

Knee Joint System User Manual

- **Registered Manufacturer Information:**

Manufacturer, Registrant, and After-sales Service Unit: Changzhou WASTONORTHO Medical Appliance Co., Ltd.

Address: No.5 Longxiang Road, Nanxiasu Street, Wujin National High-tech Industry Zone.

Production address: Building 16, No.9 Xihu Road, Wujin National High-tech Industry Zone, Jiangsu Province.

Postal code: 213164

Contact number: +86-519-86522226

Website: www.wastonortho.com

Fax: +86-519-86221108

E-mail : info@wastonmed.com

- **Product Name:**

Knee joint system.

- **Product Scope:**

As a type of bone cement prosthesis, it is suitable for total knee replacement

- **Product Introduction :**

The Balanced Knee System (trade name: BKS Knee System) is a multi-component total knee replacement prosthesis designed for posterior cruciate ligament (PCL) preservation or removal. The system allows selection of appropriate femoral and tibial components based on the PCL preservation status, as well as the degree and characteristics of anterior/ posterior (A/P) and medial/lateral (M/L) balance.

Cobalt-Chromium Alloy Femoral Components

The femoral component is made of cobalt-chromium-molybdenum (Co-Cr-Mo) alloy.

The semiconstrained posterior-stabilized femoral component is designed to provide anterior/posterior (A/P) stability, but requires the use of associated ligamentous balancing techniques to achieve medial/lateral (M/L) stability.

The cruciate ligament-retaining femoral component is designed to preserve the functional posterior cruciate ligament. This femoral component also requires ligament balance techniques to achieve medial/lateral (M/L) stability.

The Modular femoral components feature posterior stabilization, can be equipped with an optional intramedullary extension rod to provide additional anterior/posterior (A/P) and medial/lateral (M/L) stability when required.

Titanium Alloy Tibial Tray

Titanium alloy tibial tray (Ti-6Al-4V ELI).

The Modular tibia tray features a titanium keel cap (Ti-6Al-4V ELI), which can be removed when an extension rod is required.

Polyethylene Tibial Insert

The polyethylene tibial insert is available in four specifications: posterior stabilized (PS), cruciate ligament-retaining (CR), precision fitting (UC) and CK.

The PS, CR, and UC types are all made of polyethylene (UHMWPE) and can be used with femur components of the same specifications: (PS tibial inserts work with PS femur component, while the CR femur component is compatible with CR or UC tibial inserts).

The CK tibial insert is constructed from polyethylene (UHMWPE), and includes a titanium alloy support bolt (Ti- 6Al-4V ELI) to enhance stability. The CK tibial insert is used with Modular femoral component when additional medial/lateral (M/L) stability is required. The CK tibial insert must be used with a Modular tibial tray of the same specifications.

Polyethylene Patella Component

Polyethylene patellar component (UHMWPE) is used for patellar surface replacement.

Titanium Alloy Femoral Expansion Component

The titanium alloy femoral expansion component (Ti-6Al-4V ELI) features a locking bolt (Ti-6Al-4V ELI) and a locking ring (Ti-6Al-4V ELI). This femoral expansion component is exclusively compatible with Modular femoral component in the same product serie.

The femoral expansion component is available for use in cases of bone defects in the distal and/or posterior femur. The femoral expansion component is available in different shapes and can be selected according to the typical bone defect.

Titanium Alloy Tibial Expansion Component

The titanium alloy tibial expansion component (Ti-6Al-4V ELI) features a locking bolt (Ti-6Al-4V ELI) and a locking ring (Ti-6Al-4V ELI). This component is exclusively compatible with the Modular tibial tray in this product serie.

Tibial expansion component can be used to strengthen the tibial plateau in the case of bone defects. Tibial expansion component is available in different shapes and can be selected according to the typical bone defect.

Titanium Alloy Bone Cement Type and Groove Type Extension Rod

Titanium alloy bone cement-type and groove-type extension rods (Ti-6Al-4V ELI) can be used in combination with femoral components and tibial trays in this product series to enhance stability. If required, the extension rods can be used with Modular femoral stem connector and Modular tibial tray.

Cobalt Chromium Alloy Femoral Stem Connector

The femoral stem connector is made of forged cobalt-chromium-molybdenum alloy (Co-Cr-Mo).When an extension rod is required, the femoral stem connector is used with the Modular femoral component. The femoral stem connector is available in 5° and 7° specifications

● Indication:

1. Joint morphological defects and functional loss;
2. Knee osteoarthritis;
3. Rheumatoid arthritis of the knee;
4. Post-traumatic arthritis of the knee;
5. Foot inversion, foot eversion, or knee flexion dysfunction;
6. Restorative treatment when other treatments or device fail.

This product series can be used for total knee replacement.

This approach can be used to remedy previously failed surgical treatments, and the femoral bone defect does not require use of augmentation components or extension rods, while the surrounding ligaments can still maintain medial/lateral (M/L) stability.

It can also be used as a remedy for previous failed surgical treatments, when the femoral bone defects require the use of an expansion components or extension rods.

The CK tibial insert can be used with Modular femoral components and Modular tibial trays for cases where the surrounding ligaments fail to maintain medial/lateral (M/L) stability.

● **Contraindication:**

1. The patient's quality of life is not severely affected by joint dysfunction and/or joint morphological defects, or arthritis pain;
2. Joint reconstruction treatments, including ligament balancing, fail to restore normal function and stability of the patient's knee joint;
3. Acute infection in or near the knee joint, fever and/or signs of inflammation, and elevated ESR that cannot be explained by other medical conditions until the infection is resolved before surgery;
4. Patients with distant infections, such as the urogenital system, lungs, skin (chronic lesions or ulcers), and other lesions, as they may lead to hematogenous dissemination to the joint implantation site;
5. X-ray findings indicate rapid joint destruction or bone resorption.
6. The benefits of using prostheses to patients cannot outweigh the potential side effects of neuromuscular disease on the function of prostheses;
7. Mentally ill patients who will need to be cared for after surgery;
8. Patients with functional position, painless, stable arthritis;
9. Patients who have allergic reactions to the implant material and/or tissue reactions to corrosion or wear of the product;
10. The bones are not fully developed.

● **Use Purpose:**

To ensure proper installation and compatibility, knee joint system implants must be fitted using tools and trial molds exclusively manufactured by Ortho Development Corporation and Changzhou WASTONORTHO Medical Appliance Co., Ltd.

Other knee joint system implant components, test molds, and tools must never be used interchangeably with knee joint system implants, test molds and tools, and vice versa, unless otherwise specified for such use. The mismatched structural design and shape between different products may cause premature wear or loosening of the implant.

The implant components of the knee joint system do not compatible with those produced by other companies.

The best fixation and implant stability can be achieved through maximum bone coverage. A variety of implant sizes are available, with the largest size being suitable for coverage without exceeding the femur, tibia or patella.

The polyethylene tibial liners, varying in thickness and shape, are supplied separately from the tibial support but are dimensionally compatible with it. Surgeons can select liners of appropriate thickness and configuration to reconstruct the original joint line and achieve optimal ligamentous tension.

- **Precautions:**

Preoperative:

The surgeon should fully understand all aspects of the surgical procedure and limitations of the implantable instruments. They should guide the patient about the limitations of the implant prosthesis and the additional stress caused by the patient's body weight or physical activity. Therefore, correspondingly, the patient should be taught to control and/or restrain their movements.

The use of this product strictly accordance with the indications, contraindications, precautions and warnings will help increase the success rate of the surgical operation and prolong the service life of the implantable instruments.

During operation:

If the implantation site is inadequately prepared or the implant is inserted with brute force, it may result in fracture of the proximal tibia or femoral trochanter. The polyethylene tibial insert can be removed after placement. However, once removed, the component must be discarded and cannot be reused because removal process will cause the plastic deformation and reduces connection strength. A trial mold can be used to determine the appropriate tibial insert size.

Implant components must never be reused. All used implant components must be discarded immediately after using. Although there may be visually intact on the surface, these components may contain minor defects or internal pressure loads that could lead to the ultimate failure of the surgery. Similarly when handling new implant components, operators must exercise extreme caution to prevent damage that might compromise mechanical integrity or lead to premature surgical failure or loosening. Such damage may include microcracks or scratches caused by metal contact or friction with adjacent components.

CK polyethylene tibial inserts are exclusively compatible with Modular tibial trays. When using standard tibial trays, the Modular femoral components, expansion components, and extension rods must be used with the tibial tray employed during the initial surgery.

Oozing bone cement may become a frictional agent on the contact surfaces of implanted devices, which can greatly increase the wear rate of the prosthesis. Therefore, it is necessary to careful removal of excess bone cement around and on the contact surfaces of the implant

● Warning:

Other knee joint system implant components, test molds and tools must never be used interchangeably with knee joint system implant components, test molds and tools. The mismatched structural design and shape between different products may cause premature wear or loosening of the implant.

1. Only the femoral components of the knee joint system can be used together with the tibial insert and tibial tray of the knee joint system;

2. Only the patellar prosthesis of the knee joint system can be used with a femoral component of the knee joint system;

3. PS components are compatible only with other PS components. Similarly, CR components are compatible only with other CR or UC components. Additionally, CK components are compatible only with Modular femoral components and Modular tibial trays.

4. Proper selection of implant components is crucial. Choosing implants with appropriate dimensions, shape, and design can increase the success rate of total joint replacement surgery. The following table shows that dimensions of some components of the knee joint system can be replaced. The numbers in the shaded table indicating the dimensions of the tibial insert:

		Femoral Component Size						
		1	2	3	4	5	6	7
Tibial Tray Size	1	1	1					
	2	2	2	2				
	3		3	3	3			
	4			4	4	4		
	5				5	5	5	
	6					6	6	6
	7						7	7

5. The selection of other suitable components should be based on the components of the implant that have been used. The correct choice of implant is very important for the success of the joint replacement surgery. The following table lists the components that can be used together.

Compatibility of Knee Joint System Components (X Indicates Compatibility)							
		Femoral Components		Tibial Insert		Tibial Tray	
		Initial Surgery	Revision Surgery	Initial Surgery	Revision Surgery	Initial Surgery	Revision Surgery
Femoral Component	Initial Surgery			X		X	X
	Revision Surgery			X	X	X	X
Tibial Component	Initial Surgery	X	X			X	X
	Revision Surgery		X				X

Tibial Tray	Initial Surgery	X	X	X			
	Revision Surgery	X	X	X	X		

- **Adverse Reactions:**

The incidence of short-term adverse reactions is similar to that of other adverse events in femoral joint replacement, such as:

1. Implant movement and loosening;
2. Dislocation of implanted devices;
3. Infection;
4. Reduced activity level;
5. Ectopic bone formation;
6. The pain has not been completely relieved.

- **MRI Effects:**

This product has not been evaluated in an MRI environment, nor has it been tested for heating and displacement in an MRI environment.

- **Packaging and Sterilization:**

All implantable devices are sterilized with gamma radiation at a minimum dose of 25 kGy, in compliance with Sterile Assurance Standard 10. The polyethylene tibial insert and polyethylene patella are sterilized in an oxygen-free/nitrogen-enriched environment. All sterilized products must undergo leak testing before and after opening. Any detected leaks indicate compromised sterility and disqualify the products for implantation. Implantable devices cannot be re-sterilized. After sterilization, provided the packaging is intact the sterilization shelf life remains valid for 5 years.

- **Instrument Sterilization:**

All tools are thoroughly cleaned before sterilization. Sterilization operation should be carried out in according to the following steam sterilization conditions:

Under normal pressure: Maintain at 270°F (132°C) for 30 minutes, and dry for 90 minutes.

Under vacuum pre-treatment: Maintain at 270°F (132°C) for 30 minutes, and dry for 60 minutes.

- **Product Storage:**

Unopened implantable devices should be stored in their original protective packaging. Before use, inspect the packaging for any damage that may compromise sterilization effectiveness. After removing the implantable devices from the package, observe the relevant aseptic techniques. Prevent the prosthesis from contacting other objects to avoid surface damage. Before use, carefully examine each device for any visible damage.

- **Product Complaints:**

Any complaints or dissatisfaction regarding product quality, appearance, labeling and/or safety, please report to Changzhou WASTONORTHO Medical Appliance Co., Ltd. If an implant or tool

"malfunctions" (e.g., fails to meet design specifications or does not work as intended), and/or is suspected of causing or being related to a patient's death or serious injury, please notify Changzhou WASTONORTH Medical appliance Co., Ltd. immediately via phone, fax, or written document.

When filling in the complaint form, please provide the product description, specification model, product batch number, name and address of the complainant, and the specific content of the complaints

- **Warning:**

This device shall be sold, supplied and used only by or at the request of a physician

- **Production Date and Expiration Date:**

See the label for the production date and expiration date.

Explanation of Graphics, Symbols, and Abbreviations Used Medical Device Labels

	Manufacturer		Production Date
	Product Code		Lot No
	Do Not Reuse		Irradiation Sterilization
	Warning		Validity
	Prescription Equipments		Do Not Resterilize

- **After-Sales Service Unit:**

Name of after-sales service unit: Changzhou WASTONORTH Medical Appliance Co., LTD

Address: No.5 Longxiang Road, Nanxiashu Street, Wujin National High-tech Industry Zone

Contact number: +86-519-86522226

Fax: +86-519-86221108

- **Revision date of the User Manual:**

2021.8.16

2024.6.6

- **User Manual Version:**

A/1

- **Attachment:**

Appendix A: Specifications, Materials and Dimensions of Knee Joint System Products.

Appendix A

Table 1 Specifications, Materials and Dimensions of Knee Joint System Products(Unit:mm In the subsequent illustrations, if the unit tolerance is not specifically marked, the tolerance is $\pm 0.2\text{mm}$)

Product Name	Specifications	Materials	Dimensions(mm)
PS Femoral Componenst without Microbeads, Left, Size 1	161-1101	CoCrMo	50.0×56.5
PS Femoral Componenst without Microbeads, Right , Size 1	161-1102	CoCrMo	50.0×56.5
PS-C Femoral Componenst without Microbeads, Left, Size 1	161-1103	CoCrMo	50.0×57.3
PS-C Femoral Componenst without Microbeads, Right , Size 1	161-1104	CoCrMo	50.0×57.3
PS Femoral Componenst without Microbeads, Left, Size 2	161-1201	CoCrMo	54.0×59.5
PS Femoral Componenst without Microbeads, Right , Size 2	161-1202	CoCrMo	54.0×59.5
PS-C Femoral Componenst without Microbeads, Left, Size 2	161-1203	CoCrMo	54.0×60.3
PS-C Femoral Componenst without Microbeads, Right , Size 2	161-1204	CoCrMo	54.0×60.3
PS Femoral Componenst without Microbeads, Left, Size 3	161-1301	CoCrMo	57.5×62.5
PS Femoral Componenst without Microbeads, Right , Size 3	161-1302	CoCrMo	57.5×62.5
PS-C Femoral Componenst without Microbeads, Left, Size 3	161-1303	CoCrMo	57.5×63.3
PS-C Femoral Componenst without Microbeads, Right , Size 3	161-1304	CoCrMo	57.5×63.3
PS Femoral Componenst without Microbeads, Left, Size 4	161-1401	CoCrMo	61.5×66.5
PS Femoral Componenst without Microbeads, Right , Size 4	161-1402	CoCrMo	61.5×66.5
PS-C Femoral Componenst without Microbeads, Left, Size 4	161-1403	CoCrMo	61.5×67.3
PS-C Femoral Componenst without Microbeads, Right , Size 4	161-1404	CoCrMo	61.5×67.3
PS Femoral Componenst without Microbeads, Left, Size 5	161-1501	CoCrMo	65.5×70.5
PS Femoral Componenst without Microbeads, Right , Size 5	161-1502	CoCrMo	65.5×70.5
PS-C Femoral Componenst without Microbeads, Left, Size 5	161-1503	CoCrMo	65.5×71.3
PS-C Femoral Componenst without Microbeads, Right , Size 5	161-1504	CoCrMo	65.5×71.3
PS Femoral Componenst without Microbeads, Left, Size 6	161-1601	CoCrMo	69.5×74.5
PS Femoral Componenst without Microbeads, Right , Size 6	161-1602	CoCrMo	69.5×74.5
PS-C Femoral Componenst without Microbeads, Left, Size 6	161-1603	CoCrMo	69.5×75.3
PS-C Femoral Componenst without Microbeads, Right , Size 6	161-1604	CoCrMo	69.5×75.3
CR Femoral Componenst without Microbeads, Left, Size 1	161-3101	CoCrMo	50.0×56.5
CR Femoral Componenst without Microbeads, Right, Size 1	161-3102	CoCrMo	50.0×56.5
CR Femoral Componenst without Microbeads, Left, Size 2	161-3201	CoCrMo	54.0×59.5
CR Femoral Componenst without Microbeads, Right, Size 2	161-3202	CoCrMo	54.0×59.5
CR Femoral Componenst without Microbeads, Left, Size 3	161-3301	CoCrMo	57.5×62.5
CR Femoral Componenst without Microbeads, Right, Size 3	161-3302	CoCrMo	57.5×62.5
CR Femoral Componenst without Microbeads, Left, Size 4	161-3401	CoCrMo	61.5×66.5
CR Femoral Componenst without Microbeads, Right, Size 4	161-3402	CoCrMo	61.5×66.5
CR Femoral Componenst without Microbeads, Left, Size 5	161-3501	CoCrMo	65.5×70.5
CR Femoral Componenst without Microbeads, Right, Size 5	161-3502	CoCrMo	65.5×70.5
CR Femoral Componenst without Microbeads, Left, Size 6	161-3601	CoCrMo	69.5×74.5
CR Femoral Componenst without Microbeads, Right, Size 6	161-3602	CoCrMo	69.5×74.5

Tibial Tray without Microbeads, Size 1	162-1100	TC4 ELI	36.5×57.5
Tibial Tray without Microbeads, Size 2	162-1200	TC4 ELI	39.0×61.0
Tibial Tray without Microbeads, Size 3	162-1300	TC4 ELI	41.5×65.0
Tibial Tray without Microbeads, Size 4	162-1400	TC4 ELI	44.5×69.5
Tibial Tray without Microbeads, Size 5	162-1500	TC4 ELI	48.0×75.0
Tibial Tray without Microbeads, Size 6	162-1600	TC4 ELI	51.5×80.5
PS Tibial Insert, Size 1, 07mm	163-1107	UHMWPE	7.0×36.5×57.5
PS Tibial Insert, Size 1, 08mm	163-1108	UHMWPE	8.0×36.5×57.5
PS Tibial Insert, Size 1, 09mm	163-1109	UHMWPE	9.0×36.5×57.5
PS Tibial Insert, Size 1, 10mm	163-1110	UHMWPE	10.0×36.5×57.5
PS Tibial Insert, Size 1, 11mm	163-1111	UHMWPE	11.0×36.5×57.5
PS Tibial Insert, Size 1, 12mm	163-1112	UHMWPE	12.0×36.5×57.5
PS Tibial Insert, Size 1, 13mm	163-1113	UHMWPE	13.0×36.5×57.5
PS Tibial Insert, Size 1, 14mm	163-1114	UHMWPE	14.0×36.5×57.5
PS Tibial Insert, Size 1, 16mm	163-1116	UHMWPE	16.0×36.5×57.5
PS Tibial Insert, Size 1, 18mm	163-1118	UHMWPE	18.0×36.5×57.5
PS Tibial Insert, Size 1, 20mm	163-1120	UHMWPE	20.0×36.5×57.5
PS Tibial Insert, Size 2, 07mm	163-1207	UHMWPE	7.0×39.0×61.0
PS Tibial Insert, Size 2, 08mm	163-1208	UHMWPE	8.0×39.0×61.0
PPS Tibial Insert, Size 2, 09mm	163-1209	UHMWPE	9.0×39.0×61.0
PS Tibial Insert, Size 2, 10mm	163-1210	UHMWPE	10.0×39.0×61.0
PS Tibial Insert, Size 2, 11mm	163-1211	UHMWPE	11.0×39.0×61.0
PS Tibial Insert, Size 2, 12mm	163-1212	UHMWPE	12.0×39.0×61.0
PS Tibial Insert, Size 2, 13mm	163-1213	UHMWPE	13.0×39.0×61.0
PS Tibial Insert, Size 2, 14mm	163-1214	UHMWPE	14.0×39.0×61.0
PS Tibial Insert, Size 2, 16mm	163-1216	UHMWPE	16.0×39.0×61.0
PS Tibial Insert, Size 2, 18mm	163-1218	UHMWPE	18.0×39.0×61.0
PS Tibial Insert, Size 2, 20mm	163-1220	UHMWPE	20.0×39.0×61.0
PS Tibial Insert, Size 3, 07mm	163-1307	UHMWPE	7.0×41.5×65.0
PS Tibial Insert, Size 3, 08mm	163-1308	UHMWPE	8.0×41.5×65.0
PS Tibial Insert, Size 3, 09mm	163-1309	UHMWPE	9.0×41.5×65.0
PS Tibial Insert, Size 3, 10mm	163-1310	UHMWPE	10.0×41.5×65.0
PS Tibial Insert, Size 3, 11mm	163-1311	UHMWPE	11.0×41.5×65.0
PS Tibial Insert, Size 3, 12mm	163-1312	UHMWPE	12.0×41.5×65.0
PS Tibial Insert, Size 3, 13mm	163-1313	UHMWPE	13.0×41.5×65.0
PS Tibial Insert, Size 3, 14mm	163-1314	UHMWPE	14.0×41.5×65.0
PS Tibial Insert, Size 3, 16mm	163-1316	UHMWPE	16.0×41.5×65.0
PS Tibial Insert, Size 3, 18mm	163-1318	UHMWPE	18.0×41.5×65.0
PS Tibial Insert, Size 3, 20mm	163-1320	UHMWPE	20.0×41.5×65.0
PS Tibial Insert, Size 4, 07mm	163-1407	UHMWPE	7.0×44.5×69.5
PS Tibial Insert, Size 4, 08mm	163-1408	UHMWPE	8.0×44.5×69.5
PS Tibial Insert, Size 4, 09mm	163-1409	UHMWPE	9.0×44.5×69.5
PS Tibial Insert, Size 4, 10mm	163-1410	UHMWPE	10.0×44.5×69.5

PS Tibial Insert, Size 4, 11mm	163-1411	UHMWPE	11.0×44.5×69.5
PS Tibial Insert, Size 4, 12mm	163-1412	UHMWPE	12.0×44.5×69.5
PS Tibial Insert, Size 4, 13mm	163-1413	UHMWPE	13.0×44.5×69.5
PS Tibial Insert, Size 4, 14mm	163-1414	UHMWPE	14.0×44.5×69.5
PS Tibial Insert, Size 4, 16mm	163-1416	UHMWPE	16.0×44.5×69.5
PS Tibial Insert, Size 4, 18mm	163-1418	UHMWPE	18.0×44.5×69.5
PS Tibial Insert, Size 4, 20mm	163-1420	UHMWPE	20.0×44.5×69.5
PS Tibial Insert, Size 5, 07mm	163-1507	UHMWPE	7.0×48.0×75.0
PS Tibial Insert, Size 5, 08mm	163-1508	UHMWPE	8.0×48.0×75.0
PS Tibial Insert, Size 5, 09mm	163-1509	UHMWPE	9.0×48.0×75.0
PS Tibial Insert, Size 5, 10mm	163-1510	UHMWPE	10.0×48.0×75.0
PS Tibial Insert, Size 5, 11mm	163-1511	UHMWPE	11.0×48.0×75.0
PS Tibial Insert, Size 5, 12mm	163-1512	UHMWPE	12.0×48.0×75.0
PS Tibial Insert, Size 5, 13mm	163-1513	UHMWPE	13.0×48.0×75.0
PS Tibial Insert, Size 5, 14mm	163-1514	UHMWPE	14.0×48.0×75.0
PS Tibial Insert, Size 5, 16mm	163-1516	UHMWPE	16.0×48.0×75.0
PS Tibial Insert, Size 5, 18mm	163-1518	UHMWPE	18.0×48.0×75.0
PS Tibial Insert, Size 5, 20mm	163-1520	UHMWPE	20.0×48.0×75.0
PS Tibial Insert, Size 6, 07mm	163-1607	UHMWPE	7.0×51.5×80.5
PS Tibial Insert, Size 6, 08mm	163-1608	UHMWPE	8.0×51.5×80.5
PS Tibial Insert, Size 6, 09mm	163-1609	UHMWPE	9.0×51.5×80.5
PS Tibial Insert, Size 6, 10mm	163-1610	UHMWPE	10.0×51.5×80.5
PS Tibial Insert, Size 6, 11mm	163-1611	UHMWPE	11.0×51.5×80.5
PS Tibial Insert, Size 6, 12mm	163-1612	UHMWPE	12.0×51.5×80.5
PS Tibial Insert, Size 6, 13mm	163-1613	UHMWPE	13.0×51.5×80.5
PS Tibial Insert, Size 6, 14mm	163-1614	UHMWPE	14.0×51.5×80.5
PS Tibial Insert, Size 6, 16mm	163-1616	UHMWPE	16.0×51.5×80.5
PS Tibial Insert, Size 6, 18mm	163-1618	UHMWPE	18.0×51.5×80.5
PS Tibial Insert, Size 6, 20mm	163-1620	UHMWPE	20.0×51.5×80.5
CR Tibial Insert, Size 1, 07mm	163-2107	UHMWPE	7.0×36.5×57.5
CR Tibial Insert, Size 1, 08mm	163-2108	UHMWPE	8.0×36.5×57.5
CR Tibial Insert, Size 1, 09mm	163-2109	UHMWPE	9.0×36.5×57.5
CR Tibial Insert, Size 1, 10mm	163-2110	UHMWPE	10.0×36.5×57.5
CR Tibial Insert, Size 1, 11mm	163-2111	UHMWPE	11.0×36.5×57.5
CR Tibial Insert, Size 1, 12mm	163-2112	UHMWPE	12.0×36.5×57.5
CR Tibial Insert, Size 1, 13mm	163-2113	UHMWPE	13.0×36.5×57.5
CR Tibial Insert, Size 1, 14mm	163-2114	UHMWPE	14.0×36.5×57.5
CR Tibial Insert, Size 1, 16mm	163-2116	UHMWPE	16.0×36.5×57.5
CR Tibial Insert, Size 1, 18mm	163-2118	UHMWPE	18.0×36.5×57.5
CR Tibial Insert, Size 1, 20mm	163-2120	UHMWPE	20.0×36.5×57.5
CR Tibial Insert, Size 2, 07mm	163-2207	UHMWPE	7.0×39.0×61.0
CR Tibial Insert, Size 2, 08mm	163-2208	UHMWPE	8.0×39.0×61.0
CR Tibial Insert, Size 2, 09mm	163-2209	UHMWPE	9.0×39.0×61.0

CR Tibial Insert, Size 2, 10mm	163-2210	UHMWPE	10.0×39.0×61.0
CR Tibial Insert, Size 2, 11mm	163-2211	UHMWPE	11.0×39.0×61.0
CR Tibial Insert, Size 2, 12mm	163-2212	UHMWPE	12.0×39.0×61.0
CR Tibial Insert, Size 2, 13mm	163-2213	UHMWPE	13.0×39.0×61.0
CR Tibial Insert, Size 2, 14mm	163-2214	UHMWPE	14.0×39.0×61.0
CR Tibial Insert, Size 2, 16mm	163-2216	UHMWPE	16.0×39.0×61.0
CR Tibial Insert, Size 2, 18mm	163-2218	UHMWPE	18.0×39.0×61.0
CR Tibial Insert, Size 2, 20mm	163-2220	UHMWPE	20.0×39.0×61.0
CR Tibial Insert, Size 3, 07mm	163-2307	UHMWPE	7.0×41.5×65.0
CR Tibial Insert, Size 3, 08mm	163-2308	UHMWPE	8.0×41.5×65.0
CR Tibial Insert, Size 3, 09mm	163-2309	UHMWPE	9.0×41.5×65.0
CR Tibial Insert, Size 3, 10mm	163-2310	UHMWPE	10.0×41.5×65.0
CR Tibial Insert, Size 3, 11mm	163-2311	UHMWPE	11.0×41.5×65.0
CR Tibial Insert, Size 3, 12mm	163-2312	UHMWPE	12.0×41.5×65.0
CR Tibial Insert, Size 3, 13mm	163-2313	UHMWPE	13.0×41.5×65.0
CR Tibial Insert, Size 3, 14mm	163-2314	UHMWPE	14.0×41.5×65.0
CR Tibial Insert, Size 3, 16mm	163-2316	UHMWPE	16.0×41.5×65.0
CR Tibial Insert, Size 3, 18mm	163-2318	UHMWPE	18.0×41.5×65.0
CR Tibial Insert, Size 3, 20mm	163-2320	UHMWPE	20.0×41.5×65.0
CR Tibial Insert, Size 4, 07mm	163-2407	UHMWPE	7.0×44.5×69.5
CR Tibial Insert, Size 4, 08mm	163-2408	UHMWPE	8.0×44.5×69.5
CR Tibial Insert, Size 4, 09mm	163-2409	UHMWPE	9.0×44.5×69.5
CR Tibial Insert, Size 4, 10mm	163-2410	UHMWPE	10.0×44.5×69.5
CR Tibial Insert, Size 4, 11mm	163-2411	UHMWPE	11.0×44.5×69.5
CR Tibial Insert, Size 4, 12mm	163-2412	UHMWPE	12.0×44.5×69.5
CR Tibial Insert, Size 4, 13mm	163-2413	UHMWPE	13.0×44.5×69.5
CR Tibial Insert, Size 4, 14mm	163-2414	UHMWPE	14.0×44.5×69.5
CR Tibial Insert, Size 4, 16mm	163-2416	UHMWPE	16.0×44.5×69.5
CR Tibial Insert, Size 4, 18mm	163-2418	UHMWPE	18.0×44.5×69.5
CR Tibial Insert, Size 4, 20mm	163-2420	UHMWPE	20.0×44.5×69.5
CR Tibial Insert, Size 5, 07mm	163-2507	UHMWPE	7.0×48.0×75.0
CR Tibial Insert, Size 5, 08mm	163-2508	UHMWPE	8.0×48.0×75.0
CR Tibial Insert, Size 5, 09mm	163-2509	UHMWPE	9.0×48.0×75.0
CR Tibial Insert, Size 5, 10mm	163-2510	UHMWPE	10.0×48.0×75.0
CR Tibial Insert, Size 5, 11mm	163-2511	UHMWPE	11.0×48.0×75.0
CR Tibial Insert, Size 5, 12mm	163-2512	UHMWPE	12.0×48.0×75.0
CR Tibial Insert, Size 5, 13mm	163-2513	UHMWPE	13.0×48.0×75.0
CR Tibial Insert, Size 5, 14mm	163-2514	UHMWPE	14.0×48.0×75.0
CR Tibial Insert, Size 5, 16mm	163-2516	UHMWPE	16.0×48.0×75.0
CR Tibial Insert, Size 5, 18mm	163-2518	UHMWPE	18.0×48.0×75.0
CR Tibial Insert, Size 5, 20mm	163-2520	UHMWPE	20.0×48.0×75.0
CR Tibial Insert, Size 6, 07mm	163-2607	UHMWPE	7.0×51.5×80.5
CR Tibial Insert, Size 6, 08mm	163-2608	UHMWPE	8.0×51.5×80.5

CR Tibial Insert, Size 6, 09mm	163-2609	UHMWPE	9.0×51.5×80.5
CR Tibial Insert, Size 6, 10mm	163-2610	UHMWPE	10.0×51.5×80.5
CR Tibial Insert, Size 6, 11mm	163-2611	UHMWPE	11.0×51.5×80.5
CR Tibial Insert, Size 6, 12mm	163-2612	UHMWPE	12.0×51.5×80.5
CR Tibial Insert, Size 6, 13mm	163-2613	UHMWPE	13.0×51.5×80.5
CR Tibial Insert, Size 6, 14mm	163-2614	UHMWPE	14.0×51.5×80.5
CR Tibial Insert, Size 6, 16mm	163-2616	UHMWPE	16.0×51.5×80.5
CR Tibial Insert, Size 6, 18mm	163-2618	UHMWPE	18.0×51.5×80.5
CR Tibial Insert, Size 6, 20mm	163-2620	UHMWPE	20.0×51.5×80.5
Patella 29mm	164-0029	UHMWPE	29.0×7.5
Patella 32mm	164-0032	UHMWPE	32.0×8.0
Patella 35mm	164-0035	UHMWPE	35.0×9.0
Patella 38mm	164-0038	UHMWPE	38.0×10.0
Modular Femoral Component, Left, Size 1	561-1101	CoCrMo	56.5×50.0
Modular Femoral Component, Right, Size 1	561-1102	CoCrMo	56.5×50.0
Modular Femoral Component, Left, Size 2	561-1201	CoCrMo	59.5×54.0
Modular Femoral Component, Right, Size 2	561-1202	CoCrMo	59.5×54.0
Modular Femoral Component, Left, Size 3	561-1301	CoCrMo	62.5×57.5
Modular Femoral Component, Right, Size 3	561-1302	CoCrMo	62.5×57.5
Modular Femoral Component, Left, Size 4	561-1401	CoCrMo	66.5×61.5
Modular Femoral Component, Right, Size 4	561-1402	CoCrMo	66.5×61.5
Modular Femoral Component, Left, Size 5	561-1501	CoCrMo	70.5×65.5
Modular Femoral Component, Right, Size 5	561-1502	CoCrMo	70.5×65.5
Modular Femoral Component, Left, Size 6	561-1601	CoCrMo	74.5×69.5
Modular Femoral Component, Right, Size 6	561-1602	CoCrMo	74.5×69.5
Modular Femoral Component, Left, Size 7	561-1701	CoCrMo	79.5×74.0
Modular Femoral Component, Right, Size 7	561-1702	CoCrMo	79.5×74.0
5° Femoral Stem Connector	561-5000	CoCrMo	21.0×17.0
7° Femoral Stem Connector	561-7000	CoCrMo	21.0×17.0
Distal Femoral Expansion Component, Size 1, 4mm	568-1104	TC4 ELI	16.5×13.6
Distal Femoral Expansion Component, Size 1, 8mm	568-1108	TC4 ELI	16.5×13.6
Distal Femoral Expansion Component, Size 2 , 4mm	568-1204	TC4 ELI	18.0×15.3
Distal Femoral Expansion Component, Size 2 , 8mm	568-1208	TC4 ELI	18.0×15.3
Distal Femoral Expansion Component, Size 2 , 12mm	568-1212	TC4 ELI	18.0×15.3
Distal Femoral Expansion Component, Size 3 , 4mm	568-1304	TC4 ELI	19.5×16.8
Distal Femoral Expansion Component, Size 3 , 8mm	568-1308	TC4 ELI	19.5×16.8
Distal Femoral Expansion Component, Size 3 , 12mm	568-1312	TC4 ELI	19.5×16.8
Distal Femoral Expansion Component, Size 4 , 4mm	568-1404	TC4 ELI	21.5×18.5
Distal Femoral Expansion Component, Size 4 , 8mm	568-1408	TC4 ELI	21.5×18.5
Distal Femoral Expansion Component, Size 4 , 12mm	568-1412	TC4 ELI	21.5×18.5
Distal Femoral Expansion Component, Size 5 , 4mm	568-1504	TC4 ELI	23.5×20.3
Distal Femoral Expansion Component, Size 5 , 8mm	568-1508	TC4 ELI	23.5×20.3
Distal Femoral Expansion Component, Size 5 , 12mm	568-1512	TC4 ELI	23.5×20.3

Distal Femoral Expansion Component, Size 6 , 4mm	568-1604	TC4 ELI	25.5×21.1
Distal Femoral Expansion Component, Size 6 , 8mm	568-1608	TC4 ELI	25.5×21.1
Distal Femoral Expansion Component, Size 6 , 12mm	568-1612	TC4 ELI	25.5×21.1
Distal Femoral Expansion Component, Size 7 , 4mm	568-1704	TC4 ELI	28.0×22.4
Distal Femoral Expansion Component, Size 7 , 8mm	568-1708	TC4 ELI	28.0×22.4
Distal Femoral Expansion Component, Size 7 , 12mm	568-1712	TC4 ELI	28.0×22.4
Posterior Femoral Expansion Component, Size 1, 4mm	568-2104	TC4 ELI	16.5×13.8
Posterior Femoral Expansion Component, Size 1, 8mm	568-2108	TC4 ELI	16.5×13.8
Posterior Femoral Expansion Component, Size 2, 4mm	568-2204	TC4 ELI	18.0×15.3
Posterior Femoral Expansion Component, Size 2, 8mm	568-2208	TC4 ELI	18.0×15.3
Posterior Femoral Expansion Component, Size 3, 4mm	568-2304	TC4 ELI	19.5×16.7
Posterior Femoral Expansion Component, Size 3, 8mm	568-2308	TC4 ELI	19.5×16.7
Posterior Femoral Expansion Component, Size 4, 4mm	568-2404	TC4 ELI	21.5×17.8
Posterior Femoral Expansion Component, Size 4, 8mm	568-2408	TC4 ELI	21.5×17.8
Posterior Femoral Expansion Component, Size 5, 4mm	568-2504	TC4 ELI	23.5×18.7
Posterior Femoral Expansion Component, Size 5, 8mm	568-2508	TC4 ELI	23.5×18.7
Posterior Femoral Expansion Component, Size 6, 4mm	568-2604	TC4 ELI	25.5×19.2
Posterior Femoral Expansion Component, Size 6, 8mm	568-2608	TC4 ELI	25.5×19.2
Posterior Femoral Expansion Component, Size 7, 4mm	568-2704	TC4 ELI	28.0×19.4
Posterior Femoral Expansion Component, Size 7, 8mm	568-2708	TC4 ELI	28.0×19.4
CK Tibial Insert, Size 1, 8mm (Support Bolt)	563-1108	UHMWPE TC4 ELI	8.0×36.5×57.5
CK Tibial Insert, Size 1, 10mm (Support Bolt)	563-1110	UHMWPE TC4 ELI	10.0×36.5×57.5
CK Tibial Insert, Size 1, 12mm (Support Bolt)	563-1112	UHMWPE TC4 ELI	12.0×36.5×57.5
CK Tibial Insert, Size 1, 14mm (Support Bolt)	563-1114	UHMWPE TC4 ELI	14.0×36.5×57.5
CK Tibial Insert, Size 1, 16mm (Support Bolt)	563-1116	UHMWPE TC4 ELI	16.0×36.5×57.5
CK Tibial Insert, Size 1, 18mm (Support Bolt)	563-1118	UHMWPE TC4 ELI	18.0×36.5×57.5
CK Tibial Insert, Size 1, 20mm (Support Bolt)	563-1120	UHMWPE TC4 ELI	20.0×36.5×57.5
CK Tibial Insert, Size 1, 22mm (Support Bolt)	563-1122	UHMWPE TC4 ELI	22.0×36.5×57.5
CK Tibial Insert, Size 1, 24mm (Support Bolt)	563-1124	UHMWPE TC4 ELI	24.0×36.5×57.5
CK Tibial Insert, Size 1, 26mm (Support Bolt)	563-1126	UHMWPE TC4 ELI	26.0×36.5×57.5
CK Tibial Insert, Size 1, 28mm (Support Bolt)	563-1128	UHMWPE TC4 ELI	28.0×36.5×57.5

CK Tibial Insert, Size 1, 30mm (Support Bolt)	563-1130	UHMWPE TC4 ELI	30.0×36.5×57.5
CK Tibial Insert, Size 2, 8mm (Support Bolt)	563-1208	UHMWPE TC4 ELI	8.0×39.0×61.0
CK Tibial Insert, Size 2, 10mm (Support Bolt)	563-1210	UHMWPE TC4 ELI	10.0×39.0×61.0
CK Tibial Insert, Size 2, 12mm (Support Bolt)	563-1212	UHMWPE TC4 ELI	12.0×39.0×61.0
CK Tibial Insert, Size 2, 14mm (Support Bolt)	563-1214	UHMWPE TC4 ELI	14.0×39.0×61.0
CK Tibial Insert, Size 2, 16mm (Support Bolt)	563-1216	UHMWPE TC4 ELI	16.0×39.0×61.0
CK Tibial Insert, Size 2, 18mm (Support Bolt)	563-1218	UHMWPE TC4 ELI	18.0×39.0×61.0
CK Tibial Insert, Size 2, 20mm (Support Bolt)	563-1220	UHMWPE TC4 ELI	20.0×39.0×61.0
CK Tibial Insert, Size 2, 22mm (Support Bolt)	563-1222	UHMWPE TC4 ELI	22.0×39.0×61.0
CK Tibial Insert, Size 2, 24mm (Support Bolt)	563-1224	UHMWPE TC4 ELI	24.0×39.0×61.0
CK Tibial Insert, Size 2, 26mm (Support Bolt)	563-1226	UHMWPE TC4 ELI	26.0×39.0×61.0
CK Tibial Insert, Size 2, 28mm (Support Bolt)	563-1228	UHMWPE TC4 ELI	28.0×39.0×61.0
CK Tibial Insert, Size 2, 30mm (Support Bolt)	563-1230	UHMWPE TC4 ELI	30.0×39.0×61.0
CK Tibial Insert, Size 3, 8mm (Support Bolt)	563-1308	UHMWPE TC4 ELI	8.0×41.5×65.0
CK Tibial Insert, Size 3, 10mm (Support Bolt)	563-1310	UHMWPE TC4 ELI	10.0×41.5×65.0
CK Tibial Insert, Size 3, 12mm (Support Bolt)	563-1312	UHMWPE TC4 ELI	12.0×41.5×65.0
CK Tibial Insert, Size 3, 14mm (Support Bolt)	563-1314	UHMWPE TC4 ELI	14.0×41.5×65.0
CK Tibial Insert, Size 3, 16mm (Support Bolt)	563-1316	UHMWPE TC4 ELI	16.0×41.5×65.0
CK Tibial Insert, Size 3, 18mm (Support Bolt)	563-1318	UHMWPE TC4 ELI	18.0×41.5×65.0
CK Tibial Insert, Size 3, 20mm (Support Bolt)	563-1320	UHMWPE TC4 ELI	20.0×41.5×65.0
CK Tibial Insert, Size 3, 22mm (Support Bolt)	563-1322	UHMWPE TC4 ELI	22.0×41.5×65.0
CK Tibial Insert, Size 3, 24mm	563-1324	UHMWPE	24.0×41.5×65.0

(Support Bolt)		TC4 ELI	
CK Tibial Insert, Size 3, 26mm (Support Bolt)	563-1326	UHMWPE TC4 ELI	26.0×41.5×65.0
CK Tibial Insert, Size 3, 28mm (Support Bolt)	563-1328	UHMWPE TC4 ELI	28.0×41.5×65.0
CK Tibial Insert, Size 3, 30mm (Support Bolt)	563-1330	UHMWPE TC4 ELI	30.0×41.5×65.0
CK Tibial Insert, Size 4, 8mm (Support Bolt)	563-1408	UHMWPE TC4 ELI	8.0×44.5×69.5
CK Tibial Insert, Size 4, 10mm (Support Bolt)	563-1410	UHMWPE TC4 ELI	10.0×44.5×69.5
CK Tibial Insert, Size 4, 12mm (Support Bolt)	563-1412	UHMWPE TC4 ELI	12.0×44.5×69.5
CK Tibial Insert, Size 4, 14mm (Support Bolt)	563-1414	UHMWPE TC4 ELI	14.0×44.5×69.5
CK Tibial Insert, Size 4, 16mm (Support Bolt)	563-1416	UHMWPE TC4 ELI	16.0×44.5×69.5
CK Tibial Insert, Size 4, 18mm (Support Bolt)	563-1418	UHMWPE TC4 ELI	18.0×44.5×69.5
CK Tibial Insert, Size 4, 20mm (Support Bolt)	563-1420	UHMWPE TC4 ELI	20.0×44.5×69.5
CK Tibial Insert, Size 4, 22mm (Support Bolt)	563-1422	UHMWPE TC4 ELI	22.0×44.5×69.5
CK Tibial Insert, Size 4, 24mm (Support Bolt)	563-1424	UHMWPE TC4 ELI	24.0×44.5×69.5
CK Tibial Insert, Size 4, 26mm (Support Bolt)	563-1426	UHMWPE TC4 ELI	26.0×44.5×69.5
CK Tibial Insert, Size 4, 28mm (Support Bolt)	563-1428	UHMWPE TC4 ELI	28.0×44.5×69.5
CK Tibial Insert, Size 4, 30mm (Support Bolt)	563-1430	UHMWPE TC4 ELI	30.0×44.5×69.5
CK Tibial Insert, Size 5, 8mm (Support Bolt)	563-1508	UHMWPE TC4 ELI	8.0×48.0×75.0
CK Tibial Insert, Size 5, 10mm (Support Bolt)	563-1510	UHMWPE TC4 ELI	10.0×48.0×75.0
CK Tibial Insert, Size 5, 12mm (Support Bolt)	563-1512	UHMWPE TC4 ELI	12.0×48.0×75.0
CK Tibial Insert, Size 5, 14mm (Support Bolt)	563-1514	UHMWPE TC4 ELI	14.0×48.0×75.0
CK Tibial Insert, Size 5, 16mm (Support Bolt)	563-1516	UHMWPE TC4 ELI	16.0×48.0×75.0
CK Tibial Insert, Size 5, 18mm (Support Bolt)	563-1518	UHMWPE TC4 ELI	18.0×48.0×75.0

CK Tibial Insert, Size 5, 20mm (Support Bolt)	563-1520	UHMWPE TC4 ELI	20.0×48.0×75.0
CK Tibial Insert, Size 5, 22mm (Support Bolt)	563-1522	UHMWPE TC4 ELI	22.0×48.0×75.0
CK Tibial Insert, Size 5, 24mm (Support Bolt)	563-1524	UHMWPE TC4 ELI	24.0×48.0×75.0
CK Tibial Insert, Size 5, 26mm (Support Bolt)	563-1526	UHMWPE TC4 ELI	26.0×48.0×75.0
CK Tibial Insert, Size 5, 28mm (Support Bolt)	563-1528	UHMWPE TC4 ELI	28.0×48.0×75.0
CK Tibial Insert, Size 5, 30mm (Support Bolt)	563-1530	UHMWPE TC4 ELI	30.0×48.0×75.0
CK Tibial Insert, Size 6, 8mm (Support Bolt)	563-1608	UHMWPE TC4 ELI	8.0×51.5×80.5
CK Tibial Insert, Size 6, 10mm (Support Bolt)	563-1610	UHMWPE TC4 ELI	10.0×51.5×80.5
CK Tibial Insert, Size 6, 12mm (Support Bolt)	563-1612	UHMWPE TC4 ELI	12.0×51.5×80.5
CK Tibial Insert, Size 6, 14mm (Support Bolt)	563-1614	UHMWPE TC4 ELI	14.0×51.5×80.5
CK Tibial Insert, Size 6, 16mm (Support Bolt)	563-1616	UHMWPE TC4 ELI	16.0×51.5×80.5
CK Tibial Insert, Size 6, 18mm (Support Bolt)	563-1618	UHMWPE TC4 ELI	18.0×51.5×80.5
CK Tibial Insert, Size 6, 20mm (Support Bolt)	563-1620	UHMWPE TC4 ELI	20.0×51.35×80.5
CK Tibial Insert, Size 6, 22mm (Support Bolt)	563-1622	UHMWPE TC4 ELI	22.0×51.5×80.5
CK Tibial Insert, Size 6, 24mm (Support Bolt)	563-1624	UHMWPE TC4 ELI	24.0×51.5×80.5
CK Tibial Insert, Size 6, 26mm (Support Bolt)	563-1626	UHMWPE TC4 ELI	26.0×51.5×80.5
CK Tibial Insert, Size 6, 28mm (Support Bolt)	563-1628	UHMWPE TC4 ELI	28.0×51.5×80.5
CK Tibial Insert, Size 6, 30mm (Support Bolt)	563-1630	UHMWPE TC4 ELI	30.0×51.5×80.5
Modular Tibial Tray, Horizontal, Size 1	562-1100	TC4 ELI	36.5×57.5
Modular Tibial Tray, Horizontal, Size 2	562-1200	TC4 ELI	39.0×61.0
Modular Tibial Tray, Horizontal, Size 3	562-1300	TC4 ELI	41.5×65.0
Modular Tibial Tray, Horizontal, Size 4	562-1400	TC4 ELI	44.5×69.5
Modular Tibial Tray, Horizontal, Size 5	562-1500	TC4 ELI	48.0×75.0
Modular Tibial Tray, Horizontal, Size 6	562-1600	TC4 ELI	51.5×80.5
Modular Tibial Tray, Oblique, Size 1	562-2100	TC4 ELI	36.5×57.5

Modular Tibial Tray, Oblique, Size 2	562-2200	TC4 ELI	39.0×61.0
Modular Tibial Tray, Oblique, Size 3	562-2300	TC4 ELI	41.5×65.0
Modular Tibial Tray, Oblique, Size 4	562-2400	TC4 ELI	44.5×69.5
Modular Tibial Tray, Oblique, Size 5	562-2500	TC4 ELI	48.0×75.0
Modular Tibial Tray, Oblique, Size 6	562-2600	TC4 ELI	51.5×80.5
Cancellous Screw 6.5×15mm	146-1015	TC4 ELI	6.5×15.0
Cancellous Screw 6.5×20mm	146-1020	TC4 ELI	6.5×20.0
Cancellous Screw 6.5×25mm	146-1025	TC4 ELI	6.5×25.0
Cancellous Screw 6.5×30mm	146-1030	TC4 ELI	6.5×30.0
Cancellous Screw 6.5×35mm	146-1035	TC4 ELI	6.5×35.0
Cancellous Screw 6.5×40mm	146-1040	TC4 ELI	6.5×40.0
Cancellous Screw 6.5×45mm	146-1045	TC4 ELI	6.5×45.0
Cancellous Screw 6.5×50mm	146-1050	TC4 ELI	6.5×50.0
Cancellous Screw 6.5×55mm	146-1055	TC4 ELI	6.5×55.0
Cancellous Screw 6.5×60mm	146-1060	TC4 ELI	6.5×60.0
Cancellous Screw 6.5×65mm	146-1065	TC4 ELI	6.5×65.0
Cancellous Screw 6.5×70mm	146-1070	TC4 ELI	6.5×70.0
UC Tibial Insert, Size 1, 7mm	163-3107	UHMWPE	7.0×36.6×57.5
UC Tibial Insert, Size 1, 8mm	163-3108	UHMWPE	8.0×36.6×57.5
UC Tibial Insert, Size 1, 9mm	163-3109	UHMWPE	9.0×36.6×57.5
UC Tibial Insert, Size 1, 10mm	163-3110	UHMWPE	10.0×36.6×57.5
UC Tibial Insert, Size 1, 11mm	163-3111	UHMWPE	11.0×36.6×57.5
UC Tibial Insert, Size 1, 12mm	163-3112	UHMWPE	12.0×36.6×57.5
UC Tibial Insert, Size 1, 13mm	163-3113	UHMWPE	13.0×36.6×57.5
UC Tibial Insert, Size 1, 14mm	163-3114	UHMWPE	14.0×36.6×57.5
UC Tibial Insert, Size 1, 16mm	163-3116	UHMWPE	16.0×36.6×57.5
UC Tibial Insert, Size 1, 18mm	163-3118	UHMWPE	18.0×36.6×57.5
UC Tibial Insert, Size 1, 20mm	163-3120	UHMWPE	20.0×36.6×57.5
UC Tibial Insert, Size 2, 7mm	163-3207	UHMWPE	7.0×38.7×61.0
UC Tibial Insert, Size 2, 8mm	163-3208	UHMWPE	8.0×38.7×61.0
UC Tibial Insert, Size 2, 9mm	163-3209	UHMWPE	9.0×38.7×61.0
UC Tibial Insert, Size 2, 10mm	163-3210	UHMWPE	10.0×38.7×61.0
UC Tibial Insert, Size 2, 11mm	163-3211	UHMWPE	11.0×38.7×61.0
UC Tibial Insert, Size 2, 12mm	163-3212	UHMWPE	12.0×38.7×61.0
UC Tibial Insert, Size 2, 13mm	163-3213	UHMWPE	13.0×38.7×61.0
UC Tibial Insert, Size 2, 14mm	163-3214	UHMWPE	14.0×38.7×61.0
UC Tibial Insert, Size 2, 16mm	163-3216	UHMWPE	16.0×38.7×61.0
UC Tibial Insert, Size 2, 18mm	163-3218	UHMWPE	18.0×38.7×61.0
UC Tibial Insert, Size 2, 20mm	163-3220	UHMWPE	20.0×38.7×61.0
UC Tibial Insert, Size 3, 7mm	163-3307	UHMWPE	7.0×41.4×65.0
UC Tibial Insert, Size 3, 8mm	163-3308	UHMWPE	8.0×41.4×65.0
UC Tibial Insert, Size 3, 9mm	163-3309	UHMWPE	9.0×41.4×65.0
UC Tibial Insert, Size 3, 10mm	163-3310	UHMWPE	10.0×41.4×65.0

UC Tibial Insert, Size 3, 11mm	163-3311	UHMWPE	11.0×41.4×65.0
UC Tibial Insert, Size 3, 12mm	163-3312	UHMWPE	12.0×41.4×65.0
UC Tibial Insert, Size 3, 13mm	163-3313	UHMWPE	13.0×41.4×65.0
UC Tibial Insert, Size 3, 14mm	163-3314	UHMWPE	14.0×41.4×65.0
UC Tibial Insert, Size 3, 16mm	163-3316	UHMWPE	16.0×41.4×65.0
UC Tibial Insert, Size 3, 18mm	163-3318	UHMWPE	18.0×41.4×65.0
UC Tibial Insert, Size 3, 20mm	163-3320	UHMWPE	20.0×41.4×65.0
UC Tibial Insert, Size 4, 7mm	163-3407	UHMWPE	7.0×44.3×69.5
UC Tibial Insert, Size 4, 8mm	163-3408	UHMWPE	8.0×44.3×69.5
UC Tibial Insert, Size 4, 9mm	163-3409	UHMWPE	9.0×44.3×69.5
UC Tibial Insert, Size 4, 10mm	163-3410	UHMWPE	10.0×44.3×69.5
UC Tibial Insert, Size 4, 11mm	163-3411	UHMWPE	11.0×44.3×69.5
UC Tibial Insert, Size 4, 12mm	163-3412	UHMWPE	12.0×44.3×69.5
UC Tibial Insert, Size 4, 13mm	163-3413	UHMWPE	13.0×44.3×69.5
UC Tibial Insert, Size 4, 14mm	163-3414	UHMWPE	14.0×44.3×69.5
UC Tibial Insert, Size 4, 16mm	163-3416	UHMWPE	16.0×44.3×69.5
UC Tibial Insert, Size 4, 18mm	163-3418	UHMWPE	18.0×44.3×69.5
UC Tibial Insert, Size 4, 20mm	163-3420	UHMWPE	20.0×44.3×69.5
UC Tibial Insert, Size 5, 7mm	163-3507	UHMWPE	7.0×47.8×75.0
UC Tibial Insert, Size 5, 8mm	163-3508	UHMWPE	8.0×47.8×75.0
UC Tibial Insert, Size 5, 9mm	163-3509	UHMWPE	9.0×47.8×75.0
UC Tibial Insert, Size 5, 10mm	163-3510	UHMWPE	10.0×47.8×75.0
UC Tibial Insert, Size 5, 11mm	163-3511	UHMWPE	11.0×47.8×75.0
UC Tibial Insert, Size 5, 12mm	163-3512	UHMWPE	12.0×47.8×75.0
UC Tibial Insert, Size 5, 13mm	163-3513	UHMWPE	13.0×47.8×75.0
UC Tibial Insert, Size 5, 14mm	163-3514	UHMWPE	14.0×47.8×75.0
UC Tibial Insert, Size 5, 16mm	163-3516	UHMWPE	16.0×47.8×75.0
UC Tibial Insert, Size 5, 18mm	163-3518	UHMWPE	18.0×47.8×75.0
UC Tibial Insert, Size 5, 20mm	163-3520	UHMWPE	20.0×47.8×75.0
UC Tibial Insert, Size 6, 7mm	163-3607	UHMWPE	7.0×51.3×80.5
UC Tibial Insert, Size 6, 8mm	163-3608	UHMWPE	8.0×51.3×80.5
UC Tibial Insert, Size 6, 9mm	163-3609	UHMWPE	9.0×51.3×80.5
UC Tibial Insert, Size 6, 10mm	163-3610	UHMWPE	10.0×51.3×80.5
UC Tibial Insert, Size 6, 11mm	163-3611	UHMWPE	11.0×51.3×80.5
UC Tibial Insert, Size 6, 12mm	163-3612	UHMWPE	12.0×51.3×80.5
UC Tibial Insert, Size 6, 13mm	163-3613	UHMWPE	13.0×51.3×80.5
UC Tibial Insert, Size 6, 14mm	163-3614	UHMWPE	14.0×51.3×80.5
UC Tibial Insert, Size 6, 16mm	163-3616	UHMWPE	16.0×51.3×80.5
UC Tibial Insert, Size 6, 18mm	163-3618	UHMWPE	18.0×51.3×80.5
UC Tibial Insert, Size 6, 20mm	163-3620	UHMWPE	20.0×51.3×80.5
UC Tibial Insert, Size 7, 7mm	163-3707	UHMWPE	7.0×54.8×86.0
UC Tibial Insert, Size 7, 8mm	163-3708	UHMWPE	8.0×54.8×86.0
UC Tibial Insert, Size 7, 9mm	163-3709	UHMWPE	9.0×54.8×86.0

UC Tibial Insert, Size 7, 10mm	163-3710	UHMWPE	10.0×54.8×86.0
UC Tibial Insert, Size 7, 11mm	163-3711	UHMWPE	11.0×54.8×86.0
UC Tibial Insert, Size 7, 12mm	163-3712	UHMWPE	12.0×54.8×86.0
UC Tibial Insert, Size 7, 13mm	163-3713	UHMWPE	13.0×54.8×86.0
UC Tibial Insert, Size 7, 14mm	163-3714	UHMWPE	14.0×54.8×86.0
UC Tibial Insert, Size 7, 16mm	163-3716	UHMWPE	16.0×54.8×86.0
UC Tibial Insert, Size 7, 18mm	163-3718	UHMWPE	18.0×54.8×86.0
UC Tibial Insert, Size 7, 20mm	163-3720	UHMWPE	20.0×54.8×86.0
Bone Cement Type Extension Rod, 12x30mm	565-1203	TC4 ELI	12.0×30.0
Bone Cement Type Extension Rod, 14x30mm	565-1403	TC4 ELI	14.0×30.0
Bone Cement Type Extension Rod, 12x50mm	565-1205	TC4 ELI	12.0×50.0
Bone Cement Type Extension Rod, 14x50mm	565-1405	TC4 ELI	14.0×50.0
Bone Cement Type Extension Rod, 12x80mm	565-1208	TC4 ELI	12.0×80.0
Bone Cement Type Extension Rod, 14x80mm	565-1408	TC4 ELI	14.0×80.0
Bone Cement Type Extension Rod, 12x120mm	565-1212	TC4 ELI	12.0×120.0
Bone Cement Type Extension Rod, 14x120mm	565-1412	TC4 ELI	14.0×120.0
Groove Type Extension Rod, 10x80mm	566-1008	TC4 ELI	10.0×80.0
Groove Type Extension Rod, 12x80mm	566-1208	TC4 ELI	12.0×80.0
Groove Type Extension Rod, 13x80mm	566-1308	TC4 ELI	13.0×80.0
Groove Type Extension Rod, 14x80mm	566-1408	TC4 ELI	14.0×80.0
Groove Type Extension Rod, 15x80mm	566-1508	TC4 ELI	15.0×80.0
Groove Type Extension Rod, 16x80mm	566-1608	TC4 ELI	16.0×80.0
Groove Type Extension Rod, 17x80mm	566-1708	TC4 ELI	17.0×80.0
Groove Type Extension Rod, 18x80mm	566-1808	TC4 ELI	18.0×80.0
Groove Type Extension Rod, 20x80mm	566-2008	TC4 ELI	20.0×80.0
Groove Type Extension Rod, 22x80mm	566-2208	TC4 ELI	22.0×80.0
Groove Type Extension Rod, 24x80mm	566-2408	TC4 ELI	24.0×80.0
Groove Type Extension Rod, 10x110mm	566-1011	TC4 ELI	10.0×110.0
Groove Type Extension Rod, 12x110mm	566-1211	TC4 ELI	12.0×110.0
Groove Type Extension Rod, 13x110mm	566-1311	TC4 ELI	13.0×110.0
Groove Type Extension Rod, 14x110mm	566-1411	TC4 ELI	14.0×110.0
Groove Type Extension Rod, 15x110mm	566-1511	TC4 ELI	15.0×110.0
Groove Type Extension Rod, 16x110mm	566-1611	TC4 ELI	16.0×110.0
Groove Type Extension Rod, 17x110mm	566-1711	TC4 ELI	17.0×110.0
Groove Type Extension Rod, 18x110mm	566-1811	TC4 ELI	18.0×110.0
Groove Type Extension Rod, 20x110mm	566-2011	TC4 ELI	20.0×110.0
Groove Type Extension Rod, 22x110mm	566-2211	TC4 ELI	22.0×110.0
Groove Type Extension Rod, 24x110mm	566-2411	TC4 ELI	24.0×110.0
Groove Type Extension Rod, 10x150mm	566-1015	TC4 ELI	10.0×150.0
Groove Type Extension Rod, 12x150mm	566-1215	TC4 ELI	12.0×150.0
Groove Type Extension Rod, 13x150mm	566-1315	TC4 ELI	13.0×150.0
Groove Type Extension Rod, 14x150mm	566-1415	TC4 ELI	14.0×150.0
Groove Type Extension Rod, 15x150mm	566-1515	TC4 ELI	15.0×150.0

Groove Type Extension Rod, 16x150mm	566-1615	TC4 ELI	16.0×150.0
Groove Type Extension Rod, 17x150mm	566-1715	TC4 ELI	17.0×150.0
Groove Type Extension Rod, 18x150mm	566-1815	TC4 ELI	18.0×150.0
Groove Type Extension Rod, 20x150mm	566-2015	TC4 ELI	20.0×150.0
Groove Type Extension Rod, 22x150mm	566-2215	TC4 ELI	22.0×150.0
Groove Type Extension Rod, 24x150mm	566-2415	TC4 ELI	24.0×150.0
Tibial Expansion Component 10° Wedge Right Lateral/ Left Medical Size 1	567-1101	TC4	36.0×23.5
Tibial Expansion Component 10° Wedge Right Lateral/ Left Medical Size 2	567-1102	TC4	38.5×25.5
Tibial Expansion Component 10° Wedge Right Lateral/ Left Medical Size 3	567-1103	TC4	41.0×27.5
Tibial Expansion Component 10° Wedge Right Lateral/ Left Medical Size 4	567-1104	TC4	44.0×29.5
Tibial Expansion Component 10° Wedge Right Lateral/ Left Medical Size 5	567-1105	TC4	47.5×32.5
Tibial Expansion Component 10° Wedge Right Lateral/ Left Medical Size 6	567-1106	TC4	51.0×35.0
Tibial Expansion Component 10° Wedge Left Lateral/ Right Medical Size 1	567-1201	TC4	36.0×23.5
Tibial Expansion Component 10° Wedge Left Lateral/ Right Medical Size 2	567-1202	TC4	38.5×25.5
Tibial Expansion Component 10° Wedge Left Lateral/ Right Medical Size 3	567-1203	TC4	41.0×27.5
Tibial Expansion Component 10° Wedge Left Lateral/ Right Medical Size 4	567-1204	TC4	44.0×29.5
Tibial Expansion Component 10° Wedge Left Lateral/ Right Medical Size 5	567-1205	TC4	47.5×32.5
Tibial Expansion Component 10° Wedge Left Lateral/ Right Medical Size 6	567-1206	TC4	51.0×35.0
Tibial Expansion Component 20° Wedge Right Lateral/ Left Medical Size 1	567-2101	TC4	36.0×23.5
Tibial Expansion Component 20° Wedge Right Lateral/ Left Medical Size 2	567-2102	TC4	38.5×25.5
Tibial Expansion Component 20° Wedge Right Lateral/ Left Medical Size 3	567-2103	TC4	41.0×27.5
Tibial Expansion Component 20° Wedge Right Lateral/ Left Medical Size 4	567-2104	TC4	44.0×29.5
Tibial Expansion Component 20° Wedge Right Lateral/ Left Medical Size 5	567-2105	TC4	47.5×32.5
Tibial Expansion Component 20° Wedge Right Lateral/ Left Medical Size 6	567-2106	TC4	51.0×35.0
Tibial Expansion Component 20° Wedge Left Lateral/ Right Medical Size 1	567-2201	TC4	36.0×23.5
Tibial Expansion Component 20° Wedge Left Lateral/ Right Medical Size 2	567-2202	TC4	38.5×25.5
Tibial Expansion Component 20° Wedge Left Lateral/ Right Medical Size 3	567-2203	TC4	41.0×27.5
Tibial Expansion Component 20° Wedge Left Lateral/ Right Medical Size 4	567-2204	TC4	44.0×29.5
Tibial Expansion Component 20° Wedge Left Lateral/ Right Medical Size 5	567-2205	TC4	47.5×32.5
Tibial Expansion Component 20° Wedge Left Lateral/ Right Medical Size 6	567-2206	TC4	51.0×35.0
Tibial Expansion Component 5mm Right Lateral/ Left Medical Size 1	567-5101	TC4	36.0×23.5×5.0
Tibial Expansion Component 5mm Right Lateral/ Left Medical Size 2	567-5102	TC4	38.5×25.5×5.0
Tibial Expansion Component 5mm Right Lateral/ Left Medical Size 3	567-5103	TC4	41.0×27.5×5.0
Tibial Expansion Component 5mm Right Lateral/ Left Medical Size 4	567-5104	TC4	44.0×29.5×5.0
Tibial Expansion Component 5mm Right Lateral/ Left Medical Size 5	567-5105	TC4	47.5×32.5×5.0
Tibial Expansion Component 5mm Right Lateral/ Left Medical Size 6	567-5106	TC4	51.0×35.0×5.0
Tibial Expansion Component 5mm Left Lateral/ Right Medical Size 1	567-5201	TC4	36.0×23.5×5.0
Tibial Expansion Component 5mm Left Lateral/ Right Medical Size 2	567-5202	TC4	38.5×25.5×5.0
Tibial Expansion Component 5mm Left Lateral/ Right Medical Size 3	567-5203	TC4	41.0×27.5×5.0
Tibial Expansion Component 5mm Left Lateral/ Right Medical Size 4	567-5204	TC4	44.0×29.5×5.0
Tibial Expansion Component 5mm Left Lateral/ Right Medical Size 5	567-5205	TC4	47.5×32.5×5.0
Tibial Expansion Component 5mm Left Lateral/ Right Medical Size 6	567-5206	TC4	51.0×35.0×5.0
Tibial Expansion Component 10mm Right Lateral/ Left Medical Size 1	567-6101	TC4	36.0×23.5×10.0

Tibial Expansion Component 10mm Right Lateral/ Left Medical Size 2	567-6102	TC4	38.5×25.5×10.0
Tibial Expansion Component 10mm Right Lateral/ Left Medical Size 3	567-6103	TC4	41.0×27.5×10.0
Tibial Expansion Component 10mm Right Lateral/ Left Medical Size 4	567-6104	TC4	44.0×29.5×10.0
Tibial Expansion Component 10mm Right Lateral/ Left Medical Size 5	567-6105	TC4	47.5×32.5×10.0
Tibial Expansion Component 10mm Right Lateral/ Left Medical Size 6	567-6106	TC4	51.0×35.0×10.0
Tibial Expansion Component 10mm Left Lateral/ Right Medical Size 1	567-6201	TC4	36.0×23.5×10.0
Tibial Expansion Component 10mm Left Lateral/ Right Medical Size 2	567-6202	TC4	38.5×25.5×10.0
Tibial Expansion Component 10mm Left Lateral/ Right Medical Size 3	567-6203	TC4	41.0×27.5×10.0
Tibial Expansion Component 10mm Left Lateral/ Right Medical Size 4	567-6204	TC4	44.0×29.5×10.0
Tibial Expansion Component 10mm Left Lateral/ Right Medical Size 5	567-6205	TC4	47.5×32.5×10.0
Tibial Expansion Component 10mm Left Lateral/ Right Medical Size 6	567-6206	TC4	51.0×35.0×10.0
Tibial Expansion Component 15mm Right Lateral/ Left Medical Size 1	567-7101	TC4	36.0×23.5×15.0
Tibial Expansion Component 15mm Right Lateral/ Left Medical Size 2	567-7102	TC4	38.5×25.5×15.0
Tibial Expansion Component 15mm Right Lateral/ Left Medical Size 3	567-7103	TC4	41.0×27.5×15.0
Tibial Expansion Component 15mm Right Lateral/ Left Medical Size 4	567-7104	TC4	44.0×29.5×15.0
Tibial Expansion Component 15mm Right Lateral/ Left Medical Size 5	567-7105	TC4	47.5×32.5×15.0
Tibial Expansion Component 15mm Right Lateral/ Left Medical Size 6	567-7106	TC4	51.0×35.0×15.0
Tibial Expansion Component 15mm Left Lateral/ Right Medical Size 1	567-7201	TC4	36.0×23.5×15.0
Tibial Expansion Component 15mm Left Lateral/ Right Medical Size 2	567-7202	TC4	38.5×25.5×15.0
Tibial Expansion Component 15mm Left Lateral/ Right Medical Size 3	567-7203	TC4	41.0×27.5×15.0
Tibial Expansion Component 15mm Left Lateral/ Right Medical Size 4	567-7204	TC4	44.0×29.5×15.0
Tibial Expansion Component 15mm Left Lateral/ Right Medical Size 5	567-7205	TC4	47.5×32.5×15.0
Tibial Expansion Component 15mm Left Lateral/ Right Medical Size 6	567-7206	TC4	51.0×35.0×15.0