Valid on 17 Aug 2024

GLOBAL MEDACTA KNEE PRIMARY

DIFFERENT NEEDS... ... YOUR GLOBAL SOLUTION



Bone Referencing Surgical Technique

Knee

Naviga



Knee

INTRODUCTION

The GMK Primary can be implanted following different Surgical Techniques, according to the surgeon's preferences and habits:

- Bone Referencing Muscle Sparing and Conventional Surgical Technique
- AllinOne Surgical Technique
- iMNS Computer Assisted Surgical Technique
- LBS Surgical Technique
- Ligament Tensor Surgical Technique.

In this brochure the Bone Referencing Surgical Technique, also referred to as the Measured Resections technique, is described.

This technique focuses on knee alignment and in setting tibial and femoral resections based on bone references. Soft tissues are then managed "around" the resections. The technique can be used in both tibia first and femur first approaches.

The distal femoral resection is made with respect to the intramedullary canal, while the A/P 4in1 speed block positioning is based on different anatomic references (posterior condyles, epicondyles or Whiteside line).

A C K N O W L E D G M E N T S

Medacta International would like to express its gratitude to

DR. WERNER ANDERL Barmherzigen Schwestern Hospital, Wien, Austria

PROF. DANIEL FRITSCHY University Cantonal Hospital, Geneva, Switzerland

DR. PETER KOCH Uniklinik Balgrist, Zürich, Switzerland **DR. RENÉ VERDONK** Ghent University Hospital, Ghent, Belgium

DR. PASCAL VIÉ Clinique du Cèdre, Rouen, France

for their valuable and constant help in GMK Primary implant, instruments and Surgical Technique development.





CAUTION

Some specific instruments are fixed to the bone by means of dedicated pins. Before using the pins, ensure that they are intact and fully functional. BENT OR DEFECTIVE PINS CAN NOT BE USED AND MUST BE REPLACED BY NEW ONES.

Pins extraction must be performed avoiding any bending. This results in axial alignment between the pin and the dedicated extractor.

It is strongly recommended not to impact or hammer on any instruments unless otherwise specified in the surgical technique.

For detailed instructions contact your local Medacta® sales representative.

SYMBOLS

Throughout the surgical technique you will find the following symbols:

The descriptions in the Option boxes refer to alternative way to perform the same procedure.

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/ PS

The descriptions in the MSS boxes refer to instruments purposely designed for Muscle Sparing approaches.

The descriptions in the PS boxes refer to procedures related to the PS version of the GMK Primary Implant.

PLEASE NOTE

In the surgical technique described hereafter, the resections are performed in the following order:

- A. Distal femoral resection
- B. Tibial resection
- C. A/P femoral resections and chamfers

Nonetheless, the surgeon can change the resections' order, choosing between the following sequences:

- A. Distal femoral resection
- C. A/P femoral resections and chamfers
- B. Tibial resection
- or
- B. Tibial resection
- A. Distal femoral resection
- C. A/P femoral resections and chamfers

It is compulsory to perform the distal femoral resection before the A/P resection and chamfers.

GMK PRIMARY Surgical Technique	Knee		

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INDICATIONS

The GMK-Total Knee System is designed for cementless and cemented use in total knee arthroplasty, if there is evidence of sufficient sound bone to seat and support the components.

This knee replacement system is indicated in the following cases:

- Severely painful and/or disabled joint as a result of arthritis, traumatic arthritis, rheumatoid arthritis or polyarthritis.
- Avascular necrosis of femoral condyle.
- Post traumatic loss of joint configuration.
- Primary implantation failure.

2 contraindications

Total knee replacement is contraindicated in the following cases:

- Progressive local or systemic infection.
- Muscular loss, neuromuscular disease or vascular deficiency of the affected limb, making the operation unjustifiable.
- Severe instability secondary to advanced destruction of condralar structures or loss of integrity of the medial or lateral ligament.

Mental or neuromuscular disorders may create an unacceptable risk to the patient and can be a source of postoperative complications. It is the surgeon's responsibility to ensure that the patient has no known allergy to the materials used.

3 preoperative planning

3.1 Radiological planning

This is performed from the scanogram, anterior-posterior, lateral and sunrise knee radiographs.

The goal is to determine the angle formed by the anatomical axis and the mechanical axis of the femur to be treated, to determine the tibial slope, to trace and measure bone resections, to establish the intramedullary guide introduction points, to assess the sizes of the femoral and tibial components, the height of the tibial insert, the thickness of patella to be resected, to study the topography of the operative site (localization of osteophytes and mainly posterior osteophytes).

3.2 Clinical planning

The goal is to assess the range of motion of the joint and patellar centring and to assess whether deformities and ligamentous instability exist or not.

4 SURGICAL APPROACH

The most commonly used surgical approach is the medial parapatellar approach. Other approaches may be used depending on the surgeon's preference. For example, a lateral paraptellar approach is sometimes used in patients with severe valgus deformities.

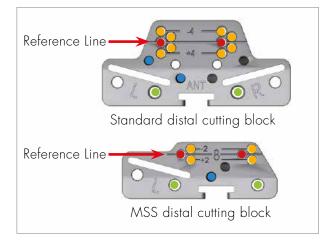
Other approaches described include the subvastus and midvastus approaches.

Once the arthrotomy has been achieved, it is advisable at this stage to resect any accessible osteophytes, such that they do not interfere with the choice of implant size or with the assessment of joint stability.



5 distal femoral resection

Open the intramedullary canal by means of the 9 mm drill. It is recommended to toggle the drill tip to allow venting of the intramedullary canal.



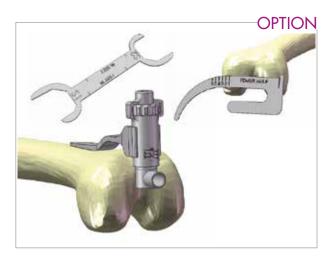
Distal cutting block holes (left knee)

- Parallel positioning holes
- Oblique fixation holes
- Sawblade guide / alignment rod holes
- Parallel repositioning holes

/ OPTION

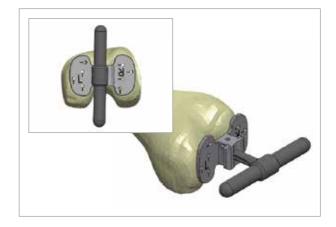
The intramedullary drill bit can be driven by the IM hole gauger.

Assess the femoral size through the dedicated set of femoral templates. The medio-lateral width of the femur can be double-checked by means of the sickle finger. Select the femoral size on the femoral intramedullary hole gauger and position this in the middle of the trochlea while in contact with the anterior cortex. This will identify the intramedullary canal according to the femoral size.



Assemble the distal cut positioner on the intramedullary guide rod and insert the rod into the canal. The distal cut positioner has 6° correction from the anatomical axis and therefore it must be rotated until the correct operative side can be identified on the block by "R" or "L".

Once the 6° distal cut positioner is in place, held by the IM rod, it may be in contact with only one of the distal condyles.

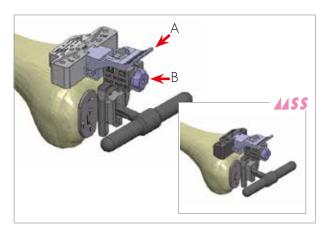


Assemble the distal cut positioner curved rod around the 6° distal cut positioner. Also attach the distal cutting block. Pulling down the lever (A) firmly attaches the cutting block to the positioner.



As the MSS distal cutting block is intended for both left and right knees, be sure to check that the correct side, corresponding to the knee to be operated on, can be read on the anterior face.

The femoral distal resection, routinely planned at 8 mm (corresponding to the thickness of the distal and posterior condyles of the femoral component), can be micrometrically adjusted turning the screw (B) in the range from 4 mm to 12 mm. Fix the block by introducing 2 pins in the holes corresponding to the reference line. If needed the cutting block can be moved distally or proximally in 2 mm increments using the repositioning holes.



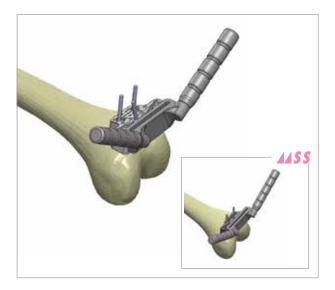
Before performing the resection, check the cutting block position with the sickle finger.

In order to check the correct alignment of the distal cutting block, insert the telescopic alignment rod into the dedicated holes of the cutting block and verify that the rod points in the direction of the centre femoral head.



Once the distal cutting block position has been deemed satisfactory, it is recommended to add an additional oblique pin. Disassemble the distal cut positioner by releasing the lever (A). Remove the IM rod assembly to prepare for the distal femoral resection.

Place the saw blade guide and perform the distal resection.



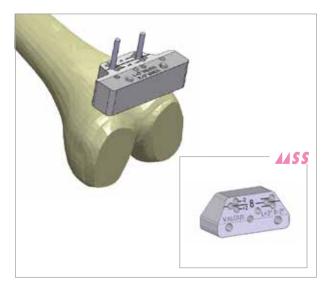
Once the resection is performed, remove the pins and distal cutting block. Should a recut be necessary, the pin holes can be located again.

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Knee

/ OPTION

An additional cutting block allows the correction of the valgus of the distal resection (+/- 2° valgus). Ensure that the correction cutting blocks are positioned on the same holes row used to perform the distal cut.



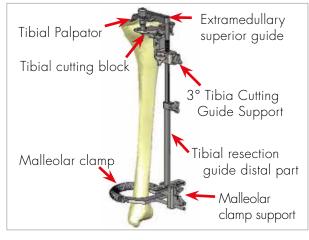


5 TIBIAL RESECTION

The tibial resection can be performed using either extramedullary or intramedullary alignment guides. For a muscle sparing approach the most suitable guide is the extramedullary one.

6.1 Assembling the tibial guide

Assembling the extramedullary tibial guide



Fix the 3° tibia cutting guide support to the extramedullary superior guide. This support provides a 3° posterior slope on the tibial cutting plane, when the stem of the extramedullary superior guide is parallel to the tibial crest. Join the distal part of the tibial resection guide to the extramedullary superior guide, without locking it. Position the malleolar clamp, assembled to its support, at the distal extremity. Slide the tibia cutting block of the suitable side (left or right) in the 3° support and fix the system by turning the lateral screw of the support. After the resection of ACL (standard PE insert), or of both cruciate ligaments (posterior-stabilized and ultra-congruent inserts), position the assembled guide on the tibia, introducing the longest spike of the extramedullary superior guide in the centre of the tibial intercondylar eminence and fixing the malleolary clamp, taking care that its rotation is exactly facing the center of the ankle joint.

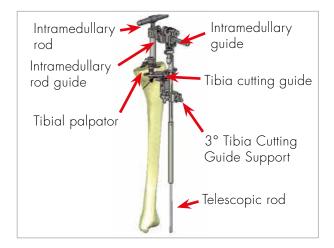
/ **1155**

For a MSS approach, the superior guide has one stabilization spike and a provisional pin to fix it after all adjustments.



Assembling the intramedullary tibial guide

The intramedullary guide consists of:



After the resection of ACL (standard PE insert), or of both cruciate ligaments (postero-stabilized and ultracongruent inserts), open the intramedullary canal with the aid of the 9 mm drill.

/ CAUTION

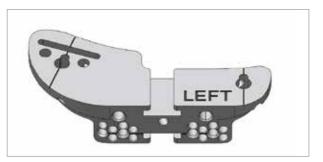
The hole must be drilled anteriorly to the tibial spine to have the correct position of the intramedullary rod in the tibial diaphysis.

Slide the tibia cutting block (standard only) into the 3° tibia cutting guide support and lock the system by turning the lateral screw.

Insert⁻ the intramedullary guide in the 3° support and the telescopic rod in the distal extremity of the intramedullary guide.

Introduce the intramedullary rod equipped with its support as deep as possible in the tibial intramedullary canal.

Build up the intramedullary guide onto the intramedullary rod support in order to position the whole system on the tibia.



The extramedullary guide consists of:

6.2 Setting the tibial varus/valgus

To ensure neutral tibial rotation, the centre of the tibial cutting block must be exactly opposite the medial third of the tibial tubercle. The flat anterior border of the cutting block should be parallel to the transverse mediolateral plane of the tibia.

/ CAUTION

It is important that the cutting guide is carefully centred to prevent any varus or valgus deviation when making the resection.

Setting the tibial varus/valgus - Extramedullary guide

Setting the tibial varus/valgus - Intramedullary guide

In order to make the tibia cut perpendicular to the mechanical axis, make sure that the malleolar clamp support is on the centre of the ankle.

By translating the distal stem on the malleolar clamp support, it is possible to adjust the varus of the tibial resection in the frontal plane (varus or valgus).



Adjust the frontal alignment, ensuring that the tip of the telescopic rod is opposite the second metatarsal bone.

With the lever (L) positioned at 90° the tibia cut will be performed perpendicular to the intramedullary reference; if any varus/valgus correction is required, after having unlocked the screw behind the lever, switch the lever in the V/V position and adjust the varus/valgus. Finally, lock the screw behind the lever.





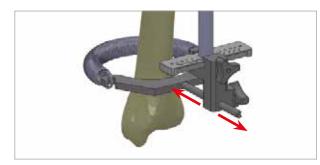
6.3 Setting the tibial slope

It is always recommended to give a posterior slope ranging from 0° to 3° for a fixed bearing implant and from 3° to 6° for a mobile bearing implant.

ASS

Setting the tibial slope - Extramedullary guide

The 3° tibia cutting guide support gives a 3° posterior slope, if the extramedullary guide is parallel to the tibial crest. Any further adjustment of the posterior slope can be performed sliding the distal part of the malleolar clamp support along the malleolar clamp rod.



Once the tibial cutting guide rotation, frontal alignment and posterior slope are deemed satisfactory, completely insert in the intercondylar eminence the two spikes of the extramedullary superior guide.

For an MSS approach, fix the guide by inserting a 2.2 mm sword pin in the proximal hole of the superior guide.



Setting the tibial slope - Intramedullary guide

Adjust the slope of the tibial resection by turning the micrometric screw on the top of the intramedullary guide (possible adjustments from 0° to 8° of posterior slope).



/ CAUTION

Refer to the slope values marked on the top of the intramedullary guide only. Disregard the 3° marking engraved on the tibial cutting guide support. lip Knee

6.4 Setting the tibial resection level

Unlock the lateral screw of the 3° support, position the cutting guide a few millimetres from the proximal tibia and fix the tibial palpator into the dedicated hole on the cutting guide. Two styli are available, one to make a standard cut, 8 mm from the less worn tibia plateau, and one to make a conservative cut, 2 mm under the most worn plateau.

Setting the tibial resection level - Extramedullary guide

Adjust the cut height using the chosen reference stylus by sliding the 3° support vertically along the extramedullary superior guide (graduation in 2 mm increments).

Verify the level of the cut with the help of the sickle finger.



When the adjustment is satisfactory, lock the frontal screw of the 3° support.

Setting the tibial resection level - Intramedullary guide

Fine-tune the cut height using the chosen reference stylus and adjusting the height screw.



6.5 Fixation of the tibial cutting block

Before fixing the tibial cutting block, it is recommended to check the cut height and the posterior slope with the help of the sickle finger.



Tibial cutting block holes (left knee)

- Parallel positioning holes
- Oblique fixation holes
- Sawblade guide holes
- Palpator holes

After pre-drilling, place two parallel pins in the row of holes marked with a line. This will facilitate additional cut height adjustment, if necessary.



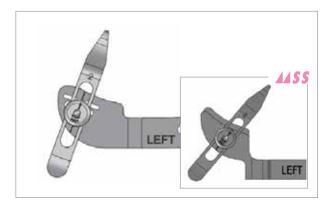
6.6 Removing the tibial cutting guide Removing the extramedullary tibial cutting guide Removing the intramedullary tibial cutting guide

Remove the tibial palpator and unlock the frontal screw of the 3° support guide.

Loosen the extramedullary guide and withdraw the proximal extramedullary rod from the distal stem attached to the malleolar clamp. Remove the tibial palpator and the intramedullary guide from the tibial cutting guide. Then withdraw the intramedullary rod together with its support.

To remove the tibial palpator from the tibial cutting block, align the arrow on the palpator to the line marked on the cutting block, as shown in the pictures on the left.

In order to check the frontal alignment of the cutting block, it is possible to assemble to the standard cutting block the telescopic alignment rod and verify if it points to the second metatarsal bone (picture on the right).





6.7 Tibial resection

Bring the tibial cutting guide into contact with the tibia by sliding it along the pins. If needed, in order to increase the stability, a third oblique pin can be introduced through the central hole of the standard tibial cutting block or through the medial hole of the MSS cutting block.





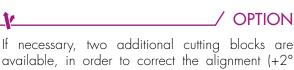


If a standard insert will be used, one or two pins may be fixed in front of the tibial insertion of PCL, in order to protect it during the resection.

CAUTION

As the tibial resection is sloped, ensure rotation and varus/valgus of the tibial cutting guide has not changed during disassembly of the guides before performing the resection.

After having removed the oblique pin and the saw blade guide when using a standard block, slide the tibial cutting block over its two parallel pins, which should remain in position in case of any need of tibial recut.



OPTION

available, in order to correct the alignment (+2° varus/valgus) and the posterior slope (+/- 2°) of the performed tibial resection. Ensure that the correction cutting blocks are positioned on the same row of holes used to perform the initial tibial resection.



In order to protect the tibia after its resection, different cover plates are available, according to the tibial size (1/2, 3/4 and 5/6). The tibial sizing is performed by superimposing the trial tibial baseplates to the resected part of the tibial plateau or directly to the tibia. If needed, a set of tibial templates is available.

CAUTION

The undersurface of the cover plate is endowed with three cutting spikes. Handle with care.

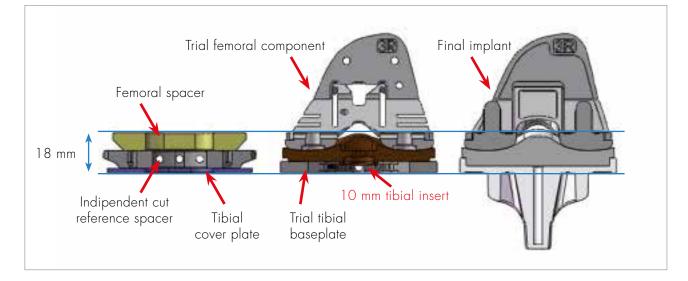




The full PE tibial baseplate is symmetric, use the dedicate set of tibial template to assess the tibial size.



EXTENSION GAP CONTROL



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In order to check the tibial and distal femoral cuts, the independent cut reference spacer assembled with the dedicated femoral spacers will be used. The femoral spacer simulates the thickness of the femoral component and is available in 2 different widths, suitable for sizes 1-3 and 4-6. Therefore, the thickness of independent cut reference spacer, assembled with the femoral spacer and leaning on the tibial cover plate, corresponds to the total prosthesis thickness given by the tibial baseplate, the thinner PE insert and the femoral component.

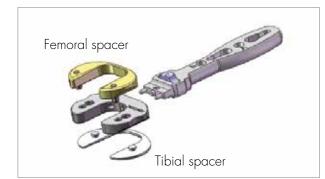
With the knee in extension, introduce into the joint the independent cut reference spacer complete with the femoral spacer and assembled with the baseplate handle.



/ CAUTION

The femoral spacer has to be fixed to the reference spacer on the side with the "FEMORAL" marking.

In case of laxity, the thickness of the reference spacer can be increased by adding a tibial spacer. Tibial spacers are available in different thicknesses simulating the different tibial inserts (12, 14, 17 and 20 mm). The tibial spacers have to be fixed to the reference spacer on the side with the "TIBIAL" marking.



OPTION

If the tibial cover plate is not used, add the blue tibial spacer of the minimum thickness to the independent cut reference spacer on the side with the "TIBIAL" marking.

In case of laxity, the thickness of the reference spacer can be increased by adding blue tibial spacers. Blue tibial spacers are available in different thicknesses simulating the different tibial inserts (10, 12, 14, 17 and 20 mm).

If it is not impossible to introduce the reference spacer into the joint, the tibial resection can be changed by re-positioning the tibial cutting block on the two pins left in place. An additional 2 mm or 4 mm of bone may be resected.

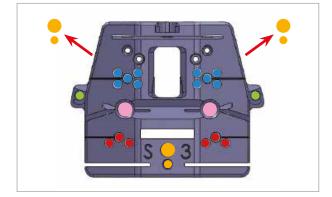
If, despite of a posterior release, the tests indicate incomplete extension, this would require a further 2 mm distal femoral cut. In this case, re-position the distal cutting block on the two pins left in place through the holes rows which allow 2 mm recuts.

8 ANTERIOR CUT, POSTERIOR CUT AND CHAMFERS

With the 4in1 femoral cutting block, the femoral anterior, posterior, and chamfer resections can be performed.

/ CAUTION

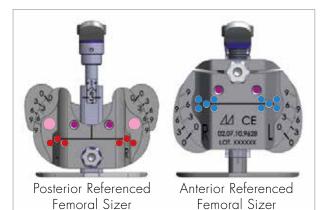
All femoral resections have to be performed by means of a 13 mm wide and up to 1.27 mm thick sawblade.



4in1 cutting block holes

- Parallel positioning holes (Posterior Referencing)
- Parallel positioning holes (Anterior Referencing)
- Oblique fixation holes
- Handle holes
- Cancellous bone screws holes

To position the 4in1 cutting block, two different femoral sizers are available:

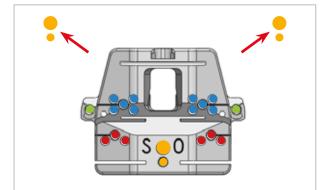


Femoral sizer holes

- Parallel positioning holes (Posterior Referencing)
- Parallel positioning holes (Anterior Referencing)
- 4in1 pegs drilling holes
- Epicondylar axis reference holes

' CAUTION

For femoral size 0 there is a dedicated 4 in 1 femoral cutting block.

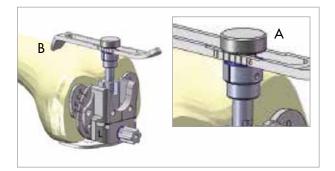


- 4 in 1 cutting block holes (size 0)
- Parallel positioning holes (Posterior Referencing)
- Parallel positioning holes (Anterior Referencing)
- Oblique fixation holes
- Handle holes

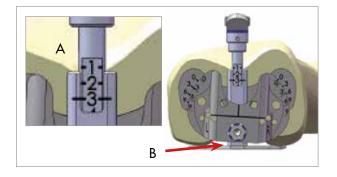


Posterior referencing: femoral sizing and external rotation adjustment

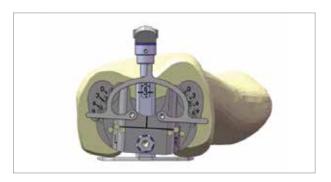
The posterior referencing femoral sizer must be positioned in contact with the distal cut surface, with both the posterior condyles well applied on its base. Refine the positioning of the sizer, by selecting the size of the femur on the anterior palpator (A). Close the sizer until the anterior palpator touches the anterior cortex (B).



The size of the femur can be read on the femoral sizer (A). Set the external rotation (0°, 3°, 6° or 9°) turning the central part of the sizer according to the side to be operated on and lock the system by tightening the central screw of the femoral sizer (B).



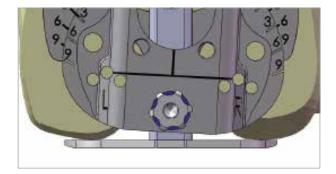
The external rotation can also be checked considering the alignment to the epicondylar axis, using the epicondylar axis reference.



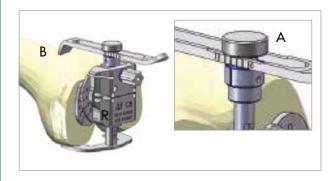
Anterior referencing: femoral sizing and external rotation adjustment

The anterior referencing femoral sizer must be positioned in contact with the distal cut surface.

The size of the femur can be read on the femoral sizer.

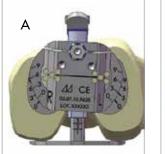


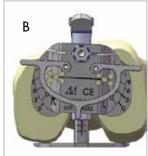
Refine the positioning of the sizer, by selecting the size of the femur on the anterior palpator (A). Place the anterior palpator in contact with the anterior cortex. Close the sizer until its base touches the posterior condyles (B).



Set the external rotation (0°, 3°, 6° or 9°) turning the central part of the sizer according to the side to be operated on and lock the system tightening the central screw of the femoral sizer (A).

The external rotation can also be checked considering the alignment to the epicondylar axis, using the epicondylar axis reference (B).





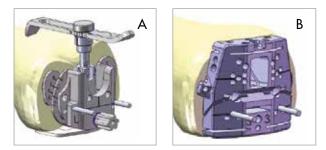
Posterior referencing: 4in1 cutting block positioning

Option 1: central pins - Once the position of the sizer is satisfactory, pre-drill and insert 2 pins in the holes identified by a line (A).

_____/ CAUTION

While inserting the pins, ensure a continuous contact between the femoral sizer and the distal resection.

Remove the femoral sizer sliding it along the two pins. Select the 4in1 cutting block of the selected size and apply it on the distal resection choosing the holes row belonging to the posterior group and marked by a line (B).



If necessary, the cutting block can be moved 2 mm anteriorly, using the holes just below the reference line. Finally, fix the 4in 1 cutting block using two headed pins inserted in the lateral oblique fixation holes. Remove the central positioning pins.

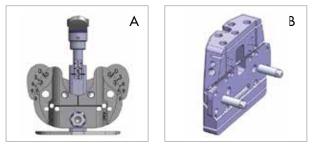
Option 2: pegs - As an alterative to positioning through the central pins, the 4in1 cutting block can be positioned through two pegs. Once the adjustment of the femoral sizer is satisfactory, drill the peg holes through the dedicated holes of the femoral sizer (A).



/ CAUTION

While drilling, ensure a continuous contact between the femoral sizer and the distal resection.

Finally, remove the femoral sizer, assemble the pegs on the 4in1 cutting block of the chosen size and apply it on the distal resection (B).



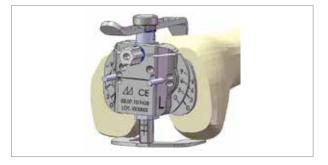
Ensure the complete contact between the 4in1 cutting block and the distal resection, using the femoral impactor.

/ CAUTION

Do not hammer the 4in1 cutting block directly, use the femoral impactor. The position of the 4in1 pegs DOES NOT CORRESPOND to the position of the pegs of the femoral component. The holes for the final femoral component are performed through the trial femoral component.

Anterior referencing: 4in1 cutting block positioning

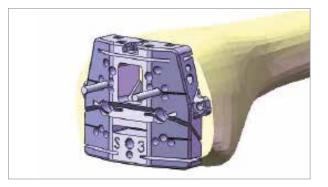
Once the position of the sizer is satisfactory, pre-drill and insert 2 pins in the holes identified by a line.





While inserting the pins, ensure a continuous contact between the femoral sizer and the distal resection.

Remove the femoral sizer sliding it along the two pins. Select the 4in1 cutting block of the selected size and apply it on the distal resection choosing the holes row belonging to the anterior group and marked by a line.



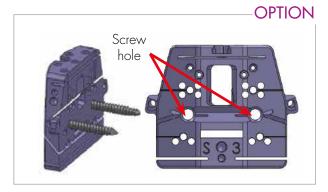
If necessary, the cutting block can be moved 2 mm up or down, using the holes just below or above the reference line.

Finally, fix the 4in1 cutting block using two headed pins inserted in the lateral oblique fixation holes. Remove the central positioning pins.



OPTION

Alternatively or together with the fixation by means of the lateral pins, the 4 in 1 cutting block may be fixed to the bone using two cancellous bone screws inserted through the dedicated holes by means of the dedicated screwdriver. This option is not available for femoral size 0.



When the 4in1 cutting block has been stabilized, perform the femoral resections as follows:

- Anterior femoral resection
- Posterior femoral resection
- Posterior chamfer
- Anterior chamfer

/ CAUTION

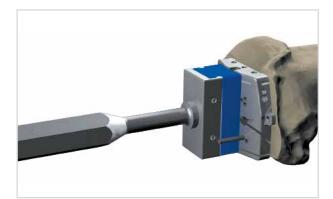
All femoral resections have to be performed by means of a 13 mm wide and up to 1.27 mm thick sawblade.

1

K

_/ CAUTION

It is strongly recommended not to impact or hammer on the 4in1 guide. If the surgeon consider it required, do not impact directly on the guide but rather use the femoral impactor as described in the picture below.



8.1 Femoral upsizing/downsizing

The difference between two successive femoral sizes is 4 mm in both anterior-posterior and mediolateral planes.

Posterior referencing: upsizing/downsizing

Option 1: central pins - If the 4in1 cutting block was positioned by means of the central parallel pins, replace it with the cutting guide of more suitable size using the same row of holes.



' CAUTION

In case of downsizing, the anterior resection level is moving 4 mm posteriorly. Make sure that there is no anterior notching and, if necessary, move the guide on to the lower pin holes.

Option 2: pegs - If the 4in1 cutting block was positioned by means of the pegs, replace it with the cutting guide of more suitable size using the same peg holes.



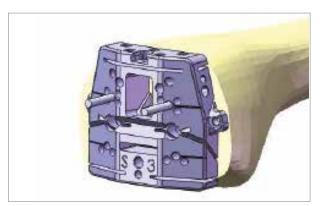
In case of downsizing, the anterior resection level is moving 4 mm posteriorly. Make sure that there is no anterior notching.

If it is necessary to move up the guide, position two central pins on the holes' row marked with a line, remove the cutting block sliding it along the pins, withdraw the two pegs and reposition the pin holes just below the reference line.

Anterior referencing: upsizing/downsizing

Replace the 4in1 cutting block with that of more suitable size using the same row of holes.

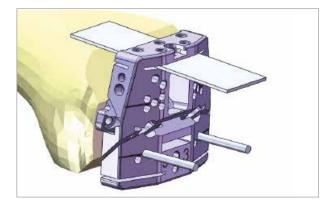
In case of downsizing, the posterior resection level is moving 4 mm anteriorly. If necessary, the guide can be moved on to the other rows of holes (2 mm modifications).



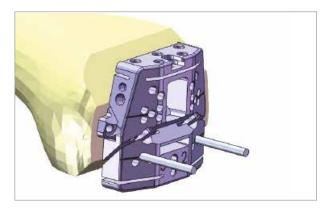


Posterior referencing: downsizing after the femoral resections

If it is necessary to downsize the femoral component after having performed the femoral resections, insert a saw blade into the slot of the anterior resection, apply the 4in 1 cutting block on the distal cut, ensure that the saw blade is perfectly in contact with the anterior resected surface, and insert two pins in the row of holes belonging to the posterior holes group and marked with a line.



Replace the cutting guide with that of the inferior size. Fix the cutting block following the procedure described in pages 18 (Posterior referencing: 4in1 cutting block positioning) and 19. Perform the femoral resections.

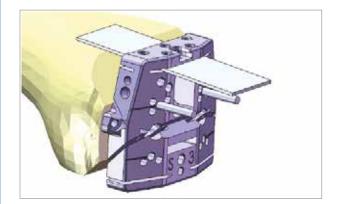


' CAUTION

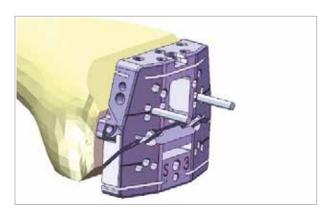
The anterior resection level is moving 4 mm posteriorly. Make sure that there is no anterior notching.

Anterior referencing: downsizing after the femoral resections

If it is necessary to downsize the femoral component after having performed the femoral resections, insert a saw blade in the slot of the anterior resection, apply the 4in1 cutting block on the distal cut, ensuring that the saw blade is perfectly in contact with the anterior resected surface, and insert two pins in the row of holes belonging to the anterior holes group and marked with a line.



Replace the cutting guide with that of the inferior size. Fix the cutting block following the procedure described on pages 18 (Anterior referencing: 4in1 cutting block positioning) and 19.



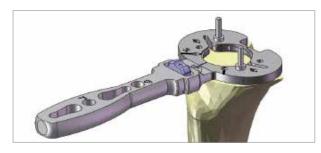
TIBIAL FINISHING

9.1 Tibial baseplate positioning

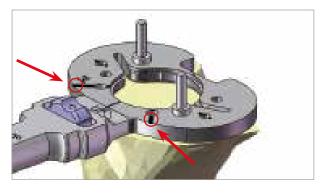
Mobile or fixed

9

Place the appropriate sized trial tibial baseplate assembled with the trial base handle, on the tibia resection. The tibial baseplate is asymmetrical. Rotate the baseplate until the best coverage of the tibial cortical bone is achieved and fix it by means of two pins. The pins must always be placed in opposite positions: one anteriorly and one posteriorly on the tibial surface.

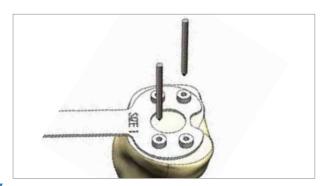


In order to assist in the identification of the correct positioning of the tibial baseplate two lines are marked on the anterior wall of the tibial implant, corresponding to the alignment lines on the trial tibial baseplate. Once the trial baseplate is fixed, identify the position of these two lines on the tibia by electric diathermy.



Full PE

In case the Full PE Tibial component will be implanted, assess the tibial size and position using the dedicated template. Once the position of the tibial component is adjusted, fix it using two pins.

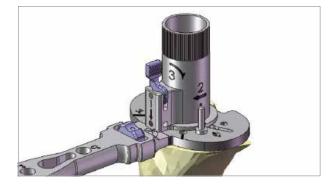


Remove the tibial template and position the trial tibial baseplate on the two pins left in place.

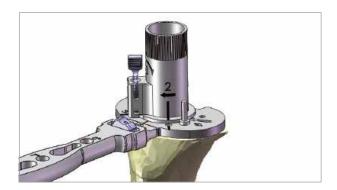
9.2 Tibial finishing

Assemble the reamer guide to the trial tibial baseplate following the marked numbers:

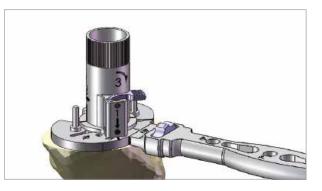
1. Position the reamer guide on the trial tibial baseplate aligning the arrow (1) to the central line of the baseplate.



2. Turn the reamer guide aligning the arrow (2) to one of the two positioning lines of the baseplate



3. Pull down the lever in order to lock the reamer guide.



Insert the dedicated reamer into the guide and prepare the keel hole parallel to the axis of the bone until the depth gauge stopper is reached.

To excise the bone drill clockwise, to compact the bone drill counterclockwise (no bone is excised).





Lift up the small lever and remove the reamer guide turning it to the unlocked position.

Assemble the trial keel with the handle and impact it through the dedicated hole of the trial baseplate, in order to finish the keel preparation. Remove the trial handle.



9.3 Tibial stem extension

For additional stability a stem extension can be added to the tibial keel.

The tibial stem extension must not be coupled with TiNbN Coated mobile or fixed tibial baseplates and Full PE tibial baseplate.

In order to avoid the risk of cortical infraction,

CAUTION

carefully plan preoperatively the positioning of the stem extension with the help of the X-ray template.

Remove the trial keel from the bone.

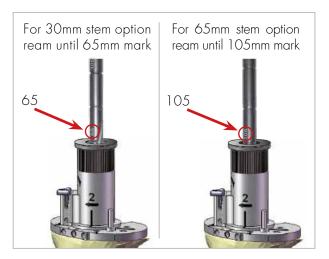
Assemble the reamer guide on the trial tibial baseplate and insert the 9mm reduction bush in it. Open the intramedullary canal with the help of the 9mm drill bit, if needed.



Assemble the T-handle with the 9 mm reamer.



Ream the canal until the correct depth is reached.



Remove the 9 mm reduction bush and insert the 11mm reduction bush. Repeat the reaming with the 11mm reamer, until the same depth previously reached. Insert the reduction bush (Ø 15mm) in the reamer guide assembled on the trial baseplate and finish the keel preparation using the 15.5mm reamer.



Remove the reamer guide, assemble the extension stem on the trial keel and impact it through the trial baseplate with the help of the handle.

O PATELLA

10.1 Resurfacing patella

Lock the patella resection guides into the patellar clamp. After carefully releasing the periphery of the patella, position the resection guides at the appropriate resection level, with the assistance of the patellar stylus assembled in the slot of the resection guide.

Check that at least 13 mm of bone remains after resection.

Firmly lock the clamp with the screwing thumbwheel and perform the patellar resection through the slots of the resection guides.



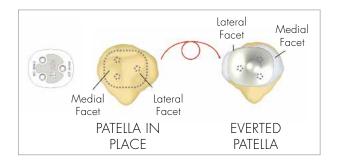
Select the correct size of the patella implants with the help of the patellar templates.



Open the patellar clamp, remove the two resection guides and position the spike jaw and drilling guide.



To correctly position the patellar component, its single peg has to be positioned on the lateral facet of the patella and the other two pegs on the medial one.



In order to avoid any malpositioning of the patellar component, read the markings carefully on the drilling guide. For a medial approach (lateral eversion of the patella), the drilling guide has to be assembled to the clamp, so that the side with the EXT marking is facing upwards. For a lateral approach (medial eversion of the patella), the drilling guide has to be flipped, so that the INT marking can be read.



Apply the drill guide on the resected surface of the patella and drill the three holes using the patellar pegs drill.

After having removed the drilling guide, assemble the patellar impactor on the patellar clamp and impact the appropriate sized trial patella.

Finally, reduce the patella and test the knee through its full range of motion.

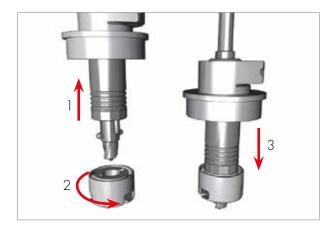


10.2 Inset patella

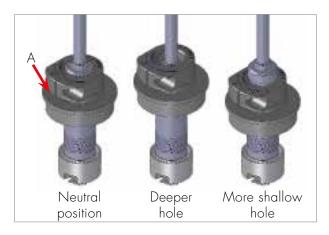
Choose the size of the patella using the different reamer guides or the dedicated template set, which is available on request.

Assemble the reamer guide of the chosen size and the spike jaw on the patellar clamp.

To assemble the reamer of the suitable size to the reamer holder, pull up the locking mechanism of the reamer holder, insert the reamer, turn it 90° and release the locking mechanism, making sure that the reamer is firmly fixed.



Before drilling, check that the depth gauge (A) is in neutral position. If necessary the reaming depth can be modified turning the depth gauge (1 turn = 1 mm).



Insert the reamer into the reamer guide and drill until the depth gauge touches the reamer guide.



The drill hole should be shallow enough to leave a minimum wall thickness of 13 mm.

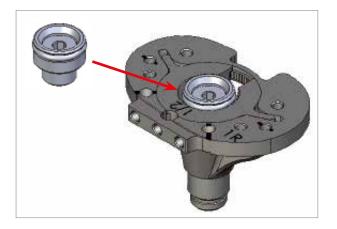
Impact the trial inset patella of the chosen size using of the dedicated impactor assembled to the patellar clamp. Smooth out the bone rim using bone forceps or the oscillating saw. Reduce the patella and test the knee through its full range of motion.



TRIALS

Assemble the trial insert on the trial tibial baseplate.

For a fixed implant, before positioning the insert, fix into the trial keel the puncher fixing screw with the help of the screwdriver, this allows the fixation of the insert to the baseplate.

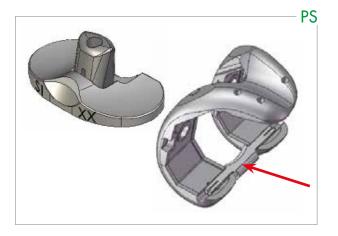


Assemble the femoral impactor/extractor on the slide hammer and impact the appropriate sized trial femoral component centring it on the anatomical notch. Ensure overhang medially or laterally is minimized. To ensure the correct positioning of the femoral component, reduce the patella and test the knee in its full range of motion.

For a posterior stabilized implant, the trial has to be performed after the femoral finishing (see §12 FEMORAL FINISHING).

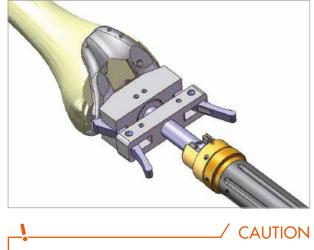
Assemble the PS trial peg on the fixed tibial insert and the trial PS cam on the trial femur.

In order avoid being hindered by the presence of the PS peg, assemble the trial PS Insert after the impaction of the femoral component.



Full PE

In case a Full PE baseplate will used, the trials have to be performed using the trial UC or PS insert, according to the Full PE implant type (UC or PS).



In order to avoid any damaging of the trial trochlea, don't impact the trial femoral component assembled with it.





2 femoral finishing

Once the medio-lateral position of the trial femoral component is defined, insert a pin into the anterior holes of the trial femoral component to ensure additional stability during the femoral finishing.



Prepare the holes for the femoral pegs with the dedicated drill.

Assemble the femoral box cutting guide on the trial femoral component and finish the trochlea using the box resection chisel.



For a posterior stabilized implant, prepare the intercondylar notch using the PS resection chisel through the dedicated hole of the femoral box cutting guide.



Finally, assemble the trial trochlea of suitable size to the trial femoral component, reduce the patella and test the knee through its full range of motion.



Femoral finishing size O

Once the medio-lateral position of the trial femoral component has been established, insert pins into the anterior holes of the trial femoral component to acquire additional stability during the femoral finishing.



Prepare the holes for the femoral pegs using the dedicated drill.

Remove the trial femoral component and mount the femoral box cutting guide onto the femur.

_∕ CAUTION

For femoral size 0 the femoral box cutting guide size 1 must be used. Firmly attach it using at least 2 pins.

Prepare the throclear finishing with the reamer provided.



__/ OPTION

The throclear finishing can also be performed using the osteotome provided.

V



/ PS

The dedicated PS reamer guide must be clipped onto the femoral box cutting guide and the PS finishing can be carried out using the PS reamer.



After the removal of the femoral box cutting guide, the resections should be checked using the box cut verifier.



3 SELECTION OF THE PROSTHETIC COMPONENTS - SIZE MATCHING

13.1 Mobile version

Mobile tibial inserts (STD and UC) have to be matched with femoral components of the same size. Mobile tibial trays size X can be matched with mobile tibial inserts (STD and UC) of the same size and from size X-1, X-2 and X+1. The matching capabilities are shown in tables 1 and 2.

Mobile tibial inserts (STD and UC)

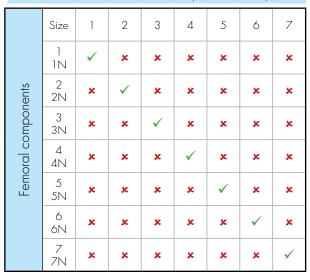


Table 1: Matching capabilities for mobile tibial inserts and STD and UC femoral components.



Mobile tibial inserts (STD and UC)								
	Size	1	2	3	4	5	6	7
ays	1	✓	\checkmark	×	×	×	×	×
Mobile tibial trays	2	✓	\checkmark	\checkmark	×	×	×	×
tibio	3	✓	~	\checkmark	\checkmark	×	×	×
bile	4	×	~	\checkmark	\checkmark	✓	×	×
×	5	×	×	\checkmark	\checkmark	\checkmark	\checkmark	×
	6	×	×	×	\checkmark	\checkmark	\checkmark	\checkmark

Table 2: Matching capabilities for mobile tibial inserts and mobile tibial trays.

13.2 Fixed version

Fixed tibial inserts STD and UC have to be matched with fixed tibial trays from the same size.

STD femoral components size X can be matched with fixed tibial inserts (STD and UC) from size X-1, size X and X+n.

Fixed tibial inserts PS have to be matched with fixed tibial trays from the same size.

PS femoral components size X can be matched with PS fixed tibial inserts from size X-1, size X and X+n. The matching capabilities are shown in tables 3 and 4.

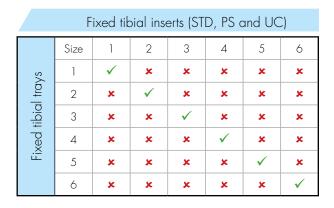


Table 3: Matching capabilities for fixed tibial insertsand fixed tibial trays.

Fixed tibial inserts (STD, PS and UC)							
	Size	1	2	3	4	5	6
	0	~	~	~	~	~	~
5	1 1N	~	~	\checkmark	~	~	~
ponent	2 2N	~	~	~	~	~	~
	3 3N	×	~	~	~	~	~
Femoral components	4 4N	×	×	~	~	~	~
Ľ	5 5N	×	×	×	~	~	~
	6 6N	×	×	×	×	\checkmark	\checkmark
	7 7N	×	×	×	×	×	~

Table 4: Matching capabilities for fixed tibial insertsand femoral components.

13.3 Full PE version

STD femoral components size X can be matched with Full PE UC tibial component from size X-1, size X and X+n.

PS femoral components size X can be matched with Full PE PS tibial component from size X-1, size X and X+n.

Full PE UC or PS tibial components							
	Size	1	2	3	4	5	6
	0	~	~	~	~	~	~
S	1 1N	~	~	~	~	~	~
ooneni	2 2N	~	~	~	~	~	~
comp	3 3N	×	~	~	~	~	~
Femoral components	4 4N	×	×	~	~	~	~
Ę	5 5N	×	×	×	~	~	~
	6 6N	×	×	×	×	~	\checkmark
	7 7N	×	×	×	×	×	\checkmark

Table 5: Matching capabilities for Full PE tibial components and femoral components.

4 FINAL IMPLANTS

14.1 Tibial baseplate

The baseplate should be positioned manually, ensuring that there is no conflict between the posterior edge of the baseplate and the femur, which may result in femoral injury or tibial malrotation.

The final impaction is performed using the baseplate impactor version suitable for the type of tibial baseplate used. If a stem extension is used, preassemble it by removing the plastic plug of the tibial keel, impacting the stem on the keel and, finally, fixing it with a screw inserted through the tibial keel.

_____/ CAUTION

To avoid damaging the stem, protect it during impaction. A screwdriver can be inserted in the hexagonal hole of the stem and the impaction can be performed hammering on the screwdriver.

/ CAUTION

The tibial stem extension must not be coupled with TiNbN Coated mobile or fixed tibial baseplates and Full PE tibial baseplate.

Cemented tibial baseplate

The cemented tibial baseplate is intended to be implanted without cement surrounding the keel. The bone cement must be prepared according to the related instructions for use, provided by the cement manufacturer. Once the cement has the right viscosity, it must be applied only to the undersurface of the tibial baseplate into the corresponding cement pockets and not around the keel. It is recommended not to apply the cement directly to the bone surface, to avoid the risk of having cement around the keel by positioning the implant. Once the tibial baseplate has been fully inserted with the dedicated impactor, the extruded cement is cleared from the tibia, carefully checking that no cement part remains in the joint.

14.2 PE insert

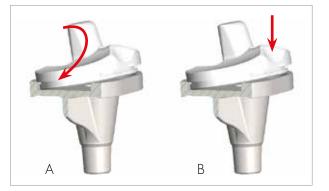
__/ CAUTION

The Full PE tibial component is monoblock, therefore no PE insert have to be clipped on it.

Fixed insert

Place the insert on the tibial baseplate according to the following steps:

- Make sure that the metallic upper surface of the tibial baseplate is perfectly clean and that no small debris can get interposed between tray and insert during assembly.
- 2. Engage the posterior lips of the insert in the posterior part of the tibial baseplate.(A)
- 3. Clip the anterior part of the insert, by exerting pressure on it manually.(B)



<u>-</u>k

/ OPTION

To perform a final control of the height of the insert, before implanting the definitive PE insert, the trial insert can be positioned on the final baseplate.

/ PS

The PS insert has to be positioned after the femoral component, in order not to be hindered by the presence of the posterior stabilization peg. Using the screwdriver, fix the PS insert to the tibial tray with the screw packaged with the insert.

/ CAUTION

The torque limiter screwdriver 3,5 Nm must be used to guarantee that the optimal locking of the screw is achieved.

Mobile Insert

With the tibia anteriorly dislocated, insert the polyethylene insert (STD or UC) into the tibial baseplate of the size and height validated during the trials.



14.3 Femoral component

Assemble the femoral impactor on the slide hammer. Open the two jaws of the femoral impactor and engage the extremity of the two jaws in the two lateral slots of the femoral component. Lock the femoral component on the impactor by turning the handle firmly.

Position the femoral component, with the help of previously drilled holes for the pegs for correct alignment and finish with hammer impaction.

At the end of impaction, if the surgeon wishes to change the angle of impaction, he may remove the femur impactor, screwing the handle to the maximum to release the runner and therefore remove the presence of the two jaws.

Cemented femoral component

The bone cement must be prepared according to the related instructions for use, provided by the cement manufacturer. Once the cement has the right viscosity, it must be applied to the internal surface of the femoral component into the corresponding cement pockets. The resected bone surface should be thoroughly cleaned by pulse lavage and the intramedullary canal closed by cancellous bone. Once the femoral component has been fully inserted with the dedicated impactor, the extruded cement is cleared from the femur, ensuring that no cement remains on the articular surface, on the intercondylar notch and in the joint, in order to avoid excessive UHMWPE wear.

14.4 Patella

Assemble the spike jaw and the pressurizing jaw on the patellar clamp. The pressurizing jaw has two different sides of use, which observe the same colour significance as that of the two types of patella: blue side for resurfacing patella and yellow side for inset patella. The bone cement must be prepared according to the related instructions for use, provided by the cement manufacturer. Once the cement has the right viscosity, it should be applied to the internal surface of the patellar implant. Lock the patella, by firmly screwing the thumbwheel switch of the patellar clamp. Hold the implant in the final position and clear the extruded cement from the patella, ensuring that no cement part remains on the articular surface.

5 IMPLANTS NOMENCLATURE

FEMUR STD CEMENTED

Ref. left	Size	Ref. right
02.07.2000L	0	02.07.2000R
02.07.2001L]	02.07.2001R
02.07.2002L	2	02.07.2002R
02.07.2003L	3	02.07.2003R
02.07.2004L	4	02.07.2004R
02.07.2005L	5	02.07.2005R
02.07.2006L	6	02.07.2006R
02.07.2007L	7	02.07.2007R

FEMUR STD CEMENTLESS

Ref. left	Size	Ref. right
02.07.2300L	0	02.07.2300R
02.07.2301L]	02.07.2301R
02.07.2302L	2	02.07.2302R
02.07.2303L	3	02.07.2303R
02.07.2304L	4	02.07.2304R
02.07.2305L	5	02.07.2305R
02.07.2306L	6	02.07.2306R
02.07.2307L	7	02.07.2307R

FEMUR STD CEMENTED - TINUN COATED

Ref. left	Size	Ref. right
02.07.2700L	0	02.07.2700R
02.07.2701L	1	02.07.2701R
02.07.2702L	2	02.07.2702R
02.07.2703L	3	02.07.2703R
02.07.2704L	4	02.07.2704R
02.07.2705L	5	02.07.2705R
02.07.2706L	6	02.07.2706R
02.07.2707L	7	02.07.2707R

FEMUR PS CEMENTED

Ref. left	Size	Ref. right
02.07.2200L	0	02.07.2200R
02.07.2201L	1	02.07.2201R
02.07.2202L	2	02.07.2202R
02.07.2203L	3	02.07.2203R
02.07.2204L	4	02.07.2204R
02.07.2205L	5	02.07.2205R
02.07.2206L	6	02.07.2206R
02.07.2207L	7	02.07.2207R

FEMUR PS CEMENTLESS

Ref. left	Size	Ref. right
02.07.2100L	0	02.07.2100R
02.07.2101L	1	02.07.2101R
02.07.2102L	2	02.07.2102R
02.07.2103L	3	02.07.2103R
02.07.2104L	4	02.07.2104R
02.07.2105L	5	02.07.2105R
02.07.2106L	6	02.07.2106R
02.07.2107L	7	02.07.2107R

FEMUR PS CEMENTED - TINDN COATED

Ref. left	Size	Ref. right
02.07.2900L	0	02.07.2900R
02.07.2901L	1	02.07.2901R
02.07.2902L	2	02.07.2902R
02.07.2903L	3	02.07.2903R
02.07.2904L	4	02.07.2904R
02.07.2905L	5	02.07.2905R
02.07.2906L	6	02.07.2906R
02.07.2907L	7	02.07.2907R



TEMOR STE CENTER TEE - TNARKOVV		
Ref. left	Size	Ref. right
02.07.2011L	1N	02.07.2011R
02.07.2012L	2N	02.07.2012R
02.07.2013L	3N	02.07.2013R
02.07.2014L	4N	02.07.2014R
02.07.2015L	5N	02.07.2015R
02.07.2016L	6N	02.07.2016R
02.07.2017L	7N	02.07.2017R

FEMUR STD CEMENTED - NARROW

FEMUR STD CEMENTLESS - NARROW

Ref. left	Size	Ref. right
02.07.2311L	1N	02.07.2311R
02.07.2312L	2N	02.07.2312R
02.07.2313L	3N	02.07.2313R
02.07.2314L	4N	02.07.2314R
02.07.2315L	5N	02.07.2315R
02.07.2316L	6N	02.07.2316R
02.07.2317L	7N	02.07.2317R
		à.

FEMUR STD CEMENTED - TINUN COATED NARROW

Ref. left	Size	Ref. right
02.07.3401L	1N	02.07.3401R
02.07.3402L	2N	02.07.3402R
02.07.3403L	3N	02.07.3403R
02.07.3404L	4N	02.07.3404R
02.07.3405L	5N	02.07.3405R
02.07.3406L	6N	02.07.3406R
02.07.3407L	7N	02.07.3407R

FEMUR PS CEMENTED - NARROW

Ref. left	Size	Ref. right
02.07.2211L	1N	02.07.2211R
02.07.2212L	2N	02.07.2212R
02.07.2213L	3N	02.07.2213R
02.07.2214L	4N	02.07.2214R
02.07.2215L	5N	02.07.2215R
02.07.2216L	6N	02.07.2216R
02.07.2217L	7N	02.07.2217R

FEMUR PS CEMENTLESS - NARROW

Ref. left	Size	Ref. right
02.07.2111L	1N	02.07.2111R
02.07.2112L	2N	02.07.2112R
02.07.2113L	3N	02.07.2113R
02.07.2114L	4N	02.07.2114R
02.07.2115L	5N	02.07.2115R
02.07.2116L	6N	02.07.2116R
02.07.2117L	7N	02.07.2117R

FEMUR PS CEMENTED - TINUN COATED NARROW

Ref. left	Size	Ref. right
02.07.3301L	1N	02.07.3301R
02.07.3302L	2N	02.07.3302R
02.07.3303L	3N	02.07.3303R
02.07.3304L	4N	02.07.3304R
02.07.3305L	5N	02.07.3305R
02.07.3306L	6N	02.07.3306R
02.07.3307L	7N	02.07.3307R

Ref. left	Size	Ref. right
02.07.1001L]	02.07.1001R
02.07.1002L	2	02.07.1002R
02.07.1003L	3	02.07.1003R
02.07.1004L	4	02.07.1004R
02.07.1005L	5	02.07.1005R
02.07.1006L	6	02.07.1006R

TIBIAL COMPONENT MOBILE CEMENTLESS

Ref. left	Size	Ref. right
02.07.1101L	1	02.07.1101R
02.07.1102L	2	02.07.1102R
02.07.1103L	3	02.07.1103R
02.07.1104L	4	02.07.1104R
02.07.1105L	5	02.07.1105R
02.07.1106L	6	02.07.1106R

TIBIAL COMPONENT MOBILE CEMENTED - TINHN COATED*

Ref. left	Size	Ref. right
02.07.2811L	1	02.07.2811R
02.07.2812L	2	02.07.2812R
02.07.2813L	3	02.07.2813R
02.07.2814L	4	02.07.2814R
02.07.2815L	5	02.07.2815R
02.07.2816L	6	02.07.2816R

* TiNbN coated mobile tibial component must not be coupled with any stem extension.

TIBIAL COMPONENT FIXED CEMENTED

Ref. left	Size	Ref. right
02.07.1201L	1	02.07.1201R
02.07.1202L	2	02.07.1202R
02.07.1203L	3	02.07.1203R
02.07.1204L	4	02.07.1204R
02.07.1205L	5	02.07.1205R
02.07.1206L	6	02.07.1206R

TIBIAL COMPONENT FIXED CEMENTLESS

Ref. left	Size	Ref. right
02.07.1301L	1	02.07.1301R
02.07.1302L	2	02.07.1302R
02.07.1303L	3	02.07.1303R
02.07.1304L	4	02.07.1304R
02.07.1305L	5	02.07.1305R
02.07.1306L	6	02.07.1306R

TIBIAL COMPONENT FIXED CEMENTED - TINUN COATED*

Ref. left	Size	Ref. right
02.07.2801L	1	02.07.2801R
02.07.2802L	2	02.07.2802R
02.07.2803L	3	02.07.2803R
02.07.2804L	4	02.07.2804R
02.07.2805L	5	02.07.2805R
02.07.2806L	6	02.07.2806R

* TiNbN coated fixed tibial component must not be coupled with any stem extension.



FULL PE UC TIBIAL COMPONENT*

Ref.	Size	Thickness (mm)
02.07.0110APUC		10
02.07.0112APUC	1	12
02.07.0114APUC		14
02.07.0117APUC		17
02.07.0210APUC	2	10
02.07.0212APUC		12
02.07.0214APUC		14
02.07.0217APUC		17
02.07.0310APUC	3	10
02.07.0312APUC		12
02.07.0314APUC		14
02.07.0317APUC		17

Ref.	Size	Thickness (mm)
02.07.0410APUC		10
02.07.0412APUC	Δ	12
02.07.0414APUC	4	14
02.07.0417APUC		17
02.07.0510APUC	5	10
02.07.0512APUC		12
02.07.0514APUC		14
02.07.0517APUC		17
02.07.0610APUC	6	10
02.07.0612APUC		12
02.07.0614APUC		14
02.07.0617APUC		17

FULL PE PS TIBIAL COMPONENT*

Ref.	Size	Thickness (mm)
02.07.0110APPS		10
02.07.0112APPS	1	12
02.07.0114APPS		14
02.07.0117APPS		17
02.07.0210APPS	2	10
02.07.0212APPS		12
02.07.0214APPS		14
02.07.0217APPS		17
02.07.0310APPS	3	10
02.07.0312APPS		12
02.07.0314APPS		14
02.07.0317APPS		17

Ref.	Size	Thickness (mm)
02.07.0410APPS		10
02.07.0412APPS	4	12
02.07.0414APPS	4	14
02.07.0417APPS		17
02.07.0510APPS	5	10
02.07.0512APPS		12
02.07.0514APPS		14
02.07.0517APPS		17
02.07.0610APPS	6	10
02.07.0612APPS		12
02.07.0614APPS		14
02.07.0617APPS		17

* Full PE PS or UC tibial component must not be coupled with any stem extension.

TIBIAL INSERT STD FIXED

Ref.	Size	Thickness (mm)
02.07.0110SF		10
02.07.0112SF		12
02.07.0114SF	1	14
02.07.0117SF		17
02.07.0120SF		20
02.07.0210SF		10
02.07.0212SF		12
02.07.0214SF	2	14
02.07.0217SF		17
02.07.0220SF		20
02.07.0310SF		10
02.07.0312SF	3	12
02.07.0314SF		14
02.07.0317SF]	17
02.07.0320SF		20

Ref.	Size	Thickness (mm)
02.07.0410SF		10
02.07.0412SF		12
02.07.0414SF	4	14
02.07.0417SF		17
02.07.0420SF		20
02.07.0510SF		10
02.07.0512SF	5	12
02.07.0514SF		14
02.07.0517SF		17
02.07.0520SF		20
02.07.0610SF		10
02.07.0612SF	6	12
02.07.0614SF		14
02.07.0617SF		17
02.07.0620SF		20

TIBIAL INSERT UC FIXED

Ref.	Size	Thickness (mm)
02.07.0110FUC		10
02.07.0112FUC		12
02.07.0114FUC	1	14
02.07.0117FUC		17
02.07.0120FUC		20
02.07.0210FUC		10
02.07.0212FUC		12
02.07.0214FUC	2	14
02.07.0217FUC		17
02.07.0220FUC		20
02.07.0310FUC		10
02.07.0312FUC		12
02.07.0314FUC	3	14
02.07.0317FUC		17
02.07.0320FUC		20

Ref.	Size	Thickness (mm)
02.07.0410FUC		10
02.07.0412FUC		12
02.07.0414FUC	4	14
02.07.0417FUC		17
02.07.0420FUC		20
02.07.0510FUC		10
02.07.0512FUC		12
02.07.0514FUC	5	14
02.07.0517FUC		17
02.07.0520FUC		20
02.07.0610FUC		10
02.07.0612FUC	6	12
02.07.0614FUC		14
02.07.0617FUC		17
02.07.0620FUC		20



TIBIAL INSERT STO) MOBILE
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Ref.	Size	Thickness (mm)
02.07.0110SM		10
02.07.0112SM		12
02.07.0114SM	1	14
02.07.0117SM		17
02.07.0120SM		20
02.07.0210SM		10
02.07.0212SM		12
02.07.0214SM	2	14
02.07.0217SM		17
02.07.0220SM		20
02.07.0310SM		10
02.07.0312SM		12
02.07.0314SM	3	14
02.07.0317SM		17
02.07.0320SM		20
02.07.0410SM		10
02.07.0412SM		12
02.07.0414SM	4	14
02.07.0417SM		17
02.07.0420SM		20

Ref.	Size	Thickness (mm)
02.07.0510SM		10
02.07.0512SM		12
02.07.0514SM	5	14
02.07.0517SM		17
02.07.0520SM		20
02.07.0610SM	6	10
02.07.0612SM		12
02.07.0614SM		14
02.07.0617SM		17
02.07.0620SM		20
02.07.0710SM	7	10
02.07.0712SM		12
02.07.0714SM		14
02.07.0717SM		17
02.07.0720SM		20

TIBIAL INSERT UC MOBILE

Ref.	Size	Thickness (mm)
02.07.0110MUC		10
02.07.0112MUC		12
02.07.0114MUC	1	14
02.07.0117MUC		17
02.07.0120MUC		20
02.07.0210MUC		10
02.07.0212MUC		12
02.07.0214MUC	2	14
02.07.0217MUC		17
02.07.0220MUC		20
02.07.0310MUC		10
02.07.0312MUC		12
02.07.0314MUC	3	14
02.07.0317MUC		17
02.07.0320MUC		20
02.07.0410MUC		10
02.07.0412MUC		12
02.07.0414MUC	4	14
02.07.0417MUC		17
02.07.0420MUC		20

Ref.	Size	Thickness (mm)
02.07.0510MUC		10
02.07.0512MUC		12
02.07.0514MUC	5	14
02.07.0517MUC		17
02.07.0520MUC		20
02.07.0610MUC		10
02.07.0612MUC		12
02.07.0614MUC	6	14
02.07.0617MUC		17
02.07.0620MUC		20
02.07.0710MUC		10
02.07.0712MUC	7	12
02.07.0714MUC		14
02.07.0717MUC		17
02.07.0720MUC		20

TIBIAL INSERT PS FIXED

Ref.	Size	Thickness (mm)
02.07.0110PSF]	10
02.07.0112PSF		12
02.07.0114PSF		14
02.07.0117PSF		17
02.07.0120PSF		20
02.07.0210PSF	2	10
02.07.0212PSF		12
02.07.0214PSF		14
02.07.0217PSF		17
02.07.0220PSF		20
02.07.0310PSF		10
02.07.0312PSF	3	12
02.07.0314PSF		14
02.07.0317PSF		17
02.07.0320PSF		20

Ref.	Size	Thickness (mm)
02.07.0410PSF	4	10
02.07.0412PSF		12
02.07.0414PSF		14
02.07.0417PSF		17
02.07.0420PSF		20
02.07.0510PSF	5	10
02.07.0512PSF		12
02.07.0514PSF		14
02.07.0517PSF		17
02.07.0520PSF		20
02.07.0610PSF	6	10
02.07.0612PSF		12
02.07.0614PSF		14
02.07.0617PSF		17
02.07.0620PSF		20

RESURFACING PATELLA

Size	Ref.
1	02.07.0033RP
2	02.07.0034RP
3	02.07.0035RP
4	02.07.0036RP

INSET PATELLA

Size	Ref.
]	02.07.0040IP
2	02.07.0041IP
3	02.07.0042IP
4	02.07.0043IP

STEM EXTENSION*

Ref.	Ø (mm)	L (mm)
02.07.F11030	11	30
02.07.F11066	11	65

* Stem extension must not be coupled with TiNbN coated mobile or fixed tibial baseplates.



Part numbers subject to change.

NOTE FOR STERILISATION

The instrumentation is not sterile upon delivery. It must be cleaned before use and sterilised in an autoclave respecting the regulations of the country, EU directives where applicable and following the instruction for use of the autoclave manufacturer.

For detailed instructions please refer to the document "Recommendations for cleaning decontamination and sterilisation of Medacta International reusable orthopedic devices" available at www.medacta.com.



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ref: 99.26.12IC rev. 13

Last update: January 2017 CE 0476