training for medical staff in the orthopedic industry and patients suffering from bone diseases, and build a professional and convenient communication platform to strengthen cooperation with clinical experts and draw upon each other's resources. Moreover, Lidakang Institute is also committed to serving orthopedic clinicians and contributing its share in improving the diagnosis and treatment of joint diseases, striving to boost the growth of the orthopedic industry in China.

On the occasion of Lidakang's 20th anniversary in 2018, Lidakang Production and R&D Base was officially put into operation in Zhaoquanying Town, Shunyi District, Beijing. With a building area of more than 8,000 m<sup>2</sup>, it can achieve an annual production capacity of 100,000 joint prostheses. With the design of a production department for surgical instruments, it can meet increasing production demands with the rapid development of Lidakang in the future. In addition to the production workshop, purification and packaging workshop, testing laboratory, chemical examination laboratory, fluorescent flaw detection room, and CNAS laboratory, the base also possesses experts with abundant experience in the R&D of joint prostheses, professors dedicated to microporous materials for decades, and senior experts on nanomaterials. The young and professional talents have grown into Lidakang's greatest asset.

Over the years, Lidakang has cooperated with renowned domestic orthopedic experts and professors by virtue of its technical strength and developed multiple joint prostheses suitable for Chinese people based on advanced design concepts, accumulating a wealth of technical experience in the R&D and manufacturing of tumor prostheses. As one of the long-established joint prosthesis manufacturers in China, Lidakang has always been shouldering its social responsibility and has won extensive recognition by virtue of its excellent product quality and considerate service.



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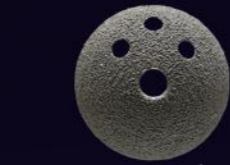
HIP JOINT IMPLANT SYSTEM



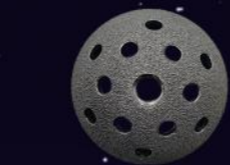
LAC-I  
Cementless Acetabular Cup



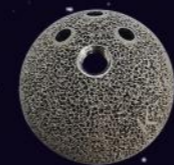
Bipolar Head



LAC-II  
Cementless Acetabular Cup



LAC-III  
Cementless Acetabular Cup



TAC-I Acetabular Cup



TAC-II Acetabular Cup



Trabecular Augment



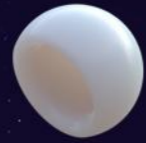
Acetabular Cage



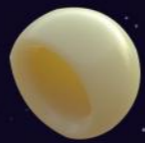
LAC-I PE Liner



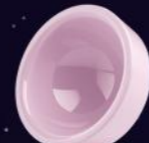
Dual Mobility Cup System  
CoCrMo Liner



Dual Mobility Cup System  
XLPE Liner



Dual Mobility Cup System  
VE Liner



Ceramic Liner



VE Liner



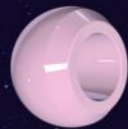
XLPE Liner



PE Liner



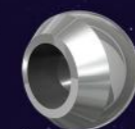
Cemented Acetabular Cup



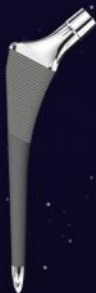
Ceramic Head



Revision Ceramic Head



Metal Head



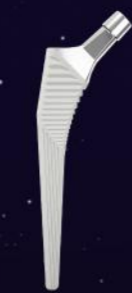
RSH



RML  
(Ti Coating)  
(127°/132°)



RML  
(HA Coating)  
(127°/132°)



RLH  
(HA Coating)



STH-I  
(Tantalum Coating)



RAH



RWH Cone



RCL



RCH



RRH



RCH Long

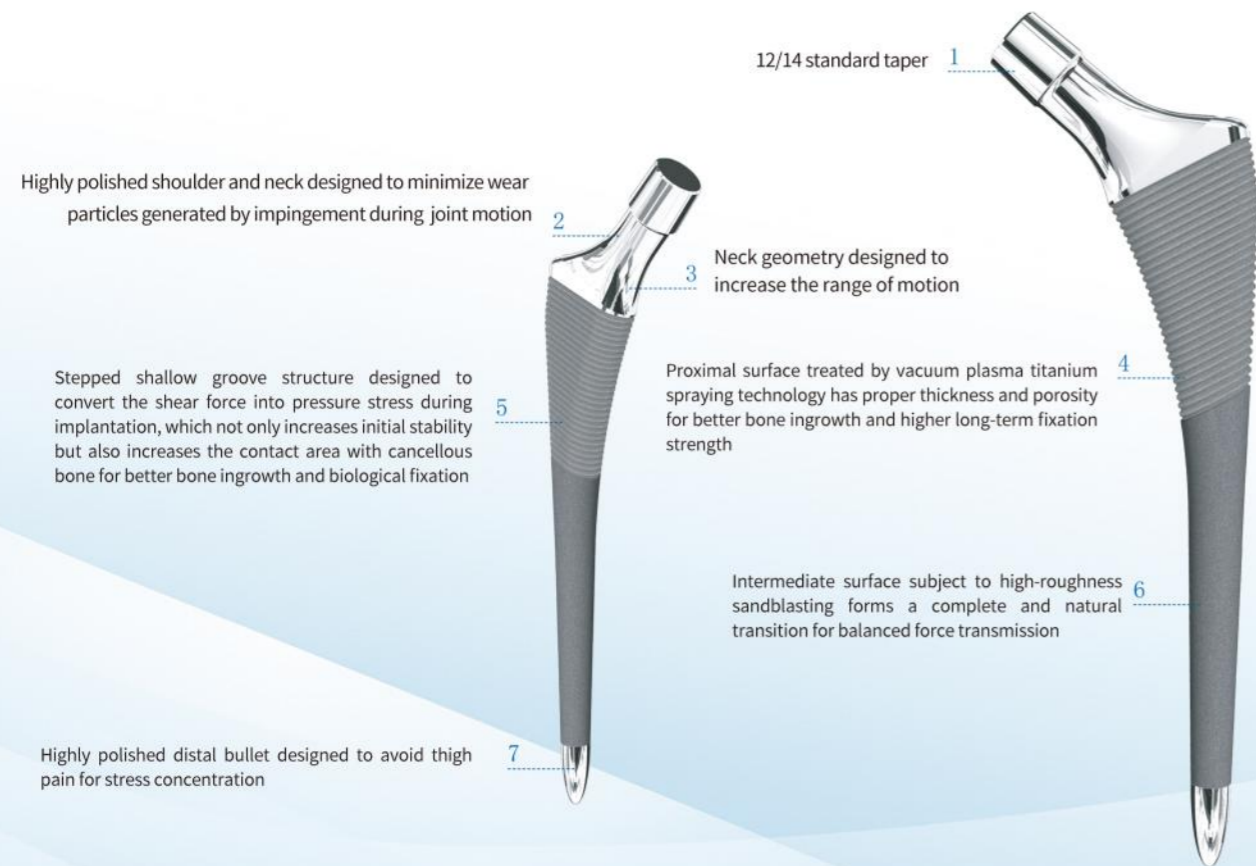


RWH



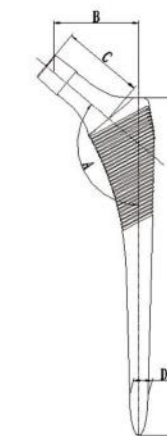
RMH Modular

# RSH Cementless Femoral Stem



## RSH Cementless Femoral Stem (130°)

| Cat. No. | Specification | Product Description  | Offset (B) | Neck Length (C) | Distal Dia. (D) | Stem Length (L) |
|----------|---------------|--|------------|-----------------|-----------------|-----------------|
| S40401   | 1#            | <b>Product Name:</b> RSH Cementless Femoral Stem<br><b>JX T1102D</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 36.4       | 35              | 7               | 141             |
| S40402   | 2#            |  | 38.8       | 37              | 8               | 147             |
| S40403   | 3#            |  | 38.8       | 37              | 9               | 152             |
| S40404   | 4#            |  | 40.8       | 39              | 10              | 157             |
| S40405   | 5#            |  | 40.8       | 39              | 11              | 162             |
| S40406   | 6#            |  | 42.8       | 41              | 12              | 168             |
| S40407   | 7#            |  | 42.8       | 41              | 13              | 174             |



## RML Cementless Femoral Stem



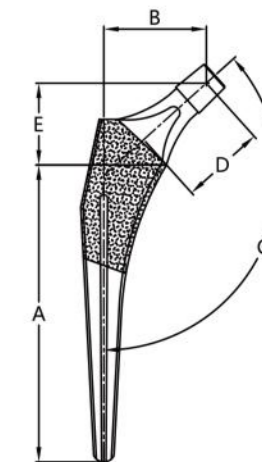
- ▶ Tapered Wedge design provides firm mediolateral stability within the femoral canal.
- ▶ Both 127° and 132° of Neck Shaft Angle are available.
- ▶ 24 sizes full length stem available in full profile and reduced distal options.
- ▶ Polished Anterior-Posterior Neck Flats increase ROM by geometrically reducing the potential for impingement of the neck with the cup.
- ▶ Flat Tapered Wedge Geometry Enhances proximal offloading and bone preservation and provides for rotational stability.
- ▶ Reduced Distal Transition Enhances implant fit in femoral canals with a proximal distal mismatch.

### RML Cementless Femoral Stem (132°)

| Cat. No. | Specification | Product Description   | Offset (B)   | Neck Length (D) | Stem Length (A) | Neck Height (E) | Distal Dia. |
|----------|---------------|---|--|-----------------|-----------------|-----------------|-------------|
| A4112-01 | 1#            | <b>Product Name:</b> RML<br>Cementless Femoral Stem<br><b>JX F1106D</b> | 36   | 31              | 110             | 30              | 5           |
| A4112-02 | 2#            |   | 37   | 31              | 115             | 30              | 7.5         |
| A4112-09 | 2.5#          |   | 38   | 31              | 118             | 30              | 9           |
| A4112-03 | 3#            |   | 42   | 36              | 120             | 33              | 10          |
| A4112-10 | 3.5#          |   | 42   | 36              | 124             | 33              | 11          |
| A4112-04 | 4#            |   | 43   | 36              | 125             | 34              | 12.5        |
| A4112-11 | 4.5#          |   | 44   | 36              | 129             | 34              | 13.5        |
| A4112-05 | 5#            |   | <b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 45              | 38              | 130             | 35          |
| A4112-12 | 5.5#          | 46  |  | 38              | 133             | 35              | 16.5        |
| A4112-06 | 6#            | 47  |  | 38              | 135             | 35              | 17.5        |
| A4112-07 | 7#            | 50  |  | 41              | 140             | 37              | 20          |
| A4112-08 | 8#            | 51  |  | 41              | 145             | 37              | 22.5        |

### RML Cementless Femoral Stem (127°)

| Cat. No. | Specification | Product Description   | Offset (B)   | Neck Length (D) | Stem Length (A) | Neck Height (E) | Distal Dia. |
|----------|---------------|---|--|-----------------|-----------------|-----------------|-------------|
| A4113-01 | 1#            | <b>Product Name:</b> RML<br>Cementless Femoral Stem<br><b>JX F1106B</b> | 39   | 31              | 110             | 27              | 5           |
| A4113-02 | 2#            |   | 40   | 31              | 115             | 27              | 7.5         |
| A4113-09 | 2.5#          |   | 41   | 31              | 118             | 27              | 9           |
| A4113-03 | 3#            |   | 45   | 36              | 120             | 30              | 10          |
| A4113-10 | 3.5#          |   | 46   | 36              | 124             | 30              | 11          |
| A4113-04 | 4#            |   | 47   | 36              | 125             | 30              | 12.5        |
| A4113-11 | 4.5#          |   | 48   | 36              | 129             | 30              | 13.5        |
| A4113-05 | 5#            |   | <b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 50              | 38              | 130             | 31          |
| A4113-12 | 5.5#          | 50  |  | 38              | 133             | 31              | 16.5        |
| A4113-06 | 6#            | 51  |  | 38              | 135             | 31              | 17.5        |
| A4113-07 | 7#            | 54  |  | 41              | 140             | 33              | 20          |
| A4113-08 | 8#            | 56  |  | 41              | 145             | 33              | 22.5        |



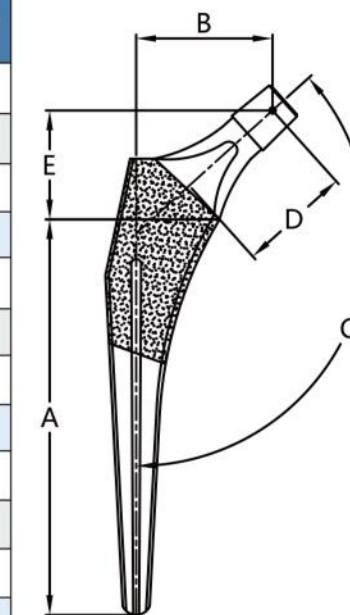
## RML Cementless Femoral Stem



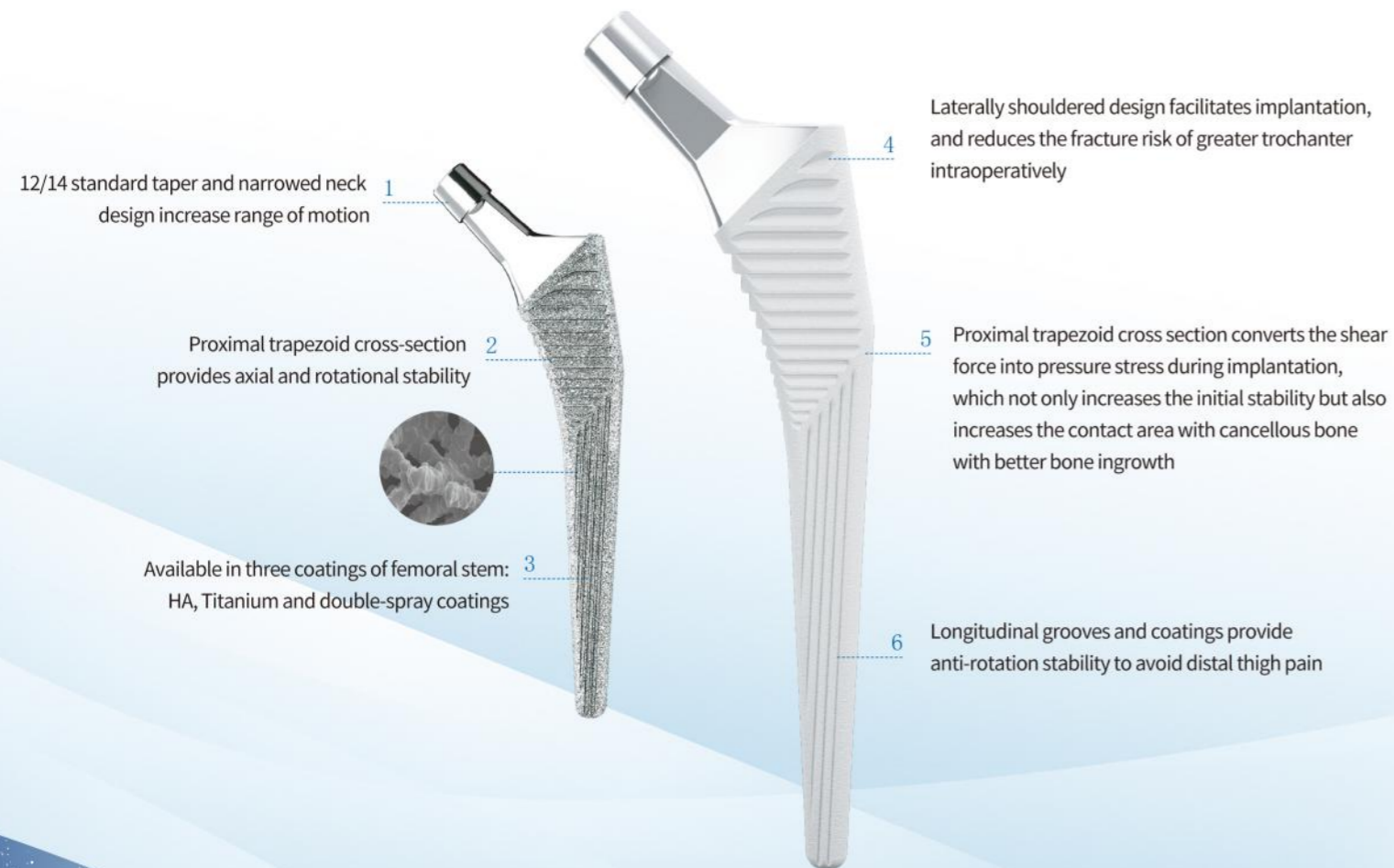
- Proximal Coating: Titanium Plasma Spray + HA Coating.
- Tapered Wedge design provides firm mediolateral stability within the femoral canal.
- Both 127° and 132° of Neck Shaft Angle are available.
- 24 sizes full length stem available in full profile and reduced distal options.
- Polished Anterior-Posterior Neck Flats increase ROM by geometrically reducing the potential for impingement of the neck with the cup.
- Flat Tapered Wedge Geometry Enhances proximal offloading and bone preservation and provides for rotational stability.
- Reduced Distal Transition Enhances implant fit in femoral canals with a proximal distal mismatch.

### RML Cementless Femoral Stem (132°)

| Cat. No. | Specification | Product Description   | Offset (B) | Neck Length (D) | Stem Length (A) | Neck Height (E) | Distal Dia. |
|----------|---------------|---|------------|-----------------|-----------------|-----------------|-------------|
| A4114-01 | 1#            | <b>Product Name:</b> RML<br>Cementless Femoral Stem<br><b>JX F1106F</b> | 36         | 31              | 110             | 30              | 5           |
| A4114-02 | 2#            |   | 37         | 31              | 115             | 30              | 7.5         |
| A4114-09 | 2.5#          |   | 38         | 31              | 118             | 30              | 9           |
| A4114-03 | 3#            |   | 42         | 36              | 120             | 33              | 10          |
| A4114-10 | 3.5#          |   | 42         | 36              | 124             | 33              | 11          |
| A4114-04 | 4#            |   | 43         | 36              | 125             | 34              | 12.5        |
| A4114-11 | 4.5#          |   | 44         | 36              | 129             | 34              | 13.5        |
| A4114-05 | 5#            |   | 45         | 38              | 130             | 35              | 15          |
| A4114-12 | 5.5#          |   | 46         | 38              | 133             | 35              | 16.5        |
| A4114-06 | 6#            |   | 47         | 38              | 135             | 35              | 17.5        |
| A4114-07 | 7#            |   | 50         | 41              | 140             | 37              | 20          |
| A4114-08 | 8#            |   | 51         | 41              | 145             | 37              | 22.5        |



# RLH Cementless Femoral Stem



1 12/14 standard taper and narrowed neck design increase range of motion

2 Proximal trapezoid cross-section provides axial and rotational stability

3 Available in three coatings of femoral stem: HA, Titanium and double-spray coatings

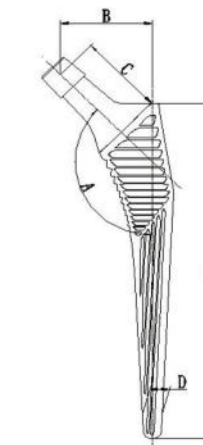
4 Laterally shouldered design facilitates implantation, and reduces the fracture risk of greater trochanter intraoperatively

5 Proximal trapezoid cross section converts the shear force into pressure stress during implantation, which not only increases the initial stability but also increases the contact area with cancellous bone with better bone ingrowth

6 Longitudinal grooves and coatings provide anti-rotation stability to avoid distal thigh pain

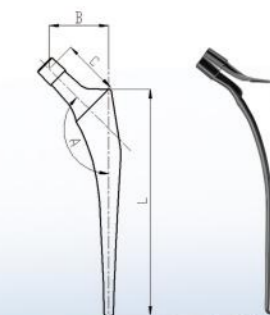
## RLH Cementless Femoral Stem(135°)

| Cat. No. | Specification | Product Description  | Offset (B) | Neck Length (C) | Stem Length (L) |
|----------|---------------|--|------------|-----------------|-----------------|
| S41701   | 1#            | <b>Product Name:</b> RLH Cementless Femoral Stem<br><b>JX T1103E</b><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> HA Coating | 32         | 30              | 120             |
| S41702   | 2#            |  | 34.5       | 33              | 130             |
| S41703   | 3#            |  | 37         | 35              | 140             |
| S41704   | 4#            |  | 37.5       | 35              | 145             |
| S41705   | 5#            |  | 38.5       | 35              | 150             |
| S41706   | 6#            |  | 41         | 37.5            | 155             |
| S41707   | 7#            |  | 41.5       | 37.5            | 160             |
| S41708   | 8#            |  | 42         | 37.5            | 165             |
| S41709   | 9#            |  | 43         | 37.5            | 170             |
| A4109D01 | 1#            | <b>Product Name:</b> RLH Cementless Femoral Stem<br><b>JX T1103D</b><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 32         | 30              | 120             |
| A4109D02 | 2#            |  | 34.5       | 33              | 130             |
| A4109D03 | 3#            |  | 37         | 35              | 140             |
| A4109D04 | 4#            |  | 37.5       | 35              | 145             |
| A4109D05 | 5#            |  | 38.5       | 35              | 150             |
| A4109D06 | 6#            |  | 41         | 37.5            | 155             |
| A4109D07 | 7#            |  | 41.5       | 37.5            | 160             |
| A4109D08 | 8#            |  | 42         | 37.5            | 165             |
| A4109D09 | 9#            |  | 43         | 37.5            | 170             |



## RCL Cemented Femoral Stem(135°)

| Cat. No. | Specification | Product Description   | Offset (B) | Neck Length (C) | Stem Length (L) |
|----------|---------------|---|------------|-----------------|-----------------|
| A425101  | 1#            | <b>Product Name:</b> RCL Cemented Femoral Stem<br><b>JX 1404H</b><br><b>Material:</b> CoCrMo<br><b>Surface:</b> High Polished | 32         | 30              | 115             |
| A425102  | 2#            |   | 34.5       | 33              | 130             |
| A425103  | 3#            |   | 37         | 35              | 140             |
| A425104  | 4#            |   | 37.5       | 35              | 145             |
| A425105  | 5#            |   | 38.5       | 35              | 150             |
| A425106  | 6#            |   | 41         | 37.5            | 155             |
| A425107  | 7#            |   | 41.5       | 37.5            | 160             |
| A425108  | 8#            |   | 42         | 37.5            | 165             |
| A425109  | 9#            |   | 43         | 37.5            | 170             |





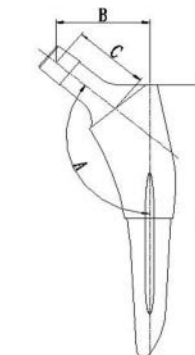
## STH-I Cementless Femoral Stem



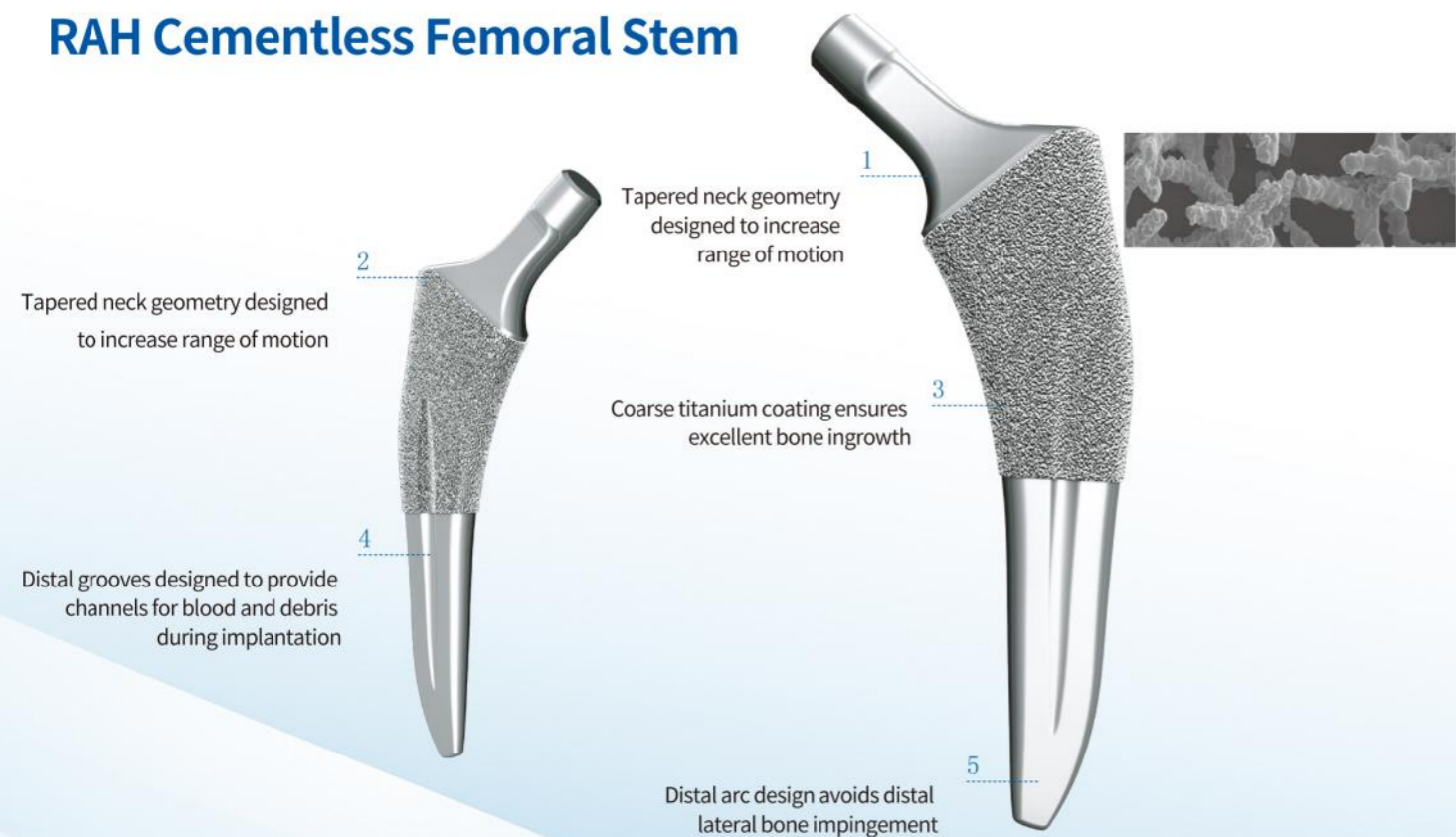
- ▶ Patented tantalum-coated spraying technology pioneered in China fills the gap in the application of new surface-active bacteriostatic bio-coating materials in the orthopedic field in China.
- ▶ Ensure stable, safe and reliable fixation to provide good initial stability.
- ▶ Tantalum with excellent corrosion resistance and biocompatibility provides excellent long-term stability.
- ▶ Narrowed lateral shoulder protects the greater trochanter, allowing for minimally invasive surgery and more bone preserving, creating infinite possibilities for the future of young patients.

## STH-I Cementless Femoral Stem (130°)

| Cat. No. | Specification | Product Description   | Offset (B) | Neck Length (C) | Stem Length (L) | Distal Dia. |
|----------|---------------|---|------------|-----------------|-----------------|-------------|
| 411001   | 1#            | <b>Product Name:</b> STH- I<br>Cementless Femoral Stem<br><b>JX 111</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Tantalum Coating | 35         | 29              | 119             | 8           |
| 411002   | 2#            |   | 36         | 29              | 120             | 9           |
| 411003   | 3#            |   | 37         | 31              | 120             | 10          |
| 411004   | 4#            |   | 37         | 31              | 122             | 11          |
| 411005   | 5#            |   | 39         | 32              | 124             | 12.2        |
| 411006   | 6#            |   | 39         | 32              | 126             | 13.5        |
| 411007   | 7#            |   | 41         | 34              | 128             | 14.8        |
| 411008   | 8#            |   | 41         | 34              | 130             | 15.2        |
| 411009   | 9#            |   | 43         | 36              | 132             | 16.2        |

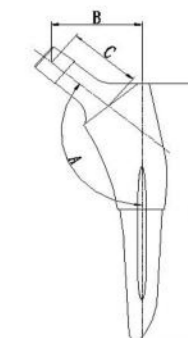


## RAH Cementless Femoral Stem



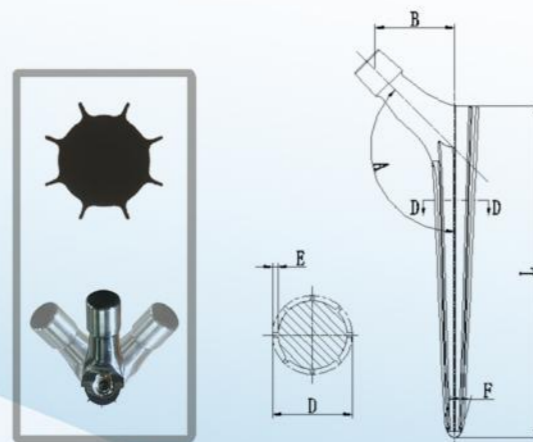
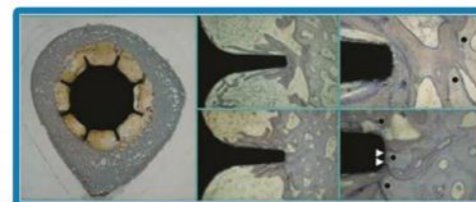
### RAH Cementless Femoral Stem (130°)

| Cat. No. | Specification | Product Description  | Offset (B) | Neck Length (C) | Stem Length (L) | Distal Dia. |
|----------|---------------|--|------------|-----------------|-----------------|-------------|
| S40401   | 1#            | <b>Product Name:</b> RAH Cementless Femoral Stem<br><b>JX F1104D</b><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 35         | 29              | 119             | 8           |
| S41402   | 2#            |  | 36         | 29              | 120             | 9           |
| S41403   | 3#            |  | 37         | 31              | 120             | 10          |
| S41404   | 4#            |  | 37         | 31              | 122             | 11          |
| S41405   | 5#            |  | 39         | 32              | 124             | 12.2        |
| S41406   | 6#            |  | 39         | 32              | 126             | 13.5        |
| S41407   | 7#            |  | 41         | 34              | 128             | 14.8        |
| S41408   | 8#            |  | 41         | 34              | 130             | 15.2        |
| S41409   | 9#            |  | 43         | 36              | 132             | 16.2        |



- ▶ New metaphyseal fixation principle utilized to maximize bone preserving on a stable, safe and long-term basis, creating infinite possibilities for the future of young patients.
- ▶ Narrowed anterior-posterior neck dimensions preserve bone supply and provide excellent anti-rotation stability.
- ▶ Available in various prosthesis models/sizes at the same intervals, allowing for better matching of the femoral marrow cavity and the reconstruction of limb length.

## RWH Cone Cementless Femoral Stem



- Eight longitudinal ridges effectively anchor the bone cortex, increase the body surface area, and provide better stability of the prosthesis and better rotational and axial stability.
- Conical body enables convenient adjustment of anteversion.
- The 5° taper facilitates implantation of the prosthesis in extremely narrow medullary canal and effectively prevents subsidence.
- Conical geometry provides better fixation effect and reduces the chance of thigh pain.

### RWH Cone Cementless Femoral Stem (135°)

| Cat. No. | Specification | Product Description   | Offset (B) | Stem Length (L) | Proximal Dia. (D) | Distal Dia. (F) | Rib Height (E) |
|----------|---------------|---|------------|-----------------|-------------------|-----------------|----------------|
| A4111A01 | 1#            | <b>Product Name:</b> RWH Cone Cementless Femoral Stem<br><b>JX F1105A</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 26.2       | 120             | 13                | 6.5             | 1.0            |
| A4111A02 | 2#            |   | 29.7       | 125             | 14                | 6.7             | 1.0            |
| A4111A03 | 3#            |   | 30.4       | 126             | 15                | 7.7             | 1.0            |
| A4111A04 | 4#            |   | 31.1       |                 | 16                | 9               | 1.5            |
| A4111A05 | 5#            |   | 31.8       |                 | 17                | 10              | 1.5            |
| A4111A06 | 6#            |   | 32.5       |                 | 18                | 11              | 1.5            |
| A4111A07 | 7#            |   | 33.2       | 127             | 19                | 12              | 2.0            |
| A4111A08 | 8#            |   | 33.9       |                 | 20                | 13              | 2.0            |
| A4111A09 | 9#            |   | 34.7       |                 | 21                | 14              | 2.0            |
| A4111A10 | 10#           |   | 35.4       |                 | 22                | 15              | 2.0            |

## RCH Cemented Femoral Stem



1 Available in standard and long femoral stems for primary and revision surgery

2 Neck geometry to increase the range of motion

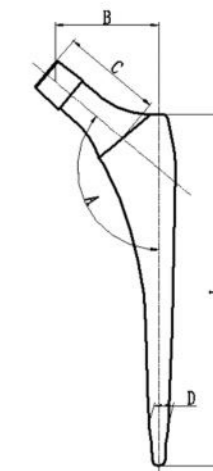
3 Collarless and three-dimensional conical design increases compaction with pressure during subsidence, causing self-locking

4 Highly-polished surface greatly reduces the wear between the prosthesis and the cement mantle

5 Receptacle design of the distal centralizer not only ensures centralization of the prosthesis but also allows for a certain space for subsidence

### RCH Cemented Femoral Stem (130°)

| Cat. No. | Specification | Product Description   | Offset (B) | Neck Length (C) | Stem Length (L) | Distal Dia. |
|----------|---------------|---|------------|-----------------|-----------------|-------------|
| SC40505  | 1#            | <b>Product Name:</b> RCH Cemented Femoral Stem<br><b>JX 1401H</b><br><b>Material:</b> CoCrMo<br><b>Surface:</b> High Polished | 36.4       | 35              | 120             | 7           |
| SC40506  | 2#            |   | 38.4       | 37              | 125             | 7           |
| SC40507  | 3#            |   | 38.4       | 37              | 130             | 7.5         |
| SC40508  | 4#            |   | 40.5       | 39              | 140             | 8           |
| SC40509  | 5#            |   | 40.5       | 39              | 145             | 8.5         |
| SC40510  | 6#            |   | 42.4       | 41              | 150             | 9           |
| SC40511  | 7#            |   | 42.4       | 41              | 155             | 10          |



### RCH Long Cemented Femoral Stem (130°)

| Cat. No. | Specification | Product Description  | Offset (B) | Neck Length (C) | Stem Length (L) | Distal Dia. |
|----------|---------------|--|------------|-----------------|-----------------|-------------|
| SC40507L | 3#            | <b>Product Name:</b> RCH Long Cemented Femoral Stem<br><b>JX 1403H</b><br><b>Material:</b> CoCrMo<br><b>Surface:</b> High Polished | 38.4       | 37              | 180             | 8           |
| SC40508L | 4#            |  | 40.5       | 39              | 190             | 8           |
| SC40509L | 5#            |  | 40.5       | 39              | 200             | 8.5         |
| SC40510L | 6#            |  | 42.4       | 41              | 210             | 9           |
| SC40511L | 7#            |  | 42.4       | 41              | 220             | 9           |

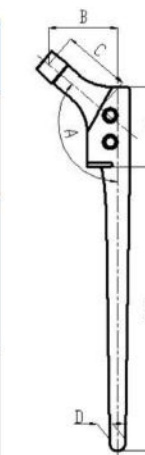
## RRH Cemented Femoral Stem



- 12/14 standard taper.
- The through-hole design at the proximal end of the stem facilitates the reconstruction of greater trochanter fractures and preserves the function of the abductor muscles to the greatest extent.
- According to the condition of femoral calcar defect, choose different types of proximal prostheses.
- Combined with current bone cement application technology to provide the best fixation.

## RRH Cemented Femoral Stem (130°)

| Cat. No.  | Specification | Product Description  | Offset (B) | Neck Length (C) | Proximal Stem Length(L1) | Stem Length (L2) | Distal Dia. |
|-----------|---------------|--|------------|-----------------|--------------------------|------------------|-------------|
| 41125-180 | 1#            | <b>Product Name:</b><br>RRH Cemented Femoral Stem<br><b>JX 1201A</b><br><br><b>Material:</b> CoCrMo<br><b>Surface:</b> High Polished | 38         | 32.5            | 25                       | 180              | 9           |
| 41135-160 | 2#            |  | 38         | 32.5            | 35                       | 160              | 9           |
| 41145-160 | 3#            |  | 36         | 34.5            | 45                       | 160              | 9           |



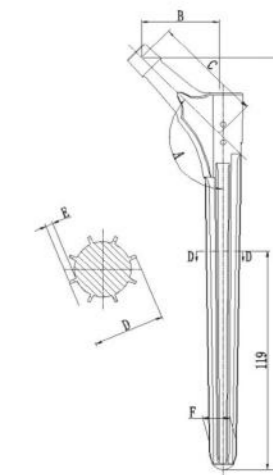
## RWH Cementless Femoral Stem



- Forged titanium alloy, and monoblock conical stem.
- Designed for secure fixation by means of longitudinal ribs and 2° taper and allow for intraoperative anteversion adjustment.
- Eight longitudinal ribs provide rotational stability.
- Various implant lengths are available (190 - 265 mm).
- Simple and precise tools.
- Clinically proven design with over 20 years of clinical experience.
- The revision stem design is recommended as the first choice by the Swedish Arthroplasty Register.

## RWH Cementless Femoral Stem (135°)

| Cat. No.   | Specification | Product Description  | Offset (B) | Neck Length (C) | Stem Length (L) | Dia. (D) | Distal Dia. (F) |
|------------|---------------|--|------------|-----------------|-----------------|----------|-----------------|
| 42314-190L | 1#/190        | <b>Product Name:</b> RWH Cementless Femoral Stem<br><b>JX F1103A</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 42         | 59              | 190             | 14       | 10.4            |
| 42315-190L | 2#/190        |  | 42         | 59              |                 | 15       | 11.4            |
| 42316-190L | 3#/190        |  | 42         | 59              |                 | 16       | 12.4            |
| 42317-190L | 4#/190        |  | 42         | 59              |                 | 17       | 13.4            |
| 42318-190L | 5#/190        |  | 44         | 62              |                 | 18       | 14.4            |
| 42319-190L | 6#/190        |  | 44         | 62              |                 | 19       | 15.4            |
| 42320-190L | 7#/190        |  | 44         | 62              |                 | 20       | 16.4            |
| 42321-190L | 8#/190        |  | 42         | 59              |                 | 12       | 8.4             |
| 42322-190L | 9#/190        |  | 42         | 59              |                 | 13       | 9.4             |
| 42314-225L | 1#/225        |  | 42         | 59              | 225             | 14       | 10.4            |
| 42315-225L | 2#/225        |  | 42         | 59              |                 | 15       | 11.4            |
| 42316-225L | 3#/225        |  | 42         | 59              |                 | 16       | 12.4            |
| 42317-225L | 4#/225        |  | 42         | 59              |                 | 17       | 13.4            |
| 42318-225L | 5#/225        |  | 44         | 62              |                 | 18       | 14.4            |
| 42319-225L | 6#/225        |  | 44         | 62              |                 | 19       | 15.4            |
| 42320-225L | 7#/225        |  | 44         | 62              |                 | 20       | 16.4            |
| 42321-225L | 8#/225        |  | 44         | 62              |                 | 21       | 17.4            |
| 42322-225L | 9#/225        |  | 46         | 64              |                 | 22       | 18.4            |
| 42314-265L | 1#/265        |  | 42         | 59              | 265             | 14       | 10.4            |
| 42315-265L | 2#/265        |  | 42         | 59              |                 | 15       | 11.4            |
| 42316-265L | 3#/265        |  | 42         | 59              |                 | 16       | 12.4            |
| 42317-265L | 4#/265        |  | 42         | 59              |                 | 17       | 13.4            |
| 42318-265L | 5#/265        |  | 44         | 62              |                 | 18       | 14.4            |
| 42319-265L | 6#/265        |  | 44         | 62              |                 | 19       | 15.4            |
| 42320-265L | 7#/265        |  | 44         | 62              |                 | 20       | 16.4            |
| 42321-265L | 8#/265        | 44   | 62         | 21              |                 | 17.4     |                 |
| 42322-265L | 9#/265        | 46   | 65         | 22              |                 | 18.4     |                 |
| 42323-265L | 10#/265       | 46   | 65         | 23              |                 | 19.4     |                 |



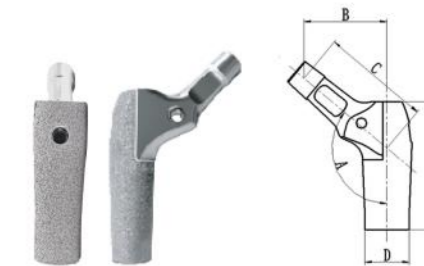
## RMH Modular Femoral System

- Rough coating of proximal stem ensures long-term results.
- 3 degree tapered design to prevent subsidence.
- Eight distal longitudinal ridges increase the initial stability and anti-rotation properties.
- Straight and eccentric distal femoral stems accommodate more complex medullary canal.
- Arbitrary combination of proximal and distal stem accommodates various needs.
- Trochanteric grips for proximal stem can directly fix the trochanteric bone fragment to the prosthesis.



### RMH Proximal Femoral Stem (130°)

| Cat. No.   | Specification | Product Description   | Offset (B) | Neck Length (C) | Proximal Dia. (D) | Stem Length (L) |
|------------|---------------|---|------------|-----------------|-------------------|-----------------|
| A4200-2050 | φ20x50mm      | <b>Product Name:</b> RMH Proximal Femoral Stem<br><b>XF 1203D</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 39         | 51              | 21                | 50              |
| A4200-2250 | φ22x50mm      |   | 41         | 53.5            | 22.5              |                 |
| A4200-2060 | φ20x60mm      |   | 39         | 51              | 21                | 60              |
| A4200-2260 | φ22x60mm      |   | 41         | 53.5            | 22.5              |                 |
| A4200-2460 | φ24x60mm      |   | 43         | 56              | 24.5              |                 |
| A4200-2070 | φ20x70mm      |   | 39         | 51              | 21                | 70              |
| A4200-2270 | φ22x70mm      |   | 41         | 53.5            | 22.5              |                 |
| A4200-2470 | φ24x70mm      |   | 43         | 56              | 24.5              | 80              |
| A4200-2080 | φ20x80mm      |   | 39         | 51              | 21                |                 |
| A4200-2280 | φ22x80mm      |   | 41         | 53.5            | 22.5              |                 |
| A4200-2480 | φ24x80mm      | 43  | 56         | 24.5            |                   |                 |



### RMH Trochanter Claw

| Cat. No.     | Specification | Product Description   | Width (mm) |
|--------------|---------------|---|------------|
| A4771-160100 | L100mm        | <b>Product Name:</b> RMH Trochanter Claw<br><b>JX 6601</b><br><b>Material:</b> TA2G | 16         |
| A4771-175102 | L102mm        |   | 17.5       |



### RMH Screw

| Cat. No.   | Specification | Product Description  | Dia. | Length (mm) |
|------------|---------------|--|------|-------------|
| A4850-6030 | φ6x30         | <b>Product Name:</b> RMH Screw<br><b>JX 6301</b><br><br><b>Material:</b> Ti6Al4V | 6    | 30          |
| A4850-6035 | φ6x35         |  |      | 35          |
| A4850-6040 | φ6x40         |  |      | 40          |
| A4850-6045 | φ6x45         |  |      | 45          |
| A4850-6050 | φ6x50         |  |      | 50          |
| A4850-6055 | φ6x55         |  |      | 55          |
| A4850-6060 | φ6x60         |  |      | 60          |



### RMH Locking Screw

| Cat. No.   | Specification | Product Description  | Length (mm) |
|------------|---------------|--|-------------|
| A4853-6013 | φ6x13         | <b>Product Name:</b> RMH Locking Screw<br><b>JX 6401</b><br><b>Material:</b> Ti6Al4V | 13mm        |

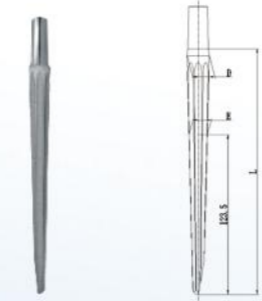
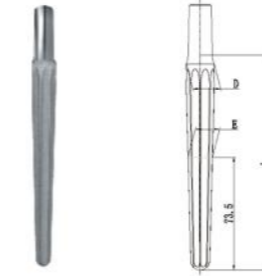


## RMH Distal Femoral Stem

| Cat. No.    | Specification | Product Description  | Distal Dia. (E) | Stem Length (L) |
|-------------|---------------|--|-----------------|-----------------|
| A4790-12140 | φ14mmx135mm   | <b>Product Name:</b> RMH Distal Femoral Stem<br><b>XF1305D</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 12              | 140             |
| A4790-13140 | φ15mmx135mm   |  | 13              |                 |
| A4790-14140 | φ16mmx135mm   |  | 14              |                 |
| A4790-15140 | φ17mmx135mm   |  | 15              |                 |
| A4790-16140 | φ18mmx135mm   |  | 16              |                 |
| A4790-17140 | φ19mmx135mm   |  | 17              |                 |
| A4790-18140 | φ20mmx135mm   |  | 18              |                 |
| A4790-19140 | φ21mmx135mm   |  | 19              |                 |
| A4790-20140 | φ22mmx135mm   |  | 20              |                 |
| A4790-21140 | φ23mmx135mm   |  | 21              |                 |
| A4790-22140 | φ24mmx135mm   | 22   |                 |                 |
| A4790-23140 | φ25mmx135mm   | 23   |                 |                 |

| Cat. No.    | Specification | Product Description  | Distal Dia. (E) | Stem Length (L) |
|-------------|---------------|--|-----------------|-----------------|
| A4790-12190 | φ14mmx185mm   | <b>Product Name:</b> RMH Distal Femoral Stem<br><b>XF1305D</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 12              | 190             |
| A4790-13190 | φ15mmx185mm   |  | 13              |                 |
| A4790-14190 | φ16mmx185mm   |  | 14              |                 |
| A4790-15190 | φ17mmx185mm   |  | 15              |                 |
| A4790-16190 | φ18mmx185mm   |  | 16              |                 |
| A4790-17190 | φ19mmx185mm   |  | 17              |                 |
| A4790-18190 | φ20mmx185mm   |  | 18              |                 |
| A4790-19190 | φ21mmx185mm   |  | 19              |                 |
| A4790-20190 | φ22mmx185mm   |  | 20              |                 |
| A4790-21190 | φ23mmx185mm   |  | 21              |                 |
| A4790-22190 | φ24mmx185mm   | 22   |                 |                 |
| A4790-23190 | φ25mmx185mm   | 23   |                 |                 |

| Cat. No.    | Specification | Product Description  | Distal Dia. (E) | Stem Length (L) |
|-------------|---------------|--|-----------------|-----------------|
| A4790-12250 | φ14mmx245mm   | <b>Product Name:</b> RMH Distal Femoral Stem<br><b>XF1305D</b><br><br><b>Material:</b> Ti6Al4V<br><b>Surface:</b> Ti Coating | 12              | 250             |
| A4790-13250 | φ15mmx245mm   |  | 13              |                 |
| A4790-14250 | φ16mmx245mm   |  | 14              |                 |
| A4790-15250 | φ17mmx245mm   |  | 15              |                 |
| A4790-16250 | φ18mmx245mm   |  | 16              |                 |
| A4790-17250 | φ19mmx245mm   |  | 17              |                 |
| A4790-18250 | φ20mmx245mm   |  | 18              |                 |
| A4790-19250 | φ21mmx245mm   |  | 19              |                 |
| A4790-20250 | φ22mmx245mm   |  | 20              |                 |
| A4790-21250 | φ23mmx245mm   |  | 21              |                 |
| A4790-22250 | φ24mmx245mm   | 22   |                 |                 |
| A4790-23250 | φ25mmx245mm   | 23   |                 |                 |



## Titanium Cable

### JX 6901

- Diameter 1.7 mm - suitable for periprosthetic fracture
- Diameter 1.2 mm - suitable for trauma surgery
- Length: 500 mm



## Screw

| Cat. No.   | Specification | Product Description  | Length (mm) |
|------------|---------------|--|-------------|
| A4851-5515 | φ5.5X15       | <b>Product Name:</b> Screw<br><b>JX 5301</b><br><br><b>Material:</b> Ti6Al4V | 15          |
| A4851-5520 | φ5.5X20       |  | 20          |
| A4851-5525 | φ5.5X25       |  | 25          |
| A4851-5530 | φ5.5X30       |  | 30          |
| A4851-5535 | φ5.5X35       |  | 35          |
| A4851-5540 | φ5.5X40       |  | 40          |
| A4851-5545 | φ5.5X45       |  | 45          |
| A4851-5550 | φ5.5X50       |  | 50          |
| A4851-5555 | φ5.5X55       |  | 55          |
| A4851-5560 | φ5.5X60       |  | 60          |





# Acetabular System



## LAC- I Cementless Acetabular Cup

| Cat. No. | Specification | Product Description   | Matched Liner Size (LAC- I PE Liner) | Matched Head Dia. |
|----------|---------------|---|--------------------------------------|-------------------|
| C2044B   | 44#           | <b>Product Name:</b> LAC-I Cementless Acetabular Cup<br><b>JX 2102D</b><br><br><b>Material:</b> TA2G<br><b>Surface:</b> Ti Coating<br><br><b>Matched Liner:</b> LAC- I PE Liner JX 3102 | 44/28                                | 28                |
| C2046B   | 46#           |   | 46/28                                | 28                |
| C2048B   | 48#           |   | 48/28                                | 28                |
| C2050B   | 50#           |   | 50/28                                | 28                |
| C2052B   | 52#           |   | 52/28, 52/32                         | 28/32             |
| C2054B   | 54#           |   | 54/28, 54/32                         | 28/32             |
| C2056B   | 56#           |   | 56/28, 56/32                         | 28/32             |
| C2058B   | 58#           |   | 58/28, 58/32                         | 28/32             |
| C2060B   | 60#           |   | 60/28, 60/32                         | 28/32             |
| C2062B   | 62#           |   | 62/28, 62/32                         | 28/32             |
| C2064B   | 64#           | 64/28, 64/32  | 28/32                                |                   |

## LAC- I PE Liner

| Cat. No.   | Specification | Product Description  | Matched Cup Size (LAC- I Cementless Acetabular Cup) | Matched Head Dia. |
|------------|---------------|--|---|-------------------|
| C3044BF    | 44/28         | <b>Product Name:</b> LAC-I PE Liner<br><b>JX 3102</b><br><br><b>Material:</b> UHMWPE (Ultrahigh molecular weight polyethylene)<br><br><b>Matched Cup:</b> LAC- I Cementless Acetabular Cup JX2102D | 44#   | 28                |
| C3046BF    | 46/28         |  | 46#   | 28                |
| C3048BF    | 48/28         |  | 48#   | 28                |
| C3050BF    | 50/28         |  | 50#   | 28                |
| C3052BF    | 52/28         |  | 52#   | 28                |
| C3054BF    | 54/28         |  | 54#   | 28                |
| C3056BF    | 56/28         |  | 56#   | 28                |
| C3058BF    | 58/28         |  | 58#   | 28                |
| C3060BF    | 60/28         |  | 60#   | 28                |
| C3062BF    | 62/28         |  | 62#   | 28                |
| C3064BF    | 64/28         | 64#  | 28  |                   |
| A4566-5232 | 52/32         |  | 52#   | 32                |
| A4566-5432 | 54/32         |  | 54#   | 32                |
| A4566-5632 | 56/32         |  | 56#   | 32                |
| A4566-5832 | 58/32         |  | 58#   | 32                |
| A4566-6032 | 60/32         |  | 60#   | 32                |
| A4566-6232 | 62/32         |  | 62#   | 32                |
| A4566-6432 | 64/32         |  | 64#   | 32                |



## LAC-II Cementless Acetabular Cup

| Cat. No. | Specification | Product Description   | Matched Liner Size (LAC- II PE Liner) | Matched Liner Size (XLPE Liner/VE Liner) | Matched Liner Size (Ceramic Liner) | Matched Head Dia. |
|----------|---------------|---|---------------------------------------|--|------------------------------------|-------------------|
| A4207D38 | 38#           | <b>Product Name:</b> LAC-II Cementless Acetabular Cup<br><b>JX 2601D</b><br><br><b>Material:</b> TA2G<br><b>Surface:</b> Ti Coating<br><br><b>Matched Liner:</b> LAC- II PE Liner JX 3801, XLPE Liner JX 31101, VE Liner JX 321, Ceramic Liner JX 63001 | 38/22                                 | -  | -                                  | 22                |
| A4207D40 | 40#           |   | 40/22                                 | -  | -                                  | 22                |
| A4207D42 | 42#           |   | 42/22                                 | -  | -                                  | 22                |
| A4207D44 | 44#           |   | 44/28                                 | 44/28                                    | 28/36                              | 28                |
| A4207D46 | 46#           |   | 46/28                                 | 46/28                                    | 28/38                              | 28                |
| A4207D48 | 48#           |   | 48/28                                 | 48/32                                    | 32/40                              | 28/32             |
| A4207D50 | 50#           |   | 50/32                                 | 50/32                                    | 32/42                              | 32                |
| A4207D52 | 52#           |   | 52/32                                 | 52/36                                    | 36/44                              | 32/36             |
| A4207D54 | 54#           |   | 54/32                                 | 54/36                                    | 36/46                              |                   |
| A4207D56 | 56#           |   | 56/32                                 | 56/36                                    | 36/48                              |                   |
| A4207D58 | 58#           | 58/32   | 58/36                                 | 36/50                                    |                                    |                   |
| A4207D60 | 60#           | 60/32   | 60/36                                 | 36/52                                    |                                    |                   |
| A4207D62 | 62#           | 62/32   | 62/36                                 | 36/54                                    |                                    |                   |
| A4207D64 | 64#           | 62/32   | 62/36                                 | 36/54                                    |                                    |                   |
| A4207D66 | 66#           | 62/32   | 62/36                                 | 36/54                                    |                                    |                   |

## LAC-III Cementless Acetabular Cup

| Cat. No. | Specification | Product Description  | Matched Liner Size (LAC- II PE Liner) | Matched Liner Size (XLPE Liner/VE Liner) | Matched Liner Size (Ceramic Liner) | Matched Head Dia. |
|----------|---------------|--|---------------------------------------|--|------------------------------------|-------------------|
| A4560-48 | 48#           | <b>Product Name:</b> LAC-III Cementless Acetabular Cup<br><b>JX 2801B</b><br><br><b>Material:</b> TA2G<br><b>Surface:</b> Ti Coating<br><br><b>Matched Liner:</b> LAC- II PE Liner JX 3801, XLPE Liner JX 31101, VE Liner JX 321, Ceramic Liner JX 63001 | 48/28                                 | 48/32                                    | 32/40                              | 28/32             |
| A4560-50 | 50#           |  | 50/32                                 | 50/32                                    | 32/42                              | 32                |
| A4560-52 | 52#           |  | 52/32                                 | 52/36                                    | 36/44                              | 32/36             |
| A4560-54 | 54#           |  | 54/32                                 | 54/36                                    | 36/46                              |                   |
| A4560-56 | 56#           |  | 56/32                                 | 56/36                                    | 36/48                              |                   |
| A4560-58 | 58#           |  | 58/32                                 | 58/36                                    | 36/50                              |                   |
| A4560-60 | 60#           |  | 60/32                                 | 60/36                                    | 36/52                              |                   |
| A4560-62 | 62#           |  | 62/32                                 | 62/36                                    | 36/54                              |                   |
| A4560-64 | 64#           |  | 62/32                                 | 62/36                                    | 36/54                              |                   |
| A4560-66 | 66#           |  | 62/32                                 | 62/36                                    | 36/54                              |                   |
| A4560-68 | 68#           | 62/32  | 62/36                                 | 36/54                                    |                                    |                   |
| A4560-70 | 70#           | 62/32  | 62/36                                 | 36/54                                    |                                    |                   |
| A4560-72 | 72#           | 62/32  | 62/36                                 | 36/54                                    |                                    |                   |
| A4560-74 | 74#           | 62/32  | 62/36                                 | 36/54                                    |                                    |                   |



### TAC- I Acetabular Cup



| Cat. No. | Specification | Product Description  | Matched Liner Size (LAC-II PE Liner) | Matched Liner Size (XLPE Liner/VE Liner) | Matched Liner Size (Ceramic Liner) | Matched Head Dia. |
|----------|---------------|--|--------------------------------------|--|------------------------------------|-------------------|
| A4556-38 | 38#           | <b>Product Name:</b> TAC- I Acetabular Cup   | 38/22                                | -  | -                                  | 22                |
| A4556-40 | 40#           |  | 40/22                                | -  | -                                  | 22                |
| A4556-42 | 42#           | <b>JX 219</b>  | 42/22                                | -  | -                                  | 22                |
| A4556-44 | 44#           | <b>Material:</b> Ti6Al4V   | 44/28                                | 44/28                                    | 28/36                              | 28                |
| A4556-46 | 46#           |  | 46/28                                | 46/28                                    | 28/38                              | 28                |
| A4556-48 | 48#           | <b>3D Printed Metal Bone Trabecular</b>  | 48/28                                | 48/32                                    | 32/40                              | 28/32             |
| A4556-50 | 50#           |  | 50/32                                | 50/32                                    | 32/42                              | 32                |
| A4556-52 | 52#           | <b>Aperture:</b> 600-1000 μm<br><b>Porosity:</b> 60% -90%  | 52/32                                | 52/36                                    | 36/44                              | 32/36             |
| A4556-54 | 54#           |  | 54/32                                | 54/36                                    | 36/46                              |                   |
| A4556-56 | 56#           | 56/32  | 56/36                                | 36/48                                    |                                    |                   |
| A4556-58 | 58#           | <b>Matched Liner:</b><br>LAC- II PE Liner JX 3801,<br>XLPE Liner JX 31101,<br>VE Liner JX 321,<br>Ceramic Liner JX 63001 | 58/32                                | 58/36                                    | 36/50                              |                   |
| A4556-60 | 60#           |  | 60/32                                | 60/36                                    | 36/52                              |                   |
| A4556-62 | 62#           |  | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4556-64 | 64#           |  | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4556-66 | 66#           | 62/32  | 62/36                                | 36/54                                    |                                    |                   |

### LAC-II PE Liner

| Cat. No.   | Specification | Product Description  | Matched Cup Size | Matched Head Dia. |
|------------|---------------|--|------------------|-------------------|
| A4555-3822 | 38/22         | <b>Product Name:</b> LAC- II PE Liner<br><b>JX 3801</b>  | 38#              | 22                |
| A4555-4022 | 40/22         |  | 40#              |                   |
| A4555-4222 | 42/22         |  | 42#              |                   |
| A4555-4428 | 44/28         |  | 44#              |                   |
| A4555-4628 | 46/28         | <b>Material:</b> UHMWPE (Ultrahigh molecular weight polyethylene)  | 46#              | 28                |
| A4555-4828 | 48/28         |  | 48#              |                   |
| A4555-5032 | 50/32         | <b>Matched Cup:</b><br>LAC- II Cementless Acetabular Cup JX 2601D,<br>LAC- III Cementless Acetabular Cup JX 2801B,<br>TAC- I Acetabular Cup JX 219,<br>TAC- II Acetabular Cup JX 217 | 50#              | 32                |
| A4555-5232 | 52/32         |  | 52#              |                   |
| A4555-5432 | 54/32         |  | 54#              |                   |
| A4555-5632 | 56/32         |  | 56#              |                   |
| A4555-5832 | 58/32         |  | 58#              |                   |
| A4555-6032 | 60/32         |  | 60#              |                   |
| A4555-6232 | 62/32         |  | 62#~74#          |                   |



### TAC- II Acetabular Cup



| Cat. No. | Specification | Product Description  | Matched Liner Size (LAC-II PE Liner) | Matched Liner Size (XLPE Liner/VE Liner) | Matched Liner Size (Ceramic Liner) | Matched Head Dia. |
|----------|---------------|--|--------------------------------------|--|------------------------------------|-------------------|
| A4663-48 | 48#           | <b>Product Name:</b> TAC- II Acetabular Cup  | 48/28                                | 48/32                                    | 32/40                              | 28/32             |
| A4663-50 | 50#           |  | 50/32                                | 50/32                                    | 32/42                              | 32                |
| A4663-52 | 52#           | <b>JX 217</b>  | 52/32                                | 52/36                                    | 36/44                              | 32/36             |
| A4663-54 | 54#           | <b>Material:</b> Ti6Al4V   | 54/32                                | 54/36                                    | 36/46                              |                   |
| A4663-56 | 56#           |  | 56/32                                | 56/36                                    | 36/48                              |                   |
| A4663-58 | 58#           | <b>3D Printed Metal Bone Trabecular</b>  | 58/32                                | 58/36                                    | 36/50                              |                   |
| A4663-60 | 60#           |  | 60/32                                | 60/36                                    | 36/52                              |                   |
| A4663-62 | 62#           | <b>Aperture:</b> 600-1000 μm<br><b>Porosity:</b> 60% -90%  | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4663-64 | 64#           |  | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4663-66 | 66#           | <b>Matched Liner:</b><br>LAC- II PE Liner JX 3801,<br>XLPE Liner JX 31101,<br>VE Liner JX 321,<br>Ceramic Liner JX 63001 | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4663-68 | 68#           |  | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4663-70 | 70#           |  | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4663-72 | 72#           |  | 62/32                                | 62/36                                    | 36/54                              |                   |
| A4663-74 | 74#           |  | 62/32                                | 62/36                                    | 36/54                              |                   |

### XLPE Liner

| Cat. No.   | Specification | Product Description  | Matched Cup Size | Matched Head Dia. |
|------------|---------------|--|------------------|-------------------|
| A4558-4428 | 44/28         | <b>Product Name:</b> XLPE Liner<br><b>JX 31101</b>   | 44#              | 28                |
| A4558-4628 | 46/28         |  | 46#              |                   |
| A4558-4832 | 48/32         |  | 48#              |                   |
| A4558-5032 | 50/32         | <b>Material:</b> XLPE (High Cross Linked Polyethylene)   | 50#              | 32                |
| A4558-5236 | 52/36         |  | 52#              |                   |
| A4558-5436 | 54/36         | <b>Matched Cup:</b><br>LAC- II Cementless Acetabular Cup JX 2601D,<br>LAC- III Cementless Acetabular Cup JX 2801B,<br>TAC- I Acetabular Cup JX 219,<br>TAC- II Acetabular Cup JX 217 | 54#              | 36                |
| A4558-5636 | 56/36         |  | 56#              |                   |
| A4558-5836 | 58/36         |  | 58#              |                   |
| A4558-6036 | 60/36         |  | 60#              |                   |
| A4558-6236 | 62/36         |  | 62#~74#          |                   |



## VE Liner

| Cat. No.   | Specification | Product Description                            | Matched Cup  | Thickness (mm) |
|------------|---------------|--|--|----------------|
| A4665-4428 | 44/28         | <b>Product Name:</b> VE Liner<br><b>JX 321</b> | 44#  | 28             |
| A4665-4628 | 46/28         |  | 46#  |                |
| A4665-4832 | 48/32         |  | <b>Material:</b> VE-XLPE<br><br><b>Matched Cup:</b><br>LAC- II Cementless Acetabular Cup JX 2601D,<br>LAC- III Cementless Acetabular Cup JX 2801B,<br>TAC- I Acetabular Cup JX 219,<br>TAC- II Acetabular Cup JX 217 | 48#            |
| A4665-5032 | 50/32         | 50#  |  |                |
| A4665-5236 | 52/36         | 52#  |  | 36             |
| A4665-5436 | 54/36         | 54#  |  |                |
| A4665-5636 | 56/36         | 56#  |  |                |
| A4665-5836 | 58/36         | 58#  |  |                |
| A4665-6036 | 60/36         | 60#  |  |                |
| A4665-6236 | 62/36         | 62#~74#  |  |                |



## Trabecular Acetabular Cup



## Trabecular Augment



| Cat. No.      | Product Description   | Matched Cup Size | Thickness (mm) |
|---------------|---|------------------|----------------|
| A4660-5052-15 | <b>Product Name:</b><br>Trabecular Augment<br><b>JX 214</b>             | 50#              | 15mm           |
| A4660-5052-25 |   | 52#              | 25mm           |
| A4660-5456-15 |   | 54#              | 15mm           |
| A4660-5456-25 | <b>Material:</b> Ti6Al4V<br><br><b>3D Printed Metal Bone Trabecular</b> | 56#              | 25mm           |
| A4660-5860-15 |   | 58#              | 15mm           |
| A4660-5860-25 |   | 60#              | 25mm           |
| A4660-6264-15 |   | 62# ~ 74#        | 15mm           |
| A4660-6264-25 | 25mm  |                  |                |

- A one-piece construct, created by cementing the liner into the shell, eliminates concerns about backside wear. The low modulus of elasticity of the Trabecular Metal material can produce more normal physiological loading and reduce stress shielding.
- New irregular and cancelous-bone-mimicking porous structure ensures better bone ingrowth.

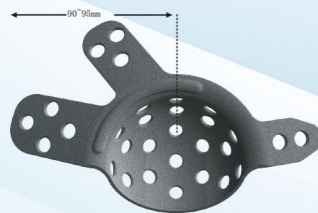
- **Aperture:** 600 - 1,000 μm
- **Porosity:** 60% - 90%

### Cemented Acetabular Cup



| Cat. No. | Specification | Product Description   | Inner Dia. (mm) |
|----------|---------------|---|-----------------|
| C6040    | 40/28         | <b>Product Name:</b><br>Cemented<br>Acetabular Cup<br><b>JX 21201</b><br><br><b>Material:</b> UHMWPE<br>(Ultrahigh<br>molecular weight<br>polyethylene) | 28              |
| C6042    | 42/28         |   | 28              |
| C6044    | 44/28         |   | 28              |
| C6046    | 46/28         |   | 28              |
| C6048    | 48/28         |   | 28              |
| C6050    | 50/28         |   | 28              |
| C6052    | 52/28         |   | 28              |
| C6054    | 54/28         |   | 28              |
| C6056    | 56/28         |   | 28              |
| C6058    | 58/28         |   | 28              |

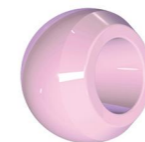
### Acetabular Cage



| Cat. No. | Specification | Product Description   | O.D. (mm) |
|----------|---------------|---|-----------|
| SH4052L  | 52mmL         | <b>Product Name:</b> Acetabular Cage<br><b>JX 2901A</b><br><br><b>Material:</b> Ti6Al4V | φ52       |
| SH4054L  | 54mmL         |   | φ54       |
| SH4056L  | 56mmL         |   | φ56       |
| SH4058L  | 58mmL         |   | φ58       |
| SH4060L  | 60mmL         |   | φ60       |
| SH4062L  | 62mmL         |   | φ62       |
| SH4052R  | 52mmR         |   | φ52       |
| SH4054R  | 54mmR         |   | φ54       |
| SH4056R  | 56mmR         |   | φ56       |
| SH4058R  | 58mmR         |   | φ58       |
| SH4060R  | 60mmR         |   | φ60       |
| SH4062R  | 62mmR         |   | φ62       |

## Ceramic Products

- ▶ The Ceramic Heads have been tested to assess the mechanical properties when compared to the BIOLOX® Delta Ceramic Femoral Heads. The wear performance was tested using femoral heads of the same size for each material in a hip simulator with the same loading and using the same size and design of acetabular shell and polyethylene liner.
- ▶ Lower volumetric wear.
- ▶ Available in large-diameter ceramic heads (28 mm, 32 mm and 36 mm) to enhance the range of motion and reduce the risk of dislocation.



### Ceramic Head

JX 40102

| Cat. No. | Specification | Diameter |
|----------|---------------|----------|
| H10028S  | 28S           | 28       |
| H10028M  | 28M           |          |
| H10028L  | 28L           |          |
| H10032S  | 32S           | 32       |
| H10032M  | 32M           |          |
| H10032L  | 32L           |          |
| H10032XL | 32XL          |          |
| H10036S  | 36S           | 36       |
| H10036M  | 36M           |          |
| H10036L  | 36L           |          |
| H10036XL | 36XL          |          |

### Revision Ceramic Head

JX 50001

| Cat. No. | Specification |
|----------|---------------|
| A4500-28 | 28            |
| A4500-32 | 32            |
| A4500-36 | 36            |

### Sleeve

JX 50101

| Cat. No. | Specification |
|----------|---------------|
| A4501-S  | S             |
| A4501-M  | M             |
| A4501-L  | L             |
| A4501-XL | XL            |

### Ceramic Liner

JX 63001

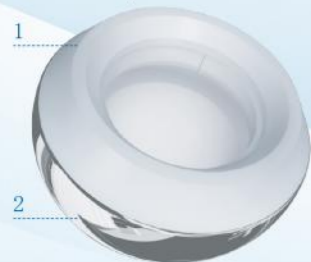
| Cat. No.   | Specification | Inner Diameter |
|------------|---------------|----------------|
| A4630-4428 | 28/36         | 28             |
| A4630-4628 | 28/38         | 28             |
| A4630-4832 | 32/40         | 32             |
| A4630-5032 | 32/42         | 32             |
| A4630-5236 | 36/44         | 36             |
| A4630-5436 | 36/46         | 36             |
| A4630-5636 | 36/48         | 36             |
| A4630-5836 | 36/50         | 36             |
| A4630-6036 | 36/52         | 36             |
| A4630-6236 | 36/54         | 36             |



### Metal Head

| Cat. No.  | Specification | Product Description  | Diameter |
|-----------|---------------|--|----------|
| NH1022S   | 22S           | Product Name:<br>Metal Head<br><b>JX 4301</b><br><br>Material:<br>CoCrMo | 22       |
| NH1022M   | 22M           |  | 22       |
| NH1022L   | 22L           |  | 22       |
| NH1028S   | 28S           |  | 28       |
| NH1028M   | 28M           |  | 28       |
| NH1028L   | 28L           |  | 28       |
| NH1028XL  | 28XL          |  | 28       |
| NH1028XXL | 28XXL         |  | 28       |
| NH1032S   | 32S           |  | 32       |
| NH1032M   | 32M           |  | 32       |
| NH1032L   | 32L           |  | 32       |
| NH1032XL  | 32XL          |  | 32       |
| NH1032XXL | 32XXL         |  | 32       |
| NH1036S   | 36S           |  | 36       |
| NH1036M   | 36M           |  | 36       |
| NH1036L   | 36L           |  | 36       |
| NH1036XL  | 36XL          | 36   |          |

Unique locking mechanism  
Safe, stable and reliable  
Convenient intraoperative installation



Cobalt-chromium-molybdenum alloy-made shell  
Super-mirror-polished surface  
Minimized wear

### Bipolar Head

| Cat. No. | Specification | Product Description   | Outer Diameter | Matched Head Dia. |
|----------|---------------|---|----------------|-------------------|
| H3038B   | 38/22         | Product Name:<br>Bipolar Head<br><b>JX 4701</b><br><br>Material:<br>CoCrMo+UHMW<br>PE | 38             | 22                |
| H3040B   | 40/22         |   | 40             | 22                |
| H3042B   | 42/22         |   | 42             | 22                |
| H3044B   | 44/22         |   | 44             | 22                |
| H3046B   | 46/22         |   | 46             | 22                |
| H3048B   | 48/28         |   | 48             | 28                |
| H3050B   | 50/28         |   | 50             | 28                |
| H3052B   | 52/28         |   | 52             | 28                |
| H3054B   | 54/28         |   | 54             | 28                |
| H3056B   | 56/28         |   | 56             | 28                |
| H3058B   | 58/28         | 58  | 28             |                   |

## Dual Mobility Cup System

#### Natural movement Design

A moderately cross-linked acetabular liner that articulates within the inner surface of the shell to create natural movement.

#### Optimized Range of Motion

The dynamic mechanism allows the activation of articulation with a natural, single, smooth movement and enhanced range of motion.



#### Low Wear Rate

Significantly reduce wear with a surface contact between highly polished inner surface of the shell and smooth outer surface of the liner.

#### Enhance Stability

Enhance stability with implantation of screws into the shell to avoid loosening of the early fixation.

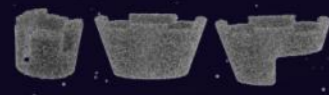
#### Low Risk of Dislocation

By creating a larger jump distance with a larger femoral head diameter, the system offers greater stability of the hip, helping to reduce the risk of dislocation.

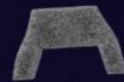
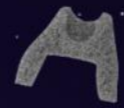
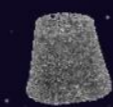
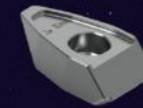
| Acetabular Cup | LAC-II Cementless Acetabular Cup  | 46#   | 48#   | 50#   | 52#   | 54#   | 56#   | 58#   | 60#   | 62#~74# |
|----------------|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
|                | LAC-III Cementless Acetabular Cup |       |       |       |       |       |       |       |       |         |
|                | TAC- I Acetabular Cup             |       |       |       |       |       |       |       |       |         |
|                | TAC-II Acetabular Cup             |       |       |       |       |       |       |       |       |         |
| Liner          | CoCrMo Liner                      | 46/38 | 48/40 | 50/42 | 52/44 | 54/46 | 56/48 | 58/50 | 60/52 | 62/54   |
|                | XLPE Liner                        | 38/22 | 40/22 | 42/22 | 44/28 | 46/28 | 48/28 | 50/28 | 52/28 | 54/28   |
|                | VE Liner                          |       |       |       |       |       |       |       |       |         |
| Femoral Head   | Ceramic Head                      | 22    |       |       | 28    |       |       |       |       |         |
|                | Metal Head                        | 22    |       |       | 28    |       |       |       |       |         |

KNEE JOINT IMPLANT SYSTEM

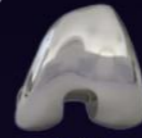
X4



XCK



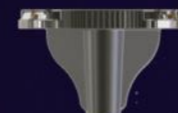
X5



PS



CR



XU-Uni



## XU-Uni Knee System



- Posterior hook provides an anatomic reference point to ensure precise sizing.
- Multi-radius curve of the femoral condyle provides patients with a better fit.
- Extended posterior condyle safely accommodates high flexion.
- Inward arc design avoids prepatellar pain.
- Low-constrained articular surface less restricts knee motion, allowing freer knee motion.
- Three fixation screws placed below the tibial tray add stability, allowing resections to be made without removing screws. Precise, efficient instrumentation.
- Addresses differing patient anatomies with more specifications available.



### XU-Uni Femoral Condyle

| Cat. No.   | Specification | Product Description   | ML (mm) | AP (mm) |
|------------|---------------|---|---------|---------|
| A5101-01LM | 1#LM/RL       | <b>Product Name:</b><br>XU-Uni Femoral Condyle<br><b>DK01</b> | 17.8    | 42      |
| A5101-02LM | 2#LM/RL       |   | 19      | 44.5    |
| A5101-03LM | 3#LM/RL       |   | 20      | 46.5    |
| A5101-04LM | 4#LM/RL       |   | 21      | 50      |
| A5101-05LM | 5#LM/RL       |   | 21.6    | 53.5    |
| A5101-01RM | 1#RM/LL       | <b>Left-right (L/R)</b><br><b>Material:</b> CoCrMo            | 17.8    | 42      |
| A5101-02RM | 2#RM/LL       |   | 19      | 44.5    |
| A5101-03RM | 3#RM/LL       |   | 20      | 46.5    |
| A5101-04RM | 4#RM/LL       |   | 21      | 50      |
| A5101-05RM | 5#RM/LL       |   | 21.6    | 53.5    |



### XU-Uni Tibial Tray

| Cat. No.   | Specification | Product Description                                       | ML (mm) | AP (mm) |
|------------|---------------|---|---------|---------|
| A5201-S1LM | S1#LM/RL      | <b>Product Name:</b><br>XU-Uni Tibial Tray<br><b>DT01</b> | 23      | 41      |
| A5201-01LM | 1#LM/RL       |   | 25      | 44      |
| A5201-02LM | 2#LM/RL       |   | 27      | 47      |
| A5201-03LM | 3#LM/RL       |   | 29      | 50      |
| A5201-04LM | 4#LM/RL       |   | 31      | 53      |
| A5201-05LM | 5#LM/RL       | <b>Left-right (L/R)</b><br><b>Material:</b> CoCrMo        | 33      | 56      |
| A5201-S1RM | S1#RM/LL      |   | 23      | 41      |
| A5201-01RM | 1#RM/LL       |   | 25      | 44      |
| A5201-02RM | 2#RM/LL       |   | 27      | 47      |
| A5201-03RM | 3#RM/LL       |   | 29      | 50      |
| A5201-04RM | 4#RM/LL       |   | 31      | 53      |
| A5201-05RM | 5#RM/LL       |   | 33      | 56      |



### XU-Uni Tibial Insert

| Cat. No.   | Specification | Product Description   | ML (mm) | AP (mm) | Cat. No.   | Specification | Product Description   | ML (mm) | AP (mm) |
|------------|---------------|---|---------|---------|------------|---------------|---|---------|---------|
| A5301-S108 | S1#-8mm       | <b>Product Name:</b><br>XU-Uni Tibial Insert<br><b>DD01</b> | 22      | 35      | A5301-0308 | 3#-8mm        | <b>Product Name:</b><br>XU-Uni Tibial Insert<br><b>DD01</b> | 28      | 44      |
| A5301-S109 | S1#-9mm       |   |         |         | A5301-0309 | 3#-9mm        |   |         |         |
| A5301-S110 | S1#-10mm      |   |         |         | A5301-0310 | 3#-10mm       |   |         |         |
| A5301-S111 | S1#-11mm      |   |         |         | A5301-0311 | 3#-11mm       |   |         |         |
| A5301-S112 | S1#-12mm      |   |         |         | A5301-0312 | 3#-12mm       |   |         |         |
| A5301-S114 | S1#-14mm      |   |         |         | A5301-0314 | 3#-14mm       |   |         |         |
| A5301-0108 | 1#-8mm        | <b>Material:</b> UHMWPE                                     | 24      | 38      | A5301-0408 | 4#-8mm        | <b>Material:</b> UHMWPE                                     | 30      | 47      |
| A5301-0109 | 1#-9mm        |   |         |         | A5301-0409 | 4#-9mm        |   |         |         |
| A5301-0110 | 1#-10mm       |   |         |         | A5301-0410 | 4#-10mm       |   |         |         |
| A5301-0111 | 1#-11mm       |   |         |         | A5301-0411 | 4#-11mm       |   |         |         |
| A5301-0112 | 1#-12mm       |   |         |         | A5301-0412 | 4#-12mm       |   |         |         |
| A5301-0114 | 1#-14mm       |   |         |         | A5301-0414 | 4#-14mm       |   |         |         |
| A5301-0208 | 2#-8mm        | <b>Material:</b> UHMWPE                                     | 26      | 41      | A5301-0508 | 5#-8mm        | <b>Material:</b> UHMWPE                                     | 32      | 50      |
| A5301-0209 | 2#-9mm        |   |         |         | A5301-0509 | 5#-9mm        |   |         |         |
| A5301-0210 | 2#-10mm       |   |         |         | A5301-0510 | 5#-10mm       |   |         |         |
| A5301-0211 | 2#-11mm       |   |         |         | A5301-0511 | 5#-11mm       |   |         |         |
| A5301-0212 | 2#-12mm       |   |         |         | A5301-0512 | 5#-12mm       |   |         |         |
| A5301-0214 | 2#-14mm       |   |         |         | A5301-0514 | 5#-14mm       |   |         |         |

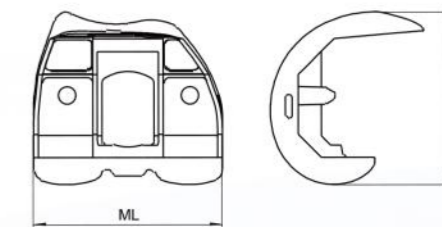
## X3 Total Knee System



- X3 fix bearing knee system is to provide sufficient articular surface and rotational freedom to accommodate deep knee flexion up to 145 degree.
- 12 Femoral sizes and 13 tibial sizes provide the best fitting combination; Ingenuity curvature design makes sure that any sizes of femoral condyle and tibial insert matches with each other.
- Deep and extended patella groove improves the patella trackability.
- Locking-clip mechanism gives loosening zero chance.

## X3 PS Femoral Condyle

| Cat. No.   | Specification | Product Description                               | ML (mm)         | AP (mm) |
|------------|---------------|---|-----------------|---------|
| A5113-S1L  | S1#L          | Product Name:<br>X3 PS Femoral Condyle<br>RY A213 | 50              | 45      |
| A5113-S2L  | S2#L          |   | 53              | 49      |
| A5113-01L  | 1#L           |   | 56              | 52      |
| A5113-015L | 1.5#L         |   | 59              | 54      |
| A5113-02L  | 2#L           |   | 62              | 57      |
| A5113-025L | 2.5#L         |   | 64              | 59      |
| A5113-03L  | 3#L           |   | 67              | 61      |
| A5113-035L | 3.5#L         |   | 69              | 64      |
| A5113-04L  | 4#L           |   | 72              | 66      |
| A5113-05L  | 5#L           |   | 74              | 68      |
| A5113-06L  | 6#L           |   | 79              | 72      |
| A5113-07L  | 7#L           |   | 84              | 76      |
| A5113-S1R  | S1#R          |   | Left-right(L/R) | 50      |
| A5113-S2R  | S2#R          | Material: CoCrMo                                  | 53              | 49      |
| A5113-01R  | 1#R           |   | 56              | 52      |
| A5113-015R | 1.5#R         |   | 59              | 54      |
| A5113-02R  | 2#R           |   | 62              | 57      |
| A5113-025R | 2.5#R         |   | 64              | 59      |
| A5113-03R  | 3#R           |   | 67              | 61      |
| A5113-035R | 3.5#R         |   | 69              | 64      |
| A5113-04R  | 4#R           |   | 72              | 66      |
| A5113-05R  | 5#R           |   | 74              | 68      |
| A5113-06R  | 6#R           |   | 79              | 72      |
| A5113-07R  | 7#R           |   | 84              | 76      |





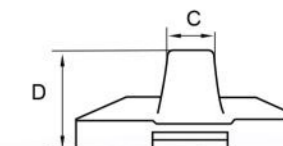
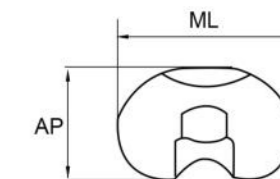
### X3 Tibial Tray

| Cat. No. | Specification | Product Description   | ML (mm) | AP (mm) | Height L (mm) |
|----------|---------------|---|---------|---------|---------------|
| A5213-0S | S             | <b>Product Name:</b><br>X3 Tibial Tray<br><b>RY B413</b><br><br><b>Material:</b> CoCrMo | 54      | 36      | 35            |
| A5213-0A | A             |   | 59      | 38      | 40            |
| A5213-0B | B             |   | 63      | 41      | 40            |
| A5213-1B | B+            |   | 65      | 42      | 40            |
| A5213-0C | C             |   | 67      | 43      | 40            |
| A5213-1C | C+            |   | 69      | 45      | 40            |
| A5213-0D | D             |   | 71      | 46      | 40            |
| A5213-1D | D+            |   | 73      | 47      | 40            |
| A5213-0E | E             |   | 75      | 48      | 40            |
| A5213-0F | F             |   | 79      | 51      | 40            |
| A5213-0G | G             |   | 83      | 53      | 40            |
| A5213-0H | H             |   | 87      | 56      | 40            |
| A5213-0L | L             |   | 91      | 58      | 40            |



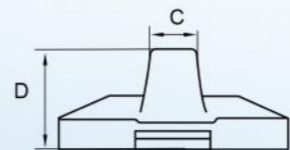
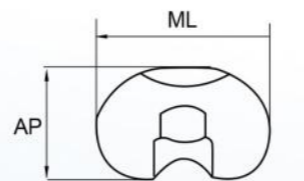
### X3 PS Tibial Insert

| Cat. No.   | Specification | Product Description  | ML×AP (mm) | Tibial Tray | Thickness (mm) | C Width (mm) | D Height (mm) |
|------------|---------------|--|------------|-------------|----------------|--------------|---------------|
| A5313-SA08 | SA-8mm        | <b>Product Name:</b><br>X3 PS Tibial Insert<br><b>RY C413</b><br><br><b>Material:</b> UHMWPE | 54×35      | S, A        | 6              | 16           | 26            |
| A5313-SA10 | SA-10mm       |  |            |             | 8              |              | 28            |
| A5313-SA12 | SA-12mm       |  |            |             | 10             |              | 30            |
| A5313-SA14 | SA-14mm       |  |            |             | 12             |              | 32            |
| A5313-SA16 | SA-16mm       |  |            |             | 14             |              | 34            |
| A5313-BC08 | BC-8mm        |  |            |             | 6              |              | 26            |
| A5313-BC10 | BC-10mm       |  | 8          | 28          |                |              |               |
| A5313-BC12 | BC-12mm       |  | 10         | 30          |                |              |               |
| A5313-BC14 | BC-14mm       |  | 12         | 32          |                |              |               |
| A5313-BC16 | BC-16mm       |  | 14         | 34          |                |              |               |
| A5313-DE08 | DE-8mm        |  | 6          | 26          |                |              |               |
| A5313-DE10 | DE-10mm       |  | 8          | 28          |                |              |               |
| A5313-DE12 | DE-12mm       |  | 10         | 30          |                |              |               |
| A5313-DE14 | DE-14mm       |  | 12         | 32          |                |              |               |
| A5313-DE16 | DE-16mm       |  | 14         | 34          |                |              |               |
| A5313-FG08 | FG-8mm        |  | 6          | 26          |                |              |               |
| A5313-FG10 | FG-10mm       | 8  | 28         |             |                |              |               |
| A5313-FG12 | FG-12mm       | 10   | 30         |             |                |              |               |
| A5313-FG14 | FG-14mm       | 12   | 32         |             |                |              |               |
| A5313-FG16 | FG-16mm       | 14   | 34         |             |                |              |               |
| A5313-HL08 | HL-8mm        | 6  | 26         |             |                |              |               |
| A5313-HL10 | HL-10mm       | 8  | 28         |             |                |              |               |
| A5313-HL12 | HL-12mm       | 10   | 30         |             |                |              |               |
| A5313-HL14 | HL-14mm       | 12   | 32         |             |                |              |               |
| A5313-HL16 | HL-16mm       | 14   | 34         |             |                |              |               |

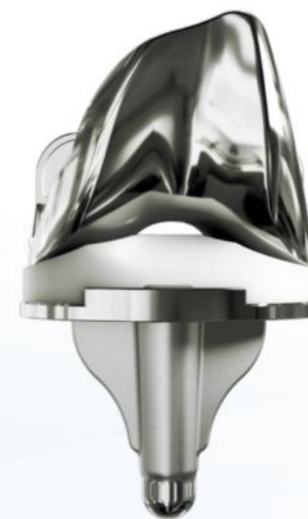


### X3 PS Plus Tibial Insert

| Cat. No.   | Specification | Product Description   | ML×AP (mm) | Tibial Tray    | Thickness (mm) | C Width (mm) | D Height (mm) |
|------------|---------------|---|------------|----------------|----------------|--------------|---------------|
| A5314-SA08 | SA-8mm        | <b>Product Name:</b><br>X3 PS Plus Tibial Insert<br><b>RY C414</b><br><br><b>Material:</b> UHMWPE | 54×35      | S, A           | 6              | 16.5         | 26            |
| A5314-SA10 | SA-10mm       |   |            |                | 8              |              | 28            |
| A5314-SA12 | SA-12mm       |   |            |                | 10             |              | 30            |
| A5314-SA14 | SA-14mm       |   |            |                | 12             |              | 32            |
| A5314-SA16 | SA-16mm       |   |            |                | 14             |              | 34            |
| A5314-BC08 | BC-8mm        |   | 63×40      | B, B+<br>C, C+ | 6              | 16.5         | 26            |
| A5314-BC10 | BC-10mm       |   |            |                | 8              |              | 28            |
| A5314-BC12 | BC-12mm       |   |            |                | 10             |              | 30            |
| A5314-BC14 | BC-14mm       |   |            |                | 12             |              | 32            |
| A5314-BC16 | BC-16mm       |   |            |                | 14             |              | 34            |
| A5314-DE08 | DE-8mm        |   | 71×45      | D, D+<br>E     | 6              | 16.5         | 26            |
| A5314-DE10 | DE-10mm       |   |            |                | 8              |              | 28            |
| A5314-DE12 | DE-12mm       |   |            |                | 10             |              | 30            |
| A5314-DE14 | DE-14mm       |   |            |                | 12             |              | 32            |
| A5314-DE16 | DE-16mm       |   |            |                | 14             |              | 34            |
| A5314-FG08 | FG-8mm        |   | 79×50      | F, G           | 6              | 16.5         | 26            |
| A5314-FG10 | FG-10mm       | 8   |            |                | 28             |              |               |
| A5314-FG12 | FG-12mm       | 10  |            |                | 30             |              |               |
| A5314-FG14 | FG-14mm       | 12  |            |                | 32             |              |               |
| A5314-FG16 | FG-16mm       | 14  |            |                | 34             |              |               |
| A5314-HL08 | HL-8mm        | 87×55   | H, L       | 6              | 16.5           | 26           |               |
| A5314-HL10 | HL-10mm       |   |            | 8              |                | 28           |               |
| A5314-HL12 | HL-12mm       |   |            | 10             |                | 30           |               |
| A5314-HL14 | HL-14mm       |   |            | 12             |                | 32           |               |
| A5314-HL16 | HL-16mm       |   |            | 14             |                | 34           |               |



### X5 CR Total Knee System



- Same tibial tray and femoral resection as the X5 TKA System.
- Gradient radius design of the femoral condyle allows for a smooth transition of flexion.
- Available in two types (CR and AS) of tibial insert designed for different PCL tension.
- Retroversion of 3° of the tibial tray.



### X5 CR Femoral Condyle

| Cat. No.  | Specification | Product Description                               | ML (mm) | AP (mm) |
|-----------|---------------|---|---------|---------|
| A5107-01L | 1#L           | Product Name:<br>X5 CR Femoral Condyle<br>RY A206 | 57      | 52      |
| A5107-02L | 2#L           |   | 60      | 55.5    |
| A5107-03L | 3#L           |   | 63      | 58.5    |
| A5107-04L | 4#L           |   | 66      | 61.5    |
| A5107-05L | 5#L           |   | 69.5    | 64.5    |
| A5107-06L | 6#L           |   | 73      | 67.5    |
| A5107-07L | 7#L           |   | 77      | 71      |
| A5107-01R | 1#R           | Left-right (L/R)<br>Material:<br>CoCrMo           | 57      | 52      |
| A5107-02R | 2#R           |   | 60      | 55.5    |
| A5107-03R | 3#R           |   | 63      | 58.5    |
| A5107-04R | 4#R           |   | 66      | 61.5    |
| A5107-05R | 5#R           |   | 69.5    | 64.5    |
| A5107-06R | 6#R           |   | 73      | 67.5    |
| A5107-07R | 7#R           |   | 77      | 71      |



### X5 CR/AS Tibial Insert

| CR Cat. No. | AS Cat. No. | Specification | Product Description                             | ML(mm) | AP (mm) |
|-------------|-------------|---------------|---|--------|---------|
| A5307-0109L | A5308-0109L | M1#/9mmL      | Product Name:<br>X5 CR Tibial Insert<br>RY C406 | 57.5   | 39      |
| A5307-0111L | A5308-0111L | M1#/11mmL     |   |        |         |
| A5307-0113L | A5308-0113L | M1#/13mmL     |   |        |         |
| A5307-0115L | A5308-0115L | M1#/15mmL     |   |        |         |
| A5307-0209L | A5308-0209L | M2#/9mmL      |   |        |         |
| A5307-0211L | A5308-0211L | M2#/11mmL     |   |        |         |
| A5307-0213L | A5308-0213L | M2#/13mmL     |   |        |         |
| A5307-0215L | A5308-0215L | M2#/15mmL     | Product Name:<br>X5 AS Tibial Insert<br>RY C407 | 60.5   | 41      |
| A5307-0309L | A5308-0309L | M3#/9mmL      |   |        |         |
| A5307-0311L | A5308-0311L | M3#/11mmL     |   |        |         |
| A5307-0313L | A5308-0313L | M3#/13mmL     |   |        |         |
| A5307-0315L | A5308-0315L | M3#/15mmL     |   |        |         |
| A5307-0409L | A5308-0409L | M4#/9mmL      |   |        |         |
| A5307-0411L | A5308-0411L | M4#/11mmL     |   |        |         |
| A5307-0413L | A5308-0413L | M4#/13mmL     | Left-right(L/R)<br>Material: UHMWPE             | 66.5   | 45      |
| A5307-0415L | A5308-0415L | M4#/15mmL     |   |        |         |
| A5307-0509L | A5308-0509L | M5#/9mmL      |   |        |         |
| A5307-0511L | A5308-0511L | M5#/11mmL     |   |        |         |
| A5307-0513L | A5308-0513L | M5#/13mmL     |   |        |         |
| A5307-0515L | A5308-0515L | M5#/15mmL     |   |        |         |
| A5307-0609L | A5308-0609L | M6#/9mmL      |   |        |         |
| A5307-0611L | A5308-0611L | M6#/11mmL     | 72.5  | 49     |         |
| A5307-0613L | A5308-0613L | M6#/13mmL     |   |        |         |
| A5307-0615L | A5308-0615L | M6#/15mmL     |   |        |         |
| A5307-0709L | A5308-0709L | M7#/9mmL      |   |        |         |
| A5307-0711L | A5308-0711L | M7#/11mmL     |   |        |         |
| A5307-0713L | A5308-0713L | M7#/13mmL     |   |        |         |
| A5307-0715L | A5308-0715L | M7#/15mmL     |   |        | 75.5    |

## X5 PS Total Knee System



- ▶ The optimal designed sagittal physiological curve is gradually reducing femoral radius designed to provide a smooth transition from stability to rotational freedom through a patient's range of motion.
- ▶ Semi-open box design ensures stable installation while ensuring the minimum resection.
- ▶ Optimal design of posterior condyle curve with a gradual radius provides safe high flexion of up to 150°.
- ▶ Optimal design of patellar articular surface, deeper patellar grooves and wider Q-angle allow for better patellar motion trajectory to effectively prevent patellar dislocation.
- ▶ Optimal design of articular surface of femoral condyle and tibial insert increases mutual contact area, effectively reduces contact stress, and reduces polyethylene wear.
- ▶ Sectional curvatures and arc center-to-center distances varying among specifications ensure a good match with the femoral condyle and reduce wear.



### X5 PS Femoral Condyle

| Cat. No.  | Specification | Product Description  | ML (mm) | AP (mm) |
|-----------|---------------|--|---------|---------|
| A5100-01L | 1#L           | Product Name: X5 PS Femoral Condyle<br>RY A203<br>Left-right (L/R)<br>Material: CoCrMo | 57      | 52      |
| A5100-M2L | M2#L          |  | 58      | 55.5    |
| A5100-02L | 2#L           |  | 60      | 55.5    |
| A5100-M3L | M3#L          |  | 61      | 58.5    |
| A5100-03L | 3#L           |  | 63      | 58.5    |
| A5100-M4L | M4#L          |  | 64      | 61.5    |
| A5100-04L | 4#L           |  | 66      | 61.5    |
| A5100-M5L | M5#L          |  | 67.5    | 64.5    |
| A5100-05L | 5#L           |  | 69.5    | 64.5    |
| A5100-06L | 6#L           |  | 73      | 67.5    |
| A5100-07L | 7#L           |  | 77      | 71      |
| A5100-01R | 1#R           |  | 57      | 52      |
| A5100-M2R | M2#R          |  | 58      | 55.5    |
| A5100-02R | 2#R           |  | 60      | 55.5    |
| A5100-M3R | M3#R          |  | 61      | 58.5    |
| A5100-03R | 3#R           | 63   | 58.5    |         |
| A5100-M4R | M4#R          | 64   | 61.5    |         |
| A5100-04R | 4#R           | 66   | 61.5    |         |
| A5100-M5R | M5#R          | 67.5   | 64.5    |         |
| A5100-05R | 5#R           | 69.5   | 64.5    |         |
| A5100-06R | 6#R           | 73   | 67.5    |         |
| A5100-07R | 7#R           | 77   | 71      |         |



### X5 PS Tibial Insert

| Cat. No.    | Specification | Product Description  | ML (mm) | AP (mm) |
|-------------|---------------|--|---------|---------|
| A5300-0109L | M1#/9mmL      | Product Name: X5 PS Tibial Insert<br>RY C403<br>Left-right (L/R)<br>Material: UHMWPE | 57.5    | 39      |
| A5300-0111L | M1#/11mmL     |  |         |         |
| A5300-0113L | M1#/13mmL     |  |         |         |
| A5300-0115L | M1#/15mmL     |  | 60.5    | 41      |
| A5300-0209L | M2#/9mmL      |  |         |         |
| A5300-0211L | M2#/11mmL     |  |         |         |
| A5300-0213L | M2#/13mmL     |  |         |         |
| A5300-0215L | M2#/15mmL     |  | 63.5    | 43      |
| A5300-0309L | M3#/9mmL      |  |         |         |
| A5300-0311L | M3#/11mmL     |  |         |         |
| A5300-0313L | M3#/13mmL     |  |         |         |
| A5300-0315L | M3#/15mmL     |  | 66.5    | 45      |
| A5300-0409L | M4#/9mmL      |  |         |         |
| A5300-0411L | M4#/11mmL     |  |         |         |
| A5300-0413L | M4#/13mmL     |  |         |         |
| A5300-0415L | M4#/15mmL     | 69.5   | 47      |         |
| A5300-0509L | M5#/9mmL      |  |         |         |
| A5300-0511L | M5#/11mmL     |  |         |         |
| A5300-0513L | M5#/13mmL     | 72.5   | 49      |         |
| A5300-0515L | M5#/15mmL     |  |         |         |
| A5300-0609L | M6#/9mmL      |  |         |         |
| A5300-0611L | M6#/11mmL     | 75.5   | 51      |         |
| A5300-0613L | M6#/13mmL     |  |         |         |
| A5300-0615L | M6#/15mmL     |  |         |         |
| A5300-0709L | M7#/9mmL      |  |         |         |
| A5300-0711L | M7#/11mmL     |  |         |         |
| A5300-0713L | M7#/13mmL     |  |         |         |
| A5300-0715L | M7#/15mmL     |  |         |         |

### X5 Tibial Tray

| Cat. No.  | Pro Cat. No. | Specification | Product Description                         | ML (mm) | AP (mm) |
|-----------|--------------|---------------|---|---------|---------|
| A5200-M1L | A5214-M1L    | M1#L          | Product Name: X5 Tibial Tray<br>RY B403     | 57.5    | 39      |
| A5200-01L | A5214-01L    | 1#L           |   | 59      | 40      |
| A5200-M2L | A5214-M2L    | M2#L          |   | 60.5    | 41      |
| A5200-02L | A5214-02L    | 2#L           |   | 62      | 42      |
| A5200-M3L | A5214-M3L    | M3#L          | Product Name: X5 Tibial Tray Pro<br>RY B414 | 63.5    | 43      |
| A5200-03L | A5214-03L    | 3#L           |   | 65      | 44      |
| A5200-M4L | A5214-M4L    | M4#L          |   | 66.5    | 45      |
| A5200-04L | A5214-04L    | 4#L           |   | 68      | 46      |
| A5200-M5L | A5214-M5L    | M5#L          | Left-right (L/R)<br>Material: CoCrMo        | 69.5    | 47      |
| A5200-05L | A5214-05L    | 5#L           |   | 70      | 48      |
| A5200-M6L | A5214-M6L    | M6#L          |   | 72.5    | 49      |
| A5200-06L | A5214-06L    | 6#L           |   | 74      | 50      |
| A5200-M7L | A5214-M7L    | M7#L          | 75.5  | 51      |         |
| A5200-07L | A5214-07L    | 7#L           | 77  | 52      |         |



### Matching Table

| Tibial Insert (PS/CR/AS) | Tibial Tray | X5 Femoral Condyle (PS/CR) |        |        |        |       |    |    |
|--------------------------|-------------|----------------------------|--------|--------|--------|-------|----|----|
|                          |             | 1#                         | M2#/2# | M3#/3# | M4#/4# | M5/5# | 6# | 7# |
| M1#                      | M1#/1#      | ■                          | ■      |        |        |       |    |    |
| M2#                      | M2#/2#      | ■                          | ■      | ■      |        |       |    |    |
| M3#                      | M3#/3#      |                            | ■      | ■      | ■      |       |    |    |
| M4#                      | M4#/4#      |                            |        | ■      | ■      | ■     |    |    |
| M5#                      | M5#/5#      |                            |        |        | ■      | ■     | ■  |    |
| M6#                      | M6#/6#      |                            |        |        |        | ■     | ■  | ■  |
| M7#                      | M7#/7#      |                            |        |        |        |       | ■  | ■  |

### X5 Extension Stem

| Cat. No.    | Specification | Product Description             |
|-------------|---------------|---------------------------------|
| 51409-14-40 | φ14×40mm      | Product Name: X5 Extension Stem |
| 51409-14-60 | φ14×60mm      | Material: Ti6Al4V               |

### X5 Plugging Nail

| Cat. No. | Specification | Product Description  |
|----------|---------------|--|
| A5701-23 | 23mm          | Product Name: X5 Plugging Nail XR J01<br>Material: Ti6Al4V |

## X4 Total Knee System

Smaller width and thickness of the anterior condyle of the femoral prosthesis lessen the precondylar pressure and the tension of the quadriceps. The same sagittal geometry and smooth curvature prevent patella from increasing the strength of the quadriceps during knee extension and flexion, which, coupled with the relatively deep patellar groove, ensures that the patella remains stable in the groove even at high flexion without dislocation and that the patellar prosthesis is always in stable contact with the femoral prosthesis.

Slight coronal arc design maximizes the contact area to reduce the peak pressure on the polyethylene insert, eliminates the point-to-point edge loading during knee varus and valgus so that the tibiofemoral joint is always in contact.

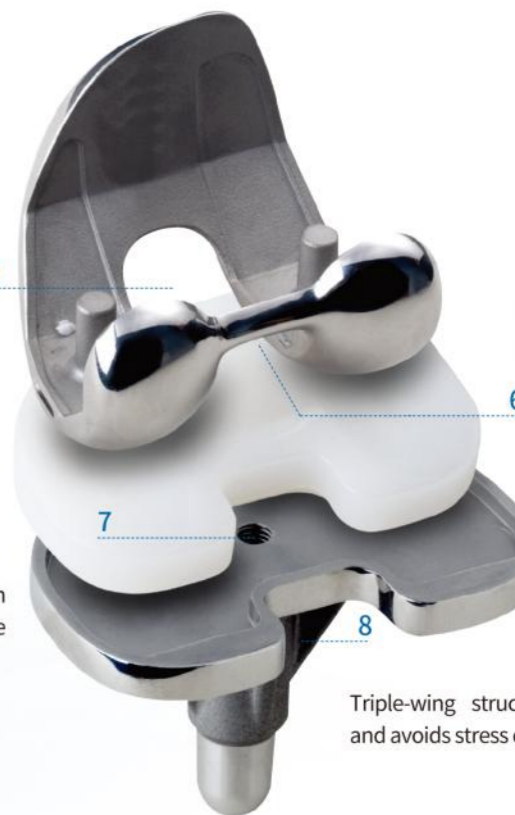
Increased curvature of the posterior condyle maintains surface contact of tibiofemoral articular surface rather than point contact at flexion of up to 135°



Patellar notch in front of the insert relieves the extra pressure and tension exerted on the quadriceps at high flexion.

Open box design reduces intercondylar resection to maximize the bone preserving

Unique tray and insert locking mechanism and metal anchor fixation eliminate fretting wear



Optimal design of cam-post structure keeps the cam at the base even at high flexion to effectively avoid dislocation

Triple-wing structure prevents rotation and avoids stress concentration



### X4 Femoral Condyle

| Cat. No. | Specification | Product Description   | ML (mm) | AP (mm) |
|----------|---------------|---|---------|---------|
| 50111P   | 1#L           | <b>Product Name:</b><br>X4 Femoral Condyle<br><b>RY A201</b><br><b>Left-right (L/R)</b><br><b>Material:</b><br>CoCrMo | 57      | 53      |
| 50112P   | 2#L           |   | 60      | 56      |
| 50113P   | 3#L           |   | 63      | 59      |
| 50114P   | 4#L           |   | 66      | 62      |
| 50115P   | 5#L           |   | 71      | 66      |
| 50121P   | 6#L           |   | 74      | 69      |
| 50116P   | 1#R           |   | 57      | 53      |
| 50117P   | 2#R           |   | 60      | 56      |
| 50118P   | 3#R           |   | 63      | 59      |
| 50119P   | 4#R           |   | 66      | 62      |
| 50120P   | 5#R           |   | 71      | 66      |
| 50122P   | 6#R           |   | 74      | 69      |



### X4 Tibial Tray

| Cat. No. | Specification | Product Description  | ML (mm) | AP (mm) |
|----------|---------------|--|---------|---------|
| 50126    | 1#            | <b>Product Name:</b> X4 Tibial Tray<br><b>RY B401</b><br><b>Material:</b> CoCrMo | 61      | 41      |
| 50127    | 2#            |  | 64      | 43      |
| 50128    | 3#            |  | 67      | 45      |
| 50129    | 4#            |  | 71      | 47      |
| 50130    | 5#            |  | 76      | 51      |
| 50131    | 6#            |  | 79      | 54      |

### Matching Table

| Tibial Insert | Tibial Tray | X4 Femoral Condyle |    |    |    |    |    |
|---------------|-------------|--------------------|----|----|----|----|----|
|               |             | 1#                 | 2# | 3# | 4# | 5# | 6# |
| 1#            | 1#          | ■                  | ■  |    |    |    |    |
| 2#            | 2#          | ■                  | ■  | ■  |    |    |    |
| 3#            | 3#          |                    | ■  | ■  | ■  |    |    |
| 4#            | 4#          |                    |    | ■  | ■  | ■  |    |
| 5#            | 5#          |                    |    |    | ■  | ■  | ■  |
| 6#            | 6#          |                    |    |    |    | ■  | ■  |



### Patella

| Cat. No.  | Specification | Product Description                              | Diameter | Thickness |
|-----------|---------------|--|----------|-----------|
| 50147B-8  | φ30/8         | <b>Product Name:</b><br>Patella<br><b>RY D01</b> | φ30      | 8         |
| 50141B-8  | φ32/8         |  | φ32      | 8         |
| 50141B-10 | φ32/10        |  | φ32      | 10        |
| 50142B-8  | φ35/8         | <b>Material:</b><br>UHMWPE                       | φ35      | 8         |
| 50142B-10 | φ35/10        |  | φ35      | 10        |
| 50143B-10 | φ38/10        |  | φ38      | 10        |

### X4 Tibial Insert

| Cat. No.  | Specification | Product Description  | ML (mm) | AP (mm) |
|-----------|---------------|--|---------|---------|
| 50136P-9  | 1#/9mm        | <b>Product Name:</b> X4 Tibial Insert<br><b>RY C401</b><br><b>Material:</b> UHMWPE | 61      | 41      |
| 50136P-11 | 1#/11mm       |  |         |         |
| 50136P-13 | 1#/13mm       |  |         |         |
| 50136P-15 | 1#/15mm       |  | 64      | 43      |
| 50137P-9  | 2#/9mm        |  |         |         |
| 50137P-11 | 2#/11mm       |  |         |         |
| 50137P-13 | 2#/13mm       |  | 67      | 45      |
| 50137P-15 | 2#/15mm       |  |         |         |
| 50138P-9  | 3#/9mm        |  |         |         |
| 50138P-11 | 3#/11mm       |  | 71      | 47      |
| 50138P-13 | 3#/13mm       |  |         |         |
| 50138P-15 | 3#/15mm       |  |         |         |
| 50139P-9  | 4#/9mm        | 76   | 51      |         |
| 50139P-11 | 4#/11mm       |  |         |         |
| 50139P-13 | 4#/13mm       |  |         |         |
| 50139P-15 | 4#/15mm       | 79   | 54      |         |
| 50140P-9  | 5#/9mm        |  |         |         |
| 50140P-11 | 5#/11mm       |  |         |         |
| 50140P-13 | 5#/13mm       |  |         |         |
| 50140P-15 | 5#/15mm       |  |         |         |
| 50141P-9  | 6#/9mm        |  |         |         |
| 50141P-11 | 6#/11mm       |  |         |         |
| 50141P-13 | 6#/13mm       |  |         |         |
| 50141P-15 | 6#/15mm       |  |         |         |

# XCKK Revision Knee System

- Interchangeable femoral and tibial components of XCKK constrained condylar knee prosthesis and X4 primary knee prosthesis .
- The system is designed to simplify the complex through intelligent, flexible design and efficient surgical techniques:
  - Varus-valgus deformities
  - Flexion contracture deformity
  - Ligament dysfunction
  - Bone defects, etc.
- 360° Offset Adaptor Capability:
  - Ensure that the extension rod is in the center of the medullary canal
  - Ensure that the femoral condyle prosthesis and tibial plateau prosthesis have wider bone coverage
  - Help the surgeon avoid excessively expanding the medullary canal for wider bone coverage
- Optimal design of augments can better address bone defects on the femoral and tibial sides and improve the stability during implantation
- Provides multiple sizes of the extention stems to meet various surgical requirements.
- 360° offset Adaptor
  - Offset length: 2 mm, 4 mm, 6 mm
  - Length: 25 mm



## XCKK Femoral Condyle

| Cat. No. | Specification | Product Description                        | ML(mm) | AP(mm) |
|----------|---------------|--|--------|--------|
| 52001-1L | 1#L           | Product Name: XCKK Femoral Condyle RY A202 | 57     | 53     |
| 52001-2L | 2#L           |  | 60     | 56     |
| 52001-3L | 3#L           |  | 63     | 59     |
| 52001-4L | 4#L           |  | 66     | 62     |
| 52001-5L | 5#L           |  | 71     | 66     |
| 52001-6L | 6#L           |  | 74     | 69     |
| 52001-1R | 1#R           | Material: CoCrMo                           | 57     | 53     |
| 52001-2R | 2#R           |  | 60     | 56     |
| 52001-3R | 3#R           |  | 63     | 59     |
| 52001-4R | 4#R           |  | 66     | 62     |
| 52001-5R | 5#R           |  | 71     | 66     |
| 52001-6R | 6#R           |  | 74     | 69     |

## XCKK Tibial Tray

| Cat. No. | Specification | Product Description                    | ML(mm) | AP(mm) |
|----------|---------------|--|--------|--------|
| 52002-1  | 1#            | Product Name: XCKK Tibial Tray RY B402 | 61     | 41     |
| 52002-2  | 2#            |  | 64     | 43     |
| 52002-3  | 3#            |  | 67     | 45     |
| 52002-4  | 4#            |  | 71     | 47     |
| 52002-5  | 5#            | Material: CoCrMo                       | 76     | 51     |
| 52002-6  | 6#            |  | 79     | 54     |



## XCKK Tibial Insert

| Cat. No.   | Specification | Product Description                      | ML (mm)    | AP (mm) | Cat. No.   | Specification | Product Description                      | ML (mm) | AP (mm) |
|------------|---------------|--|------------|---------|------------|---------------|--|---------|---------|
| 52003-1-9  | 1#/9mm        | Product Name: XCKK Tibial Insert RY C402 | 61         | 41      | 52003-4-9  | 4#/9mm        | Product Name: XCKK Tibial Insert RY C402 | 71      | 47      |
| 52003-1-11 | 1#/11mm       |  |            |         | 52003-4-11 | 4#/11mm       |  |         |         |
| 52003-1-13 | 1#/13mm       |  |            |         | 52003-4-13 | 4#/13mm       |  |         |         |
| 52003-1-15 | 1#/15mm       |  |            |         | 52003-4-15 | 4#/15mm       |  |         |         |
| 52003-1-18 | 1#/18mm       |  |            |         | 52003-4-18 | 4#/18mm       |  |         |         |
| 52003-1-21 | 1#/21mm       |  |            |         | 52003-4-21 | 4#/21mm       |  |         |         |
| 52003-2-9  | 2#/9mm        |  | 52003-5-9  | 5#/9mm  | 76         | 51            |  |         |         |
| 52003-2-11 | 2#/11mm       |  | 52003-5-11 | 5#/11mm |            |               |  |         |         |
| 52003-2-13 | 2#/13mm       |  | 52003-5-13 | 5#/13mm |            |               |  |         |         |
| 52003-2-15 | 2#/15mm       |  | 52003-5-15 | 5#/15mm |            |               |  |         |         |
| 52003-2-18 | 2#/18mm       |  | 52003-5-18 | 5#/18mm |            |               |  |         |         |
| 52003-2-21 | 2#/21mm       |  | 52003-5-21 | 5#/21mm |            |               |  |         |         |
| 52003-3-9  | 3#/9mm        |  | 52003-6-9  | 6#/9mm  | 79         | 54            |  |         |         |
| 52003-3-11 | 3#/11mm       |  | 52003-6-11 | 6#/11mm |            |               |  |         |         |
| 52003-3-13 | 3#/13mm       |  | 52003-6-13 | 6#/13mm |            |               |  |         |         |
| 52003-3-15 | 3#/15mm       |  | 52003-6-15 | 6#/15mm |            |               |  |         |         |
| 52003-3-18 | 3#/18mm       |  | 52003-6-18 | 6#/18mm |            |               |  |         |         |
| 52003-3-21 | 3#/21mm       |  | 52003-6-21 | 6#/21mm |            |               |  |         |         |

## Matching Table

| Tibial Insert | Tibial Tray | XCKK Femoral Condyle |    |    |    |    |    |
|---------------|-------------|----------------------|----|----|----|----|----|
|               |             | 1#                   | 2# | 3# | 4# | 5# | 6# |
| 1#            | 1#          | ■                    | ■  |    |    |    |    |
| 2#            | 2#          | ■                    | ■  | ■  |    |    |    |
| 3#            | 3#          |                      | ■  | ■  | ■  |    |    |
| 4#            | 4#          |                      |    | ■  | ■  | ■  |    |
| 5#            | 5#          |                      |    |    | ■  | ■  | ■  |
| 6#            | 6#          |                      |    |    |    | ■  | ■  |

# XCCK Revision Knee System



## XCCK Extension Stem

| Cat. No.     | Specification | Product Description   |
|--------------|---------------|---|
| 52004-10-80  | φ10x80mm      | <b>Product Name:</b> XCCK Extension Stem<br><b>XR D05</b><br><b>Material:</b> Ti6Al4V |
| 52004-12-80  | φ12x80mm      |   |
| 52004-14-80  | φ14x80mm      |   |
| 52004-16-80  | φ16x80mm      |   |
| 52004-18-80  | φ18x80mm      |   |
| 52004-10-120 | φ10x120mm     |   |
| 52004-12-120 | φ12x120mm     |   |
| 52004-14-120 | φ14x120mm     |   |
| 52004-16-120 | φ16x120mm     |   |
| 52004-18-120 | φ18x120mm     |   |
| 52010-15-30  | φ15x30mm      |   |



## XCCK Offset Adaptor

| Cat. No.   | Specification | Product Description   | Offset |
|------------|---------------|---|--------|
| 52011-2-25 | 25/2mm        | <b>Product Name:</b> XCCK Offset Adaptor<br><b>XR M04</b><br><b>Material:</b> Ti6Al4V | 2mm    |
| 52011-4-25 | 25/4mm        |   | 4mm    |
| 52011-6-25 | 25/6mm        |   | 6mm    |
|            |               |   |        |



## XCCK Posterior Femoral Augment

| Cat. No.   | Specification | Product Description  | Thickness |
|------------|---------------|--|-----------|
| 52005-1-5  | 1#/5mm        | <b>Product Name:</b> XCCK Posterior Femoral Augment<br><b>XR K02</b><br><b>Material:</b> Ti6Al4V | 5mm       |
| 52005-2-5  | 2#/5mm        |  | 5mm       |
| 52005-3-5  | 3#/5mm        |  | 5mm       |
| 52005-4-5  | 4#/5mm        |  | 5mm       |
| 52005-5-5  | 5#/5mm        |  | 5mm       |
| 52005-6-5  | 6#/5mm        |  | 5mm       |
| 52005-1-10 | 1#/10mm       |  | 10mm      |
| 52005-2-10 | 2#/10mm       |  | 10mm      |
| 52005-3-10 | 3#/10mm       |  | 10mm      |
| 52005-4-10 | 4#/10mm       |  | 10mm      |
| 52005-5-10 | 5#/10mm       |  | 10mm      |
| 52005-6-10 | 6#/10mm       |  | 10mm      |



## XCCK Distal Femoral Augment

| Cat. No.   | Specification | Product Description   | Thickness |
|------------|---------------|---|-----------|
| 52006-1-5  | 1#/5mm        | <b>Product Name:</b> XCCK Distal Femoral Augment<br><b>XR K01</b><br><b>Material:</b> Ti6Al4V | 5mm       |
| 52006-2-5  | 2#/5mm        |   | 5mm       |
| 52006-3-5  | 3#/5mm        |   | 5mm       |
| 52006-4-5  | 4#/5mm        |   | 5mm       |
| 52006-5-5  | 5#/5mm        |   | 5mm       |
| 52006-6-5  | 6#/5mm        |   | 5mm       |
| 52006-1-10 | 1#/10mm       |   | 10mm      |
| 52006-2-10 | 2#/10mm       |   | 10mm      |
| 52006-3-10 | 3#/10mm       |   | 10mm      |
| 52006-4-10 | 4#/10mm       |   | 10mm      |
| 52006-5-10 | 5#/10mm       |   | 10mm      |
| 52006-6-10 | 6#/10mm       |   | 10mm      |



## XCCK Revision Knee System



### XCCK Tibial Augment

| Cat. No.    | Specification | Product Description                                   | Thickness |
|-------------|---------------|---|-----------|
| 52007-1L-5  | 1#/5mm        | <b>Product Name:</b> XCCK Tibial Augment (half block) | 5mm       |
| 52007-2L-5  | 2#/5mm        |   | 5mm       |
| 52007-3L-5  | 3#/5mm        |   | 5mm       |
| 52007-4L-5  | 4#/5mm        |   | 5mm       |
| 52007-5L-5  | 5#/5mm        |   | 5mm       |
| 52007-6L-5  | 6#/5mm        |   | 5mm       |
| 52007-1L-10 | 1#/10mm       | <b>XR L01</b>   | 10mm      |
| 52007-2L-10 | 2#/10mm       |   | 10mm      |
| 52007-3L-10 | 3#/10mm       |   | 10mm      |
| 52007-4L-10 | 4#/10mm       |   | 10mm      |
| 52007-5L-10 | 5#/10mm       |   | 10mm      |
| 52007-6L-10 | 6#/10mm       |   | 10mm      |



### XCCK Tibial Augment

| Cat. No.    | Specification | Product Description                                   | Thickness |
|-------------|---------------|---|-----------|
| 52007-1R-5  | 1#/5mm        | <b>Product Name:</b> XCCK Tibial Augment (half block) | 5mm       |
| 52007-2R-5  | 2#/5mm        |   | 5mm       |
| 52007-3R-5  | 3#/5mm        |   | 5mm       |
| 52007-4R-5  | 4#/5mm        |   | 5mm       |
| 52007-5R-5  | 5#/5mm        |   | 5mm       |
| 52007-6R-5  | 6#/5mm        |   | 5mm       |
| 52007-1R-10 | 1#/10mm       | <b>XR L01</b>   | 10mm      |
| 52007-2R-10 | 2#/10mm       |   | 10mm      |
| 52007-3R-10 | 3#/10mm       |   | 10mm      |
| 52007-4R-10 | 4#/10mm       |   | 10mm      |
| 52007-5R-10 | 5#/10mm       |   | 10mm      |
| 52007-6R-10 | 6#/10mm       |   | 10mm      |

## 3D Printed Cone for Knee

- ▶ Excellent osseointegration of 3D printed trabecular metal.
- ▶ High porosity trabecular structure naturally has the immediate stability and long-term stability required for prosthesis fixation.
- ▶ Titanium alloy material avoids bone resorption and has good biocompatibility.
- ▶ The modulus of elasticity is close to bone, avoiding stress shielding.
- ▶ A variety of fixation methods can be switched flexibly during operation.
- ▶ The operation is simple and can shorten the operation time.



## Cone for Tibial Side

| Cat. No.      | Product Description  | Size Ref.                            |
|---------------|--|--------------------------------------|
| A5451-0125    | <b>Product Name:</b> Cone for Tibial Side<br><b>XR L05</b> | 1#/25mm                              |
| A5451-0225    |  | 2#/25mm                              |
| A5451-0325    |  | 3#/25mm                              |
| A5451-0425    |  | <b>Material:</b> Ti6Al4V<br>4#/25mm  |
| A5452-0115    | <b>Product Name:</b> Cone for Tibial Side<br><b>XR L07</b> | 1#/15mm                              |
| A5452-0215    |  | 2#/15mm                              |
| A5452-0230    |  | 2#/30mm                              |
| A5452-0315    |  | 3#/15mm                              |
| A5452-0330    |  | <b>Material:</b> Ti6Al4V<br>3#/30mm  |
| A5453-02-1530 | <b>Product Name:</b> Cone for Tibial Side<br><b>XR L08</b> | 2#-30mmR                             |
| A5453-03-1530 |  | 3#-30mmR                             |
| A5453-02-3015 |  | 2#-30mmL                             |
| A5453-03-3015 |  | <b>Material:</b> Ti6Al4V<br>3#-30mmL |



## Cone for Femoral Side

| Cat. No.    | Product Description   | Size Ref. |
|-------------|---|-----------|
| A5501-0125R | <b>Product Name:</b> Cone for Femoral Side<br><b>XR K04</b> | 1#-25mmR  |
| A5501-0225R |   | 2#-25mmR  |
| A5501-0325R |   | 3#-25mmR  |
| A5501-0125L |   | 1#-25mmL  |
| A5501-0225L |   | 2#-25mmL  |
| A5501-0325L |   | 3#-25mmL  |
| A5503-0130R | <b>Product Name:</b> Cone for Femoral Side<br><b>XR K09</b> | 1#-30mmR  |
| A5503-0135R |   | 1#-35mmR  |
| A5503-0230R |   | 2#-30mmR  |
| A5503-0235R |   | 2#-35mmR  |
| A5503-0330R |   | 3#-30mmR  |
| A5503-0335R |   | 3#-35mmR  |
| A5503-0130L |   | 1#-30mmL  |
| A5503-0135L |   | 1#-35mmL  |
| A5503-0230L |   | 2#-30mmL  |
| A5503-0235L | 2#-35mmL  |           |
| A5503-0330L | 3#-30mmL  |           |
| A5503-0335L | 3#-35mmL  |           |



| Cat. No.    | Product Description   | Size Ref. |
|-------------|---|-----------|
| A5502-0125R | <b>Product Name:</b> Cone for Femoral Side<br><b>XR K06</b> | 1#-25mmR  |
| A5502-0135R |   | 1#-35mmR  |
| A5502-0145R |   | 1#-45mmR  |
| A5502-0225R |   | 2#-25mmR  |
| A5502-0235R |   | 2#-35mmR  |
| A5502-0245R |   | 2#-45mmR  |
| A5502-0325R | <b>Product Name:</b> Cone for Femoral Side<br><b>XR K06</b> | 3#-25mmR  |
| A5502-0335R |   | 3#-35mmR  |
| A5502-0345R |   | 3#-45mmR  |
| A5502-0125L |   | 1#-25mmL  |
| A5502-0135L |   | 1#-35mmL  |
| A5502-0145L |   | 1#-45mmL  |
| A5502-0225L |   | 2#-25mmL  |
| A5502-0235L |   | 2#-35mmL  |
| A5502-0245L |   | 2#-45mmL  |
| A5502-0325L | 3#-25mmL  |           |
| A5502-0335L | 3#-35mmL  |           |
| A5502-0345L | 3#-45mmL  |           |



# CUSTOM-MADE TUMOR PROSTHESES SYSTEM



Segmental Prosthesis



Hinge Knee Joint



Paediatrics Knee Joint



Rotated Femoral Knee Joint



Distal Femoral Semi-Knee Joint



Adjustable Rotated Distal Femoral Knee Joint



Rotated Tibial Knee Joint



Proximal Tibial Semi-Knee Joint



Adjustable Rotated Proximal Tibial Knee Joint



Modular Hip Joint



Modular Total Femoral Joint



Modular Distal Femoral Knee Joint



Hinge Knee Joint



Modular Total Knee Joint



Modular Proximal Tibial Joint

## Modular Hip Joint

- ▶ Tendon suture holes in the greater and lesser trochanters are reserved to restore the tendon function.
- ▶ Conical press-fit locking mechanism is utilized between prosthesis components for better fixation.
- ▶ Arbitrary combination of components allows intraoperative flexible installation to achieve precise resection.
- ▶ Available in several model configurations of distal medullary canal to reconstruct osteoarticular defects of varying sizes.
- ▶ The prosthesis is packaged sterile, and is safer and more reliable to use.



### Proximal Femur

| Cat. No. | Specification | Product Description   | Length(mm) |
|----------|---------------|---|------------|
| 51801    | 1#            | <b>Product Name:</b> Proximal Femur XF 1201A<br><b>Neck Shaft Angle:</b> 130°<br><b>Taper:</b> 12/14<br><b>Material:</b> CoCrMo | 62         |



### Extension Piece

| Cat. No.  | Specification | Product Description   | Length(mm) |
|-----------|---------------|---|------------|
| 51504-030 | φ26x30        | <b>Product Name:</b> Extension Piece XR M01<br><b>Material:</b> Ti6Al4V | 30         |
| 51504-040 | φ26x40        |   | 40         |
| 51504-050 | φ26x50        |   | 50         |
| 51504-060 | φ26x60        |   | 60         |
| 51504-070 | φ26x70        |   | 70         |
| 51504-080 | φ26x80        |   | 80         |
| 51504-100 | φ26x100       |   | 100        |
| 51504-120 | φ26x120       |   | 120        |
| 51504-140 | φ26x140       |   | 140        |
| 51504-160 | φ26x160       |   | 160        |
| 51504-180 | φ26x180       | 180   |            |
| 51504-200 | φ26x200       | 200   |            |



### Connection Piece

| Cat. No.   | Specification | Product Description  | Length(mm) |
|------------|---------------|--|------------|
| 51802-080R | 80mmR         | <b>Product Name:</b> Connection Piece XR M02<br><b>Material:</b> Ti6Al4V | 80mm       |
| 51803-090R | 90mmR         |  | 90mm       |
| 51802-080L | 80mmL         | <b>Material:</b> Ti6Al4V   | 80mm       |
| 51803-090L | 90mmL         |  | 90mm       |





### Tumor Extension Stem

| Cat. No. | Specification | Product Description   | Length (mm) |
|----------|---------------|---|-------------|
| 51503-01 | φ9x110        | <b>Product Name:</b><br>Tumor Extension Stem<br><b>XR D01</b><br><br><b>Material:</b> Ti6Al4V | 110         |
| 51503-02 | φ10x125       |   | 125         |
| 51503-03 | φ11x120       |   | 120         |
| 51503-04 | φ12x150       |   | 150         |
| 51503-05 | φ13x150       |   | 150         |
| 51503-06 | φ14x150       |   | 150         |
| 51503-07 | φ11x150       |   | 150         |
| 51503-08 | φ12x120       |   | 120         |

### Tumor Extension Stem (curved)

| Cat. No. | Specification | Product Description  | Length (mm) |
|----------|---------------|--|-------------|
| 51505-01 | φ9x110        | <b>Product Name:</b><br>Tumor Extension Stem (curved)<br><b>XR D03</b><br><br><b>Material:</b> Ti6Al4V | 110         |
| 51505-02 | φ10x125       |  | 125         |
| 51505-03 | φ11x120       |  | 120         |
| 51505-04 | φ12x150       |  | 150         |
| 51505-05 | φ13x150       |  | 150         |
| 51505-06 | φ14x150       |  | 150         |
| 51505-07 | φ11x180       |  | 180         |
| 51505-08 | φ12x180       |  | 180         |
| 51505-09 | φ13x180       |  | 180         |
| 51505-10 | φ14x180       |  | 180         |
| 51505-11 | φ11x150       |  | 150         |
| 51505-12 | φ12x120       |  | 120         |
| 51505-13 | φ13x120       |  | 120         |

## Hinge and Tumor Knee System

- Applicable to bone loss due to knee tumors, comminuted fractures, or other reasons.
- Flexion and rotation functions of the knee prosthesis reduce the rotation stress of the extension stem and avoid the occurrence of prosthesis loosening.
- Conical press-fit locking mechanism is utilized between prosthesis components for better fixation.
- Available in several model (such as curved and straight) configurations of the distal extension stem to meet more clinical needs.
- Arbitrary combination of components into various joint prostheses such as the distal femur, proximal tibia, tumor knee and total femur according to the needs of clinicians



### Hinge Femoral Condyle

| Cat. No. | Specification | Product Description   | ML (mm) | AP (mm) |
|----------|---------------|---|---------|---------|
| 51401-1  | 1#L           | <b>Product Name:</b> Hinge Femoral Condyle<br><b>XR A302</b><br><br><b>Material:</b> CoCrMo | 60      | 54      |
| 51401-2  | 2#L           |   | 65      | 56      |
| 51401-3  | 3#L           |   | 70      | 59      |
| 51401-4  | 1#R           |   | 60      | 54      |
| 51401-5  | 2#R           |   | 65      | 56      |
| 51401-6  | 3#R           |   | 70      | 59      |



### Tumor Femoral Condyle

| Cat. No. | Specification | Product Description   | ML (mm) | AP (mm) |
|----------|---------------|---|---------|---------|
| 51501-1  | 1#L           | <b>Product Name:</b> Tumor Femoral Condyle<br><b>XR A301</b><br><br><b>Material:</b> CoCrMo | 52      | 45      |
| 51501-2  | 2#L           |   | 60      | 54      |
| 51501-3  | 1#R           |   | 52      | 45      |
| 51501-4  | 2#R           |   | 60      | 54      |



### Axle

| Cat. No. | Specification | Product Description   | Length(mm) |
|----------|---------------|---|------------|
| 51407-52 | φ10x52        | <b>Product Name:</b> Axle<br><b>XR G02</b><br><br><b>Material:</b> CoCrMo | 52         |
| 51407-64 | φ10x64        |   | 64         |



### Matching Table

| Component             | 1#L/1#R | 2#L/2#R | 3#L/3#R | Remark   |
|-----------------------|---------|---------|---------|--|
| Tumor Femoral Condyle | 1#L/1#R | 2#L/2#R | /       | <b>Remark:</b> Femoral Condyle could match with all size of Tibial Insert. |
| Hinge Femoral Condyle | 1#L/1#R | 2#L/2#R | 3#L/3#R |  |
| Axle                  | 52mm    |         | 64mm    |  |

### Hinge Tibial Tray

| Cat. No. | Specification | Product Description   | ML (mm) | AP (mm) |
|----------|---------------|---|---------|---------|
| 51402-1  | 1#            | <b>Product Name:</b> Hinge Tibial Tray<br><b>XR B301</b><br><br><b>Material:</b> CoCrMo | 55      | 42      |
| 51402-2  | 2#            |   | 60      | 44      |
| 51402-3  | 3#            |   | 65      | 46      |
| 51402-4  | 4#            |   | 70      | 48      |
| 51402-5  | 5#            |   | 75      | 50      |



### Tumor Tibial Tray

| Cat. No. | Specification | Product Description   | ML (mm) | AP (mm) |
|----------|---------------|---|---------|---------|
| 51502-1  | 1#            | <b>Product Name:</b> Tumor Tibial Tray<br><b>XR B302</b><br><br><b>Material:</b> CoCrMo | 55      | 42      |
| 51502-2  | 2#            |   | 60      | 44      |
| 51502-3  | 3#            |   | 65      | 46      |
| 51506-1  | 1#            |   | 55      | 42      |
| 51506-2  | 2#            |   | 60      | 44      |
| 51506-3  | 3#            |   | 65      | 46      |



### Tibial Rotating Component

| Cat. No. | Specification | Product Description  | Length(mm) |
|----------|---------------|--|------------|
| 51404-51 | 51mm          | <b>Product Name:</b> Tibial Rotating Component<br><b>XR F01</b><br><br><b>Material:</b> CoCrMo | 51         |
| 51404-61 | 61mm          |  | 61         |



## Tibial Insert

| Cat. No.   | Specification | Product Description   | ML (mm) | AP (mm) |
|------------|---------------|---|---------|---------|
| 51405-1-11 | 1#/11mm       | <b>Product Name:</b> Tibial insert<br><b>XR C301</b><br><b>Material:</b> UHMWPE | 55      | 42      |
| 51405-1-13 | 1#/13mm       |   |         |         |
| 51405-1-16 | 1#/16mm       |   |         |         |
| 51405-2-11 | 2#/11mm       |   | 60      | 44      |
| 51405-2-13 | 2#/13mm       |   |         |         |
| 51405-2-16 | 2#/16mm       |   |         |         |
| 51405-3-11 | 3#/11mm       |   | 65      | 46      |
| 51405-3-13 | 3#/13mm       |   |         |         |
| 51405-3-16 | 3#/16mm       |   |         |         |
| 51405-4-11 | 4#/11mm       |   | 70      | 48      |
| 51405-4-13 | 4#/13mm       |   |         |         |
| 51405-4-16 | 4#/16mm       |   |         |         |
| 51405-5-11 | 5#/11mm       |   | 75      | 50      |
| 51405-5-13 | 5#/13mm       |   |         |         |
| 51405-5-16 | 5#/16mm       |   |         |         |



## Matching Table

| Hing Tibial Tray          | 1#   | 2# | 3#   | 4# | 5# | <b>Remark:</b> Tibial Insert<br>could match with all size<br>of Femoral Condyle. |
|---------------------------|------|----|------|----|----|--|
| Tumor Tibial Tray         | 1#   | 2# | 3#   |    |    |  |
| Tibial Rotating Component | 51mm |    | 61mm |    |    |  |
| Tibial Insert             | 1#   | 2# | 3#   | 4# | 5# |  |



## Hinge Extension Stem

| Cat. No. | Specification | Product Description   | Length (mm) |
|----------|---------------|---|-------------|
| 51409-01 | φ10x90        | <b>Product Name:</b><br>Hinge Extension Stem<br><b>XR D02</b><br><b>Material:</b> Ti6Al4V | 90mm        |
| 51409-02 | φ11x100       |   | 100mm       |
| 51409-03 | φ12x110       |   | 110mm       |
| 51409-04 | φ13x120       |   | 120mm       |



## Tumor Extension Stem (curved)

| Cat. No. | Specification | Product Description   | Length (mm) |
|----------|---------------|---|-------------|
| 51505-01 | φ9x110        | <b>Product Name:</b><br>Tumor Extension<br>Stem (curved)<br><b>XR D03</b><br><b>Material:</b> Ti6Al4V | 110         |
| 51505-02 | φ10x125       |   | 125         |
| 51505-03 | φ11x120       |   | 120         |
| 51505-04 | φ12x150       |   | 150         |
| 51505-05 | φ13x150       |   | 150         |
| 51505-06 | φ14x150       |   | 150         |
| 51505-07 | φ11x180       |   | 180         |
| 51505-08 | φ12x180       |   | 180         |
| 51505-09 | φ13x180       |   | 180         |
| 51505-10 | φ14x180       |   | 180         |
| 51505-11 | φ11x150       |   | 150         |
| 51505-12 | φ12x120       |   | 120         |
| 51505-13 | φ13x120       |   | 120         |



## Tumor Extension Stem

| Cat. No. | Specification | Product Description  | Length (mm) |
|----------|---------------|--|-------------|
| 51503-01 | φ9x110        | <b>Product Name:</b><br>Tumor Extension<br>Stem<br><b>XR D01</b><br><b>Material:</b> Ti6Al4V | 110         |
| 51503-02 | φ10x125       |  | 125         |
| 51503-03 | φ11x120       |  | 120         |
| 51503-04 | φ12x150       |  | 150         |
| 51503-05 | φ13x150       |  | 150         |
| 51503-06 | φ14x150       |  | 150         |
| 51503-07 | φ11x150       |  | 150         |
| 51503-08 | φ12x120       |  | 120         |



## Extension Piece

| Cat. No.  | Specification | Product Description  | Length (mm) |
|-----------|---------------|--|-------------|
| 51504-030 | φ26x30        | <b>Product Name:</b><br>Extension Piece<br><b>XR M01</b><br><b>Material:</b> Ti6Al4V | 30          |
| 51504-040 | φ26x40        |  | 40          |
| 51504-050 | φ26x50        |  | 50          |
| 51504-060 | φ26x60        |  | 60          |
| 51504-070 | φ26x70        |  | 70          |
| 51504-080 | φ26x80        |  | 80          |
| 51504-100 | φ26x100       |  | 100         |
| 51504-120 | φ26x120       |  | 120         |
| 51504-140 | φ26x140       |  | 140         |
| 51504-160 | φ26x160       |  | 160         |
| 51504-180 | φ26x180       |  | 180         |
| 51504-200 | φ26x200       |  | 200         |

## Modular Total Femoral Joint

- Applicable to large-range femoral tumors.
- Porous fixation of proximal prosthesis facilitates the reconstruction of the surrounding soft tissue.
- Arbitrary combination of components allows intraoperative flexible installation.
- The connection piece designed with the anteversion of 15° is different on the left and right sides.



## Rotated Femoral Knee Joint

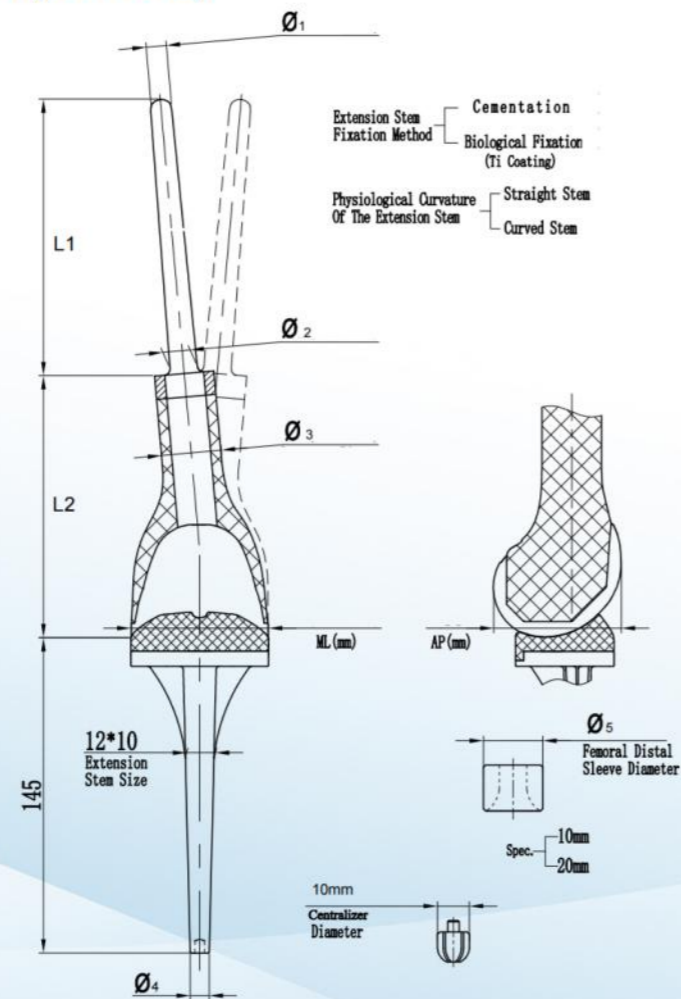
- Physiological curvature of the extension stem on the femoral side approximates the human bone morphology to ensure uniform cement thickness.
- The same flexion and rotation functions as the human knee joint alleviate extension stem torque and uniformly fix the prosthesis and bone.
- The articular surface of the site where the femoral plateau is in contact with the tibial plateau is made of wear-resistant CoCrMo alloy and UHMWPE combined using the press-fit technology to reduce wear and increase the service life of the joint.





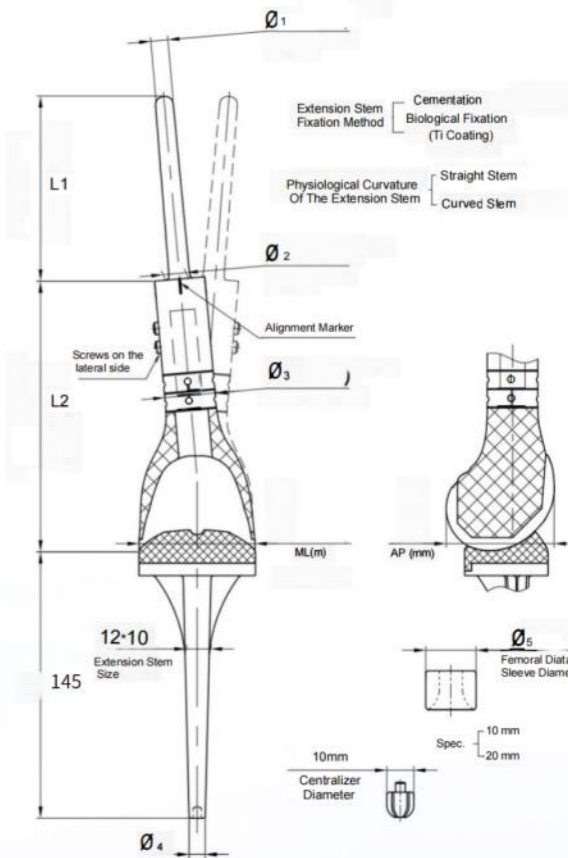
### Rotated Distal Femoral Knee Joint (XR P01-1)

| Reference | Specification (mm)      |
|-----------|-------------------------|
| L1        | 60-180 (5 inc.)         |
| L2        | 75-200 (10 inc.)        |
| φ1        | 9-15 (1 inc.)           |
| φ2        | 10-16 (1 inc.)          |
| φ3        | 24-40 (2 inc.)          |
| φ4        | 8                       |
| φ5        | 24-40 (2 Inc.)          |
| ML*AP     | 60*55 / 64*55 / 70*57   |
| Material  | Ti6Al4V, CoCrMo, UHMWPE |



### Adjustable Rotated Distal Femoral Knee Joint (XR P01-3)

| Reference | Specification (mm)      |
|-----------|-------------------------|
| L1        | 60-180 (5 inc.)         |
| L2        | 125-205 (10 inc.)       |
| φ1        | 9-15 (1 inc.)           |
| φ2        | 10-16 (1 inc.)          |
| φ3        | 24-40 (2 inc.)          |
| φ4        | 8                       |
| φ5        | 24-40 (2 Inc.)          |
| ML*AP     | 60*55 / 64*55 / 70*57   |
| Material  | Ti6Al4V, CoCrMo, UHMWPE |



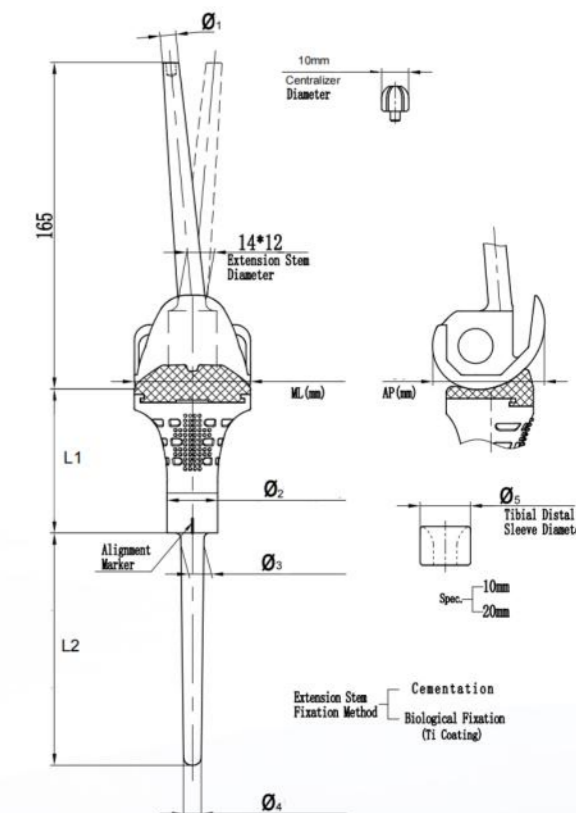
## Rotated Tibial Knee Joint

- ▶ Applicable to knee tibial tumors or comminuted fractures, and customized into different sizes and specifications depending on the different conditions and bone characteristics of patients.
- ▶ The semi-femoral condyle design ensures more bone preserving.
- ▶ Six-hole and grafting-type design of the tibial tray is conducive to patellar ligament reconstruction.



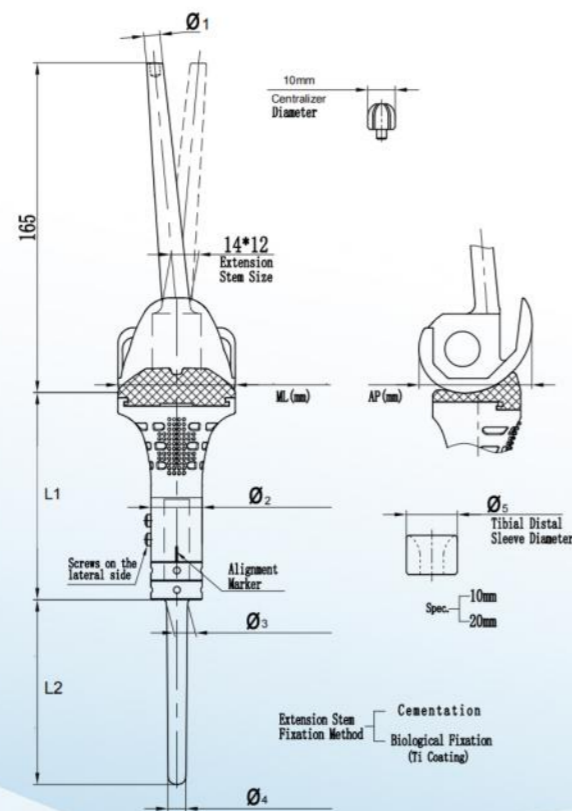
## Rotated Proximal Tibial Knee Joint (XR P02-2)

| Reference | Specification (mm)      |
|-----------|-------------------------|
| L1        | 70-180 (10 inc.)        |
| L2        | 60-180 (5 inc.)         |
| φ1        | 8                       |
| φ2        | 22-32 (2 inc.)          |
| φ3        | 9-15(1 inc.)            |
| φ4        | 8-14(1 inc.)            |
| φ5        | 22-32(2 inc.)           |
| ML*AP     | 60*57 / 64*57 / 70*59   |
| Material  | Ti6Al4V, CoCrMo, UHMWPE |



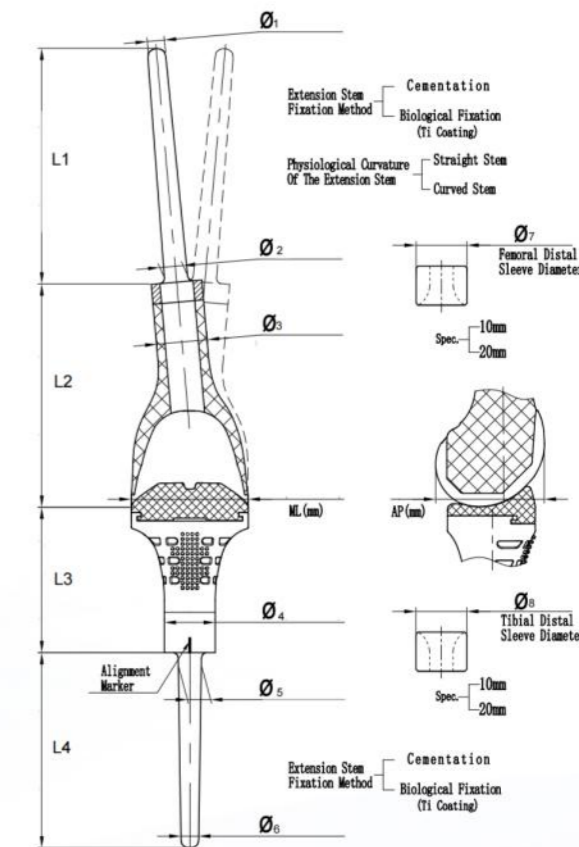
### Adjustable Rotated Proximal Tibial Knee Joint (XR P02-4)

| Reference | Specification (mm)      |
|-----------|-------------------------|
| L1        | 125-205 (10 inc.)       |
| L2        | 60-180 (5 inc.)         |
| φ1        | 8                       |
| φ2        | 22-32 (2 inc.)          |
| φ3        | 9-15(1 inc.)            |
| φ4        | 8-14(1 inc.)            |
| φ5        | 22-32(2 inc.)           |
| ML*AP     | 60*57 / 64*57 / 70*59   |
| Material  | Ti6Al4V, CoCrMo, UHMWPE |



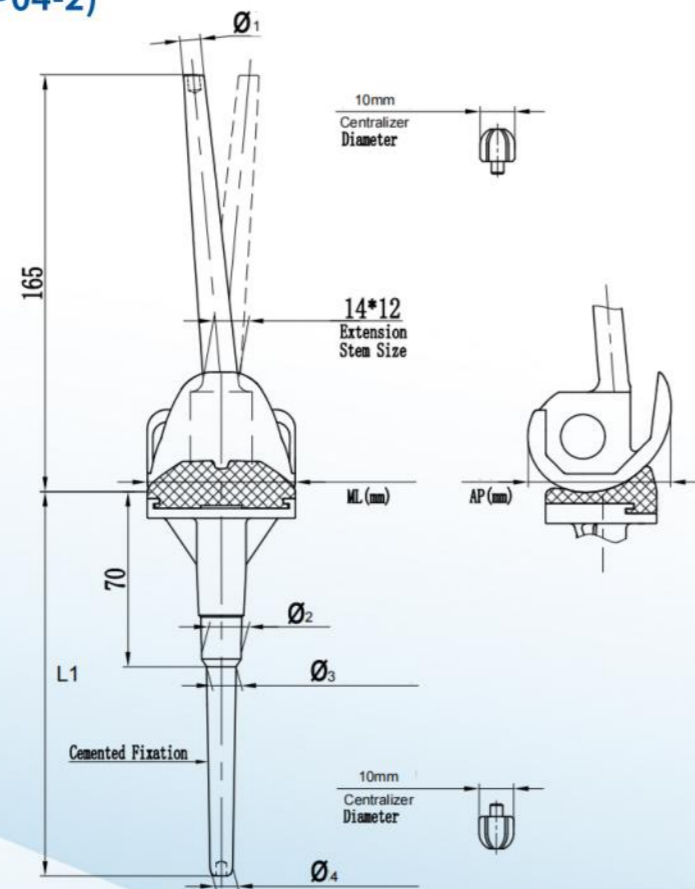
### Total Knee Joint (XR P03-3)

| Reference | Specification (mm)      |
|-----------|-------------------------|
| L1        | 60-180 (5 inc.)         |
| L2        | 75-200 (5 inc.)         |
| L3        | 70-180 (5 inc.)         |
| L4        | 60-180 (5 inc.)         |
| φ1        | 9-15 (1 inc.)           |
| φ2        | 10-16 (1 inc.)          |
| φ3        | 24-40 (2 inc.)          |
| φ4        | 22-32 (2 inc.)          |
| φ5        | 9-15 (1 inc.)           |
| φ6        | 8-14 (1 inc.)           |
| φ7        | 24-40 (2 Inc.)          |
| φ8        | 22-32 (2 inc.)          |
| ML*AP     | 60*55 / 64*55 / 70*57   |
| Material  | Ti6Al4V, CoCrMo, UHMWPE |



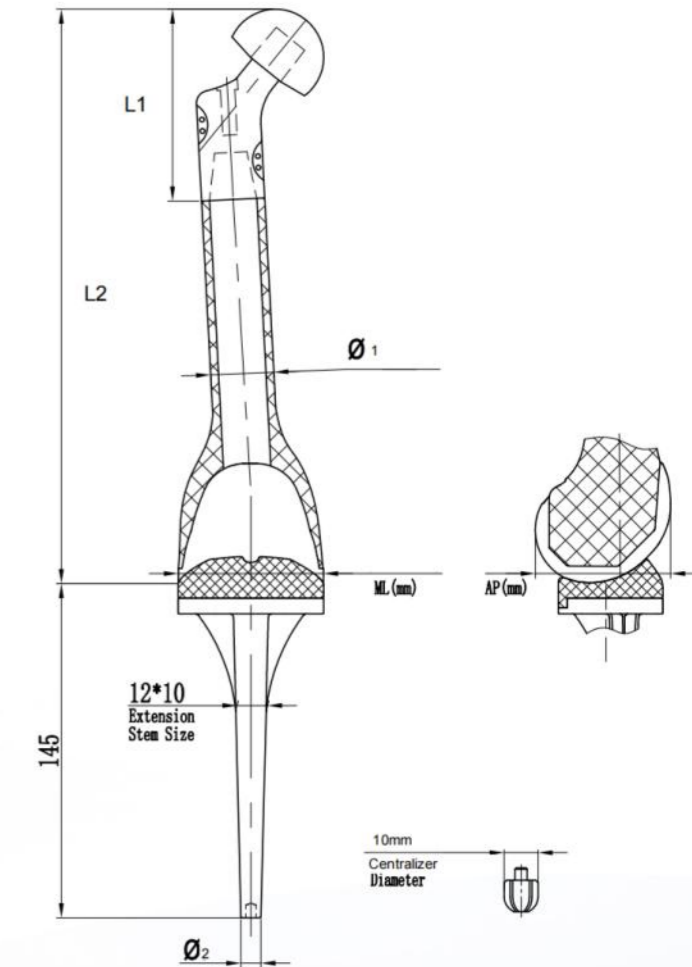
### Standard Hinge Knee Joint (XR P04-2)

| Reference | Specification (mm)      |
|-----------|-------------------------|
| L1        | 140-190 (5 inc.)        |
| $\phi 1$  | 8                       |
| $\phi 2$  | 16                      |
| $\phi 3$  | 9-14 (1 inc.)           |
| $\phi 4$  | 8-13 (1 inc.)           |
| ML*AP     | 60*57 / 64*57 / 70*59   |
| Material  | Ti6Al4V, CoCrMo, UHMWPE |



### Total Femoral Joint (XR P03-4)

| Reference | Specification (mm)      |
|-----------|-------------------------|
| L1        | 60-80 (10 inc.)         |
| L2        | 160-450 (5 inc.)        |
| $\phi 1$  | 25                      |
| $\phi 2$  | 8                       |
| ML*AP     | 60*55 / 64*55 / 70*57   |
| Material  | Ti6Al4V, CoCrMo, UHMWPE |



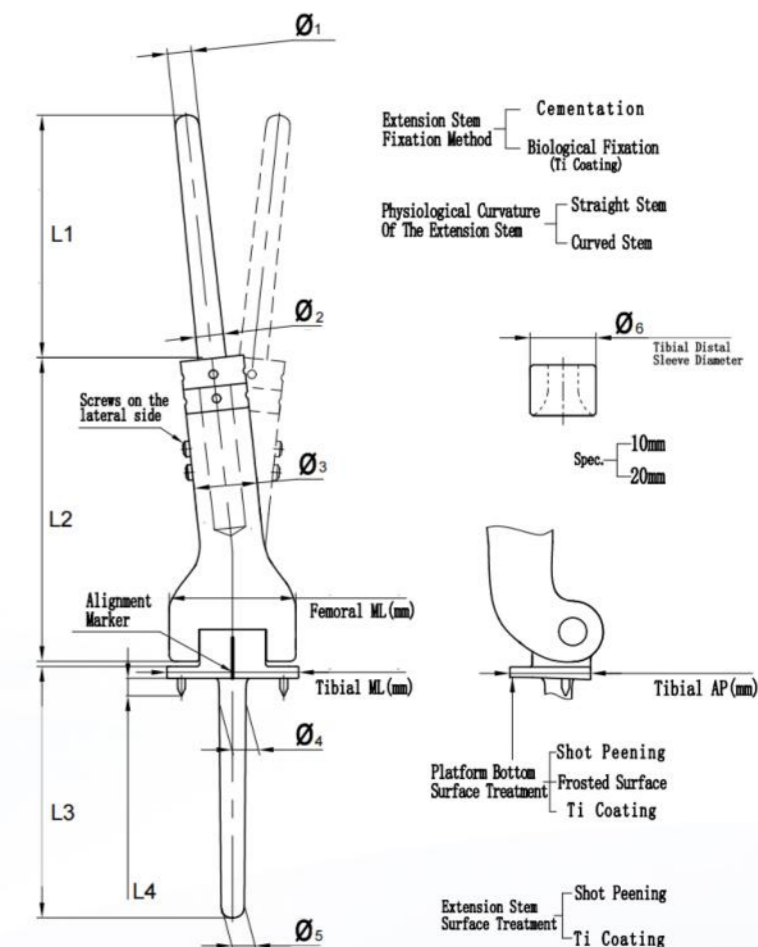
## Paediatrics Knee Joint

- ▶ Titanium alloy microporous distal femoral hinge and extendable artificial knee prosthesis.
- ▶ Applicable to young tumor patients with small width of the femoral condyle for better soft tissue coverage.
- ▶ Biological fixation with tibial extension stem to preserve epiphysis.
- ▶ Adjustable prosthesis lengths postoperatively according to the growth of healthy limbs.



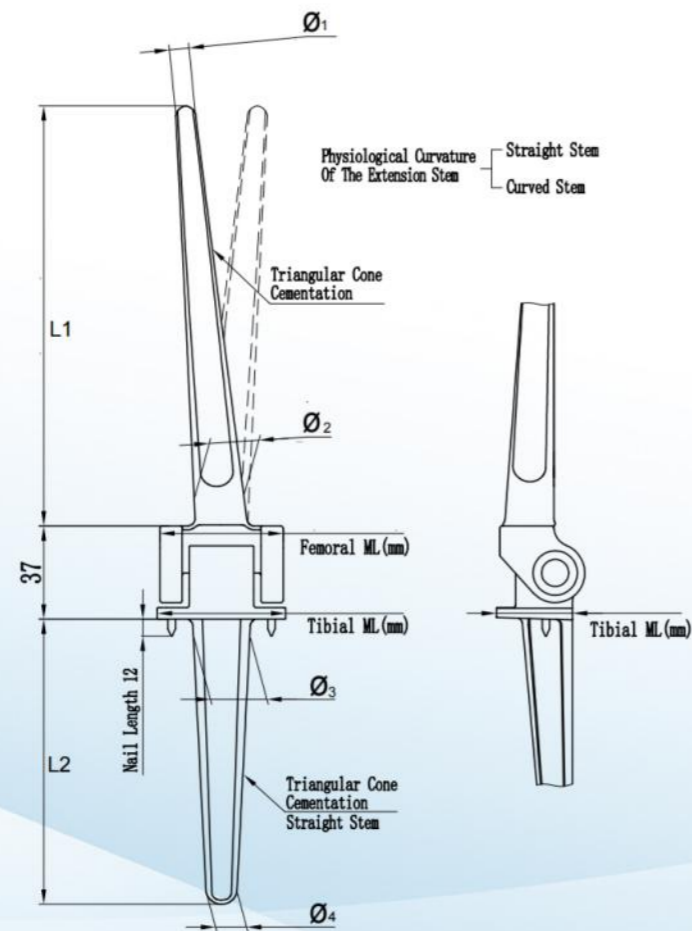
## Adjustable Femoral Hinge Knee Joint (XR N05-1)

| Reference  | Specification (mm)      |
|------------|-------------------------|
| L1         | 60-180 (5 inc.)         |
| L2         | 100-200 (10 inc.)       |
| L3         | 60-120 (5 inc.)         |
| L4         | 8,10,12,15              |
| φ1         | 7-15(1 inc.)            |
| φ2         | 8-16(1 inc.)            |
| φ3         | 22-26(2 inc.)           |
| φ4         | 9-11(1 inc.)            |
| φ5         | 8-10(1 inc.)            |
| φ6         | 22/24/25/26             |
| Femoral ML | 40-60 (5 inc.)          |
| Tibial ML  | 40-65 (5 inc.)          |
| Tibial AP  | 24-36 (2 inc.)          |
| Material   | Ti6Al4V, CoCrMo, UHMWPE |



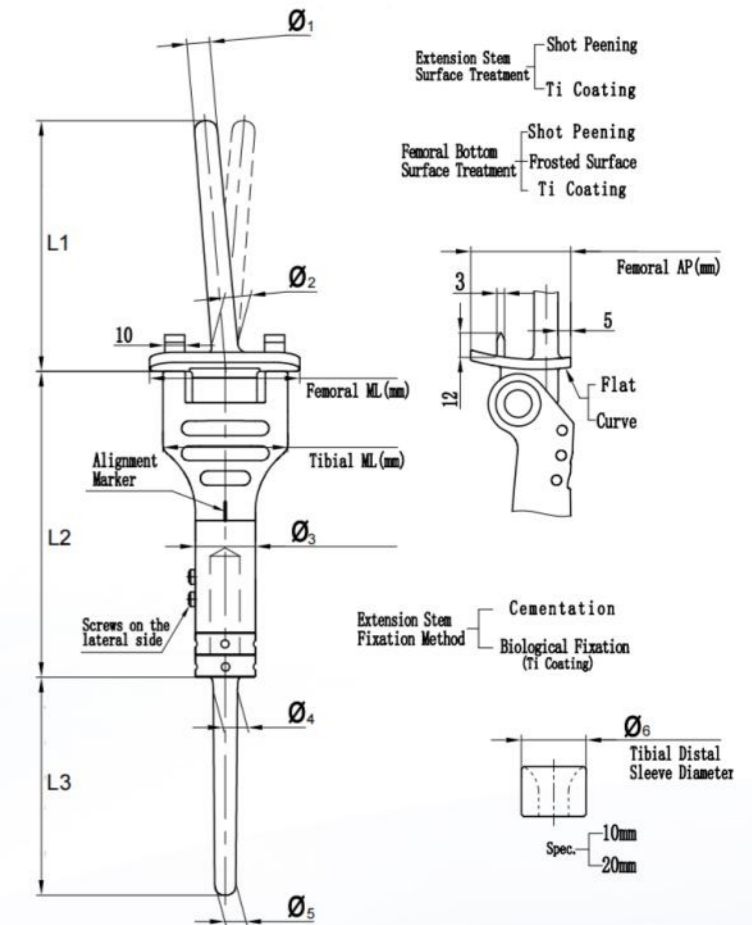
## Standard Hinge Knee Joint (XR N04-1)

| Reference  | Specification (mm)      |
|------------|-------------------------|
| L1         | 60-165 (5 inc.)         |
| L2         | 60-135 (5 inc.)         |
| φ1         | 7*8                     |
| φ2         | 21*23                   |
| φ3         | 10*10 / 21*21           |
| φ4         | 7*8                     |
| Femoral ML | 45-60 (5 inc.)          |
| Tibial ML  | 45-65 (5 inc.)          |
| Tibial AP  | 24-36 (2 inc.)          |
| Material   | Ti6Al4V, CoCrMo, UHMWPE |



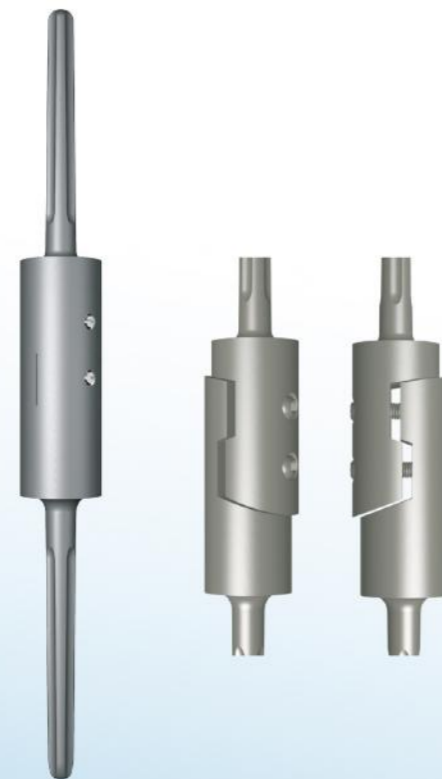
## Adjustable Tibial Hinge Knee Joint (XR N06-1)

| Reference  | Specification (mm)      |
|------------|-------------------------|
| L1         | 60-120(5 inc.)          |
| L2         | 60-120(5 inc.)          |
| L3         | 60-140(5 inc.)          |
| φ1         | 8-10 (1 inc.)           |
| φ2         | 9-11 (1 inc.)           |
| φ3         | 22 / 24 / 25            |
| φ4         | 9-12 (1 inc.)           |
| φ5         | 8-11 (1 inc.)           |
| φ6         | 22-32 (2 inc.)          |
| Femoral ML | 40-55 (5 inc.)          |
| Femoral AP | 26-36 (2 inc.)          |
| Tibial ML  | 40-50 (5 inc.)          |
| Material   | Ti6Al4V, CoCrMo, UHMWPE |



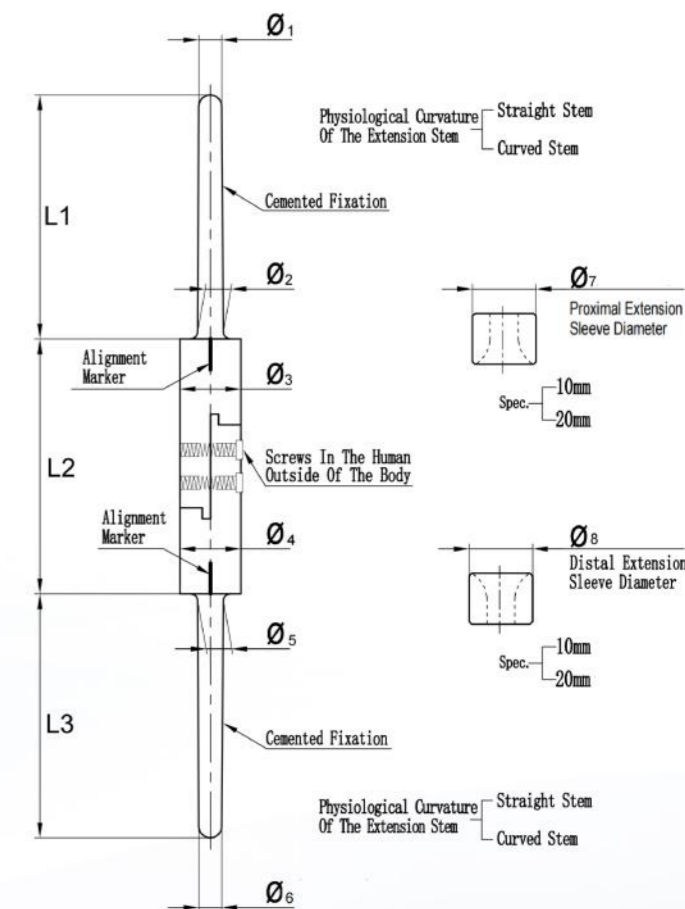
## Segmental Prosthesis

- Segmental design allows safe locking and simple combination.
- Applicable to small-range tumors in the middle segment of long bone such as metastatic cancer.
- Joint prostheses of different sizes and specifications can be customized depending on the different patient conditions.
- Allow the use of steel plate to meet the needs of special cases for better fixation.



### Segmental Prosthesis (XF1501A-1)

| Reference | Specification (mm) |
|-----------|--------------------|
| L1        | 25-200 (5 inc.)    |
| L2        | 55-300 (10 inc.)   |
| L3        | 25-200 (5 inc.)    |
| φ1        | 8-15 (1 inc.)      |
| φ2        | 9-16 (1 inc.)      |
| φ3        | 22-32 (2 inc.)     |
| φ4        | 22-32 (2 inc.)     |
| φ5        | 9-16 (1 inc.)      |
| φ6        | 8-15 (1 inc.)      |
| φ7        | 22-32 (2 inc.)     |
| φ8        | 22-32 (2 inc.)     |
| Material  | Ti6Al4V            |



## Hybrid Distal Femoral Knee Joint

- ▶ Allow personalized customization.
- ▶ Bionic design of porous trabecular structure.
- ▶ Computer simulation can assist surgical planning.
- ▶ Preserve the patient's own joint and soft tissue functions.



## Pelvic System

- ▶ Different sizes of joint prostheses can be customized according to the patient's different conditions.
- ▶ Assembling of accessories of different sizes facilitates intraoperative angle adjustment.
- ▶ Iliac and sacral trays are available for different regional lesions, and the ultra-radius design of the liner reduces the risk of postoperative dislocation.



## 3D Printed Pelvic System

- ▶ Allow personalized customization.
- ▶ Bionic design of porous trabecular structure.
- ▶ Computer simulation can assist surgical planning.
- ▶ Morphological bionic design is more conducive to functional reconstruction.





## 3D Printed Cutting Block



### Polylaulactam material

The product made of polylaulactam with high toughness and excellent biocompatibility can reduce the friction coefficient and has good antibacterial properties and excellent corrosion resistance.

### High matching accuracy

Additive manufacturing customization after three-dimensional reconstruction based on patient imaging data, providing customized clinical solutions with higher matching accuracy and more accurate resection.

### Scope of application

Applicable to positioning, guiding, evaluation and provision of datum plane in orthopedic surgery of the pelvis, knee, proximal tibia, ankle and diaphysis of lower extremities.

## Shoulder Prosthesis

- Innovative design of glenohumeral articular surface ensures higher stability in the range of motion and thus effectively reduce wear.
- Centered and eccentric structures of the humeral head allow better adjustment to the matching position between the humerus head and glenoid cavity.
- The humeral stem includes primary and revision stems, and the optimized morphological design better accommodates the anatomical characteristics of people.





## Humeral Stem

| Cat. No.    | Specification | Product Description  |
|-------------|---------------|--|
| A1200-07130 | 07x130mm      | <b>Product Name:</b> Humeral Stem<br><b>SP A101</b><br><br><b>Material:</b> CoCrMo |
| A1200-08130 | 08x130mm      |  |
| A1200-08170 | 08x170mm      |  |
| A1200-09130 | 09x130mm      |  |
| A1200-10130 | 10x130mm      |  |
| A1200-10170 | 10x170mm      |  |
| A1200-11130 | 11x130mm      |  |
| A1200-12130 | 12x130mm      |  |
| A1200-12170 | 12x170mm      |  |
| A1200-13130 | 13x130mm      |  |



## Humeral Head

| Cat. No.   | Specification | Product Description  |
|------------|---------------|--|
| A1300-1540 | 15x40mm       | <b>Product Name:</b> Humeral Head<br><b>SP B101</b><br><br><b>Material:</b> CoCrMo |
| A1300-1840 | 18x40mm       |  |
| A1300-1846 | 18x46mm       |  |
| A1300-2146 | 21x46mm       |  |
| A1300-2446 | 24x46mm       |  |
| A1300-2152 | 21x52mm       |  |
| A1300-2452 | 24x52mm       |  |

## Humeral Head (offset)

| Cat. No.   | Specification | Product Description   |
|------------|---------------|---|
| A1301-1540 | 15x40mm       | <b>Product Name:</b> Humeral Head (offset)<br><b>SP B102</b><br><br><b>Material:</b> CoCrMo |
| A1301-1840 | 18x40mm       |   |
| A1301-2140 | 21x40mm       |   |
| A1301-1546 | 15x46mm       |   |
| A1301-1846 | 18x46mm       |   |
| A1301-2146 | 21x46mm       |   |
| A1301-2446 | 24x46mm       |   |
| A1301-2746 | 27x46mm       |   |
| A1301-1852 | 18x52mm       |   |
| A1301-2152 | 21x52mm       |   |
| A1301-2452 | 24x52mm       |   |
| A1301-2752 | 27x52mm       |   |

## Pegged Glenoid

| Cat. No. | Specification | Product Description  |
|----------|---------------|--|
| A1350-40 | 40mm          | <b>Product Name:</b> Pegged Glenoid<br><b>SP C101</b><br><b>Material:</b> UHMWPE |
| A1350-46 | 46mm          |  |
| A1350-52 | 52mm          |  |

## Elbow Prosthesis

- Arc design of outer contour of distal humeral prosthesis effectively reduces stress, and triangular body design match canal landscape maximizing stability by minimizing rotation.



- Quadrangular to match canal landscape, to help minimize intramedullary rotation in the ulna



### Distal Humerus

| Cat. No.      | Specification | Product Description  |
|---------------|---------------|--|
| A2100-38102-S | 38102-S       | <b>Product Name:</b> Distal Humerus<br><b>EP A101-S</b>        |
| A2100-38152-S | 38152-S       | <b>Material:</b> Ti6Al4V<br><b>Surface:</b> Blasting Treatment |
| A2100-38102-M | 38102-M       | <b>Product Name:</b> Distal Humerus<br><b>EP A101-M</b>        |
| A2100-38152-M | 38152-M       |  |
| A2100-38203-M | 38203-M       |  |
| A2100-64152-M | 64152-M       |  |
| A2100-64203-M | 64203-M       | <b>Material:</b> Ti6Al4V<br><b>Surface:</b> Blasting Treatment |

### Proximal Ulna

| Cat. No.     | Specification | Product Description  |
|--------------|---------------|--|
| A2150-076L-S | 076L-S        | <b>Product Name:</b> Proximal Ulna<br><b>EP B101-S</b>         |
| A2150-076R-S | 076R-S        |  |
| A2150-114L-S | 114L-S        | <b>Material:</b> Ti6Al4V<br><b>Surface:</b> Blasting Treatment |
| A2150-114R-S | 114R-S        |  |
| A2150-076L-M | 076L-M        | <b>Product Name:</b> Proximal Ulna<br><b>EP B101-M</b>         |
| A2150-076R-M | 076R-M        |  |
| A2150-114L-M | 114L-M        | <b>Material:</b> Ti6Al4V<br><b>Surface:</b> Blasting Treatment |
| A2150-114R-M | 114R-M        |  |

## Spacer Mold

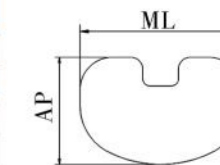


- ⦿ The bone cement shaping mold is made of silicone rubber.
- ⦿ Internal design of cavity and hole for injecting bone cement.
- ⦿ Same cavity profile as knee prosthesis. The bone cement is injected through the hole into the cavity for cooling, and the bone cement model removed after demolding.



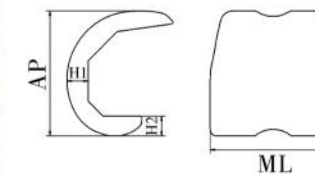
### Knee Joint Spacer Mold-Tibial Side

| Cat. No.  | Specification | Product Description                                     | ML(mm) | AP(mm) |
|-----------|---------------|---|--------|--------|
| K ZW0301A | XS            | <b>Product Name:</b> Knee Joint Spacer Mold-Tibial Side | 61     | 41     |
| K ZW0302A | S             |   | 66     | 45     |
| K ZW0303A | M             |   | 71     | 48     |
| K ZW0304A | L             | <b>Material:</b> silicone rubber                        | 76     | 51     |
| K ZW0305A | XL            |   | 81     | 56     |



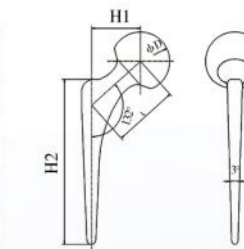
### Knee Joint Spacer Mold-Femoral Side

| Cat. No.  | Specification | Product Description                                      | ML(mm) | AP(mm) |
|-----------|---------------|--|--------|--------|
| K ZW0401A | XS            | <b>Product Name:</b> Knee Joint Spacer Mold-Femoral Side | 57     | 56     |
| K ZW0402A | S             |  | 62     | 61     |
| K ZW0403A | M             |  | 67     | 66     |
| K ZW0404A | L             | <b>Material:</b> silicone rubber                         | 72     | 70     |
| K ZW0405A | XL            |  | 77     | 74     |



### Hip Joint Spacer Mold

| Cat. No.  | Specification | Product Description                        | D(mm) | H2(mm) |
|-----------|---------------|--|-------|--------|
| K ZW0501A | 44#           | <b>Product Name:</b> Hip Joint Spacer Mold | 44    | 120    |
| K ZW0502A | 48#           |  | 48    | 135    |
| K ZW0503A | 52#           |  | 52    | 140    |
| K ZW0504A | 56#           | <b>Material:</b> silicone rubber           | 56    | 145    |
| K ZW0505A | 60#           |  | 60    | 150    |



## Tornado Disposable Surgical Lavage

- Stable, reliable and safe to use during surgery.
- Clean the surgical field and shorten the procedure time.
- Reduce the incidence of infection and improve the healing rate.
- Adjustable at high and low gear, easy and convenient to wash.



The disposable lavage generates pulsed water flow to flush and vibrate surgical wounds, which can fully remove bone dregs, soft tissue fragments and fat particles, reduce postoperative infection and fat embolism, and obtain a good surgical field. During joint replacement surgery, the bone bed flushed by a disposable lavage can better bind to the bone cement and reduce the early loosening rate of the prosthesis.

## The Next.....

