MADISON EVO

TOTAL KNEE PROSTHESIS

SURGICAL TECHNIQUE

serf
KNEE

INDICATIONS

The Madison total knee prosthesis is intended to replace the knee joint and the indications are:

- Osteoarthritis (primary and secondary);
- Revision of a unicompartimental knee prosthesis.

Madison instrumentation is designed to adapt to a traditional surgical approach.

The surgeon is guided by bony landmarks to ensure optimal implant positioning.
Different bone anchoring techniques (cemented or cementless) can be used for femoral and tibial components.

CONTENTS

IMPLANTS

Femoral components

- 7 **MADISON EVO** sizes and 1 **MADISON** size
- Cobalt chrome
- Posterior stabilised (PS) or cruciate retaining (CR)
- HA-coated cementless or cemented
- Anatomical trochlea

Tibial inserts

- 8 sizes (1 to 8)
- UHMWPE high density polyethylene
- 4° built-in posterior slope
- Thicknesses of 10 to 20 mm (2 mm inc.) for posterior stabilised (PS) and Ultracongruent (UC)**

Tibial baseplates

- 8 sizes (1 to 8)
- Cobalt chrome
- Symmetrical
- Mobile or fixed bearing
- HA-coated cementless or cemented

Patella components

- 4 diameters: 30, 33, 36 and 39 mm
- 2 thicknesses: 8 and 10 mm
- UHMWPE high density polyethylene
- Resurfacing and cemented with 3 pegs

Optional Tibial extension rods

- Titanium alloy
- Diameter 11, L 35 & 55 mm
- Diameter 11, L 95 mm*
- Diameters 9 & 13, L 35, 55 & 95 mm*

* Please check product availability with your local representative.
** Some thicknesses are optional. For more details please contact your local representative.

DESIGN

Madison implants are designed to preserve the bone stock.

- 8 mm thickness for the femoral component (distal and posterior cuts)
- Trochlea with smooth anterior internal surface
- Minimal resection for the PS cage
- V-shaped fluted keel to maximise the contact area, without macrostructure and easy to remove in the event of revision surgery

Madison implants are designed to ensure long-term results.

- Large contact areas
- Single ML radius
- Severe mechanical testing

Madison instrumentation is designed to be precise.

- AP and ML size and external femoral rotation on the same instrument
- Real external femoral rotation
- Whiteside's line angle finder
- Unique design for the validated tibial extramedullary option with navigation
- Micrometric adjustment on the tibial cutting guide available for extramedullary or intramedullary alignment options

MADISON instrumentation is designed for a standard procedure.

- Optimised dimensions for each instrument:
  - Medialised distal femoral cutting guide
  - Medialised proximal tibial cutting guide with patellar tendon protection

MECHANICAL TESTING

Wear testing according to ISO 14243-1 and 14243-2

4 prostheses (femoral component, UHMWPE insert and tibial baseplate) were installed on simulators reproducing gait cycles.

Tests were carried out at a frequency of 1 Hz over 5 million cycles.

- Results: all 4 prostheses passed the test without delamination or UHMWPE insert damage or fracture.

Dynamic tests conducted on tibial baseplates according to standards ISO 14879-1 and ISO 21536

5 tibial baseplates were tested in flexion at 10 Hz over 10 million cycles, under a 900N compression load.

- Results: all 5 tibial baseplates passed the test with no distortion, breakage or damage.

Shear tests conducted on six femoral components

These tests were conducted on **MADISON** femoral components as there is no reinforcement under the trochlea, thus avoiding an additional cutting stage during surgery and preserving the bone stock.

During the tests, one condyle of each femoral component was fixed and the load was applied to the opposite condyle.

- Results: 5 femoral components broke under a static load of over 1 tonne, with an elastic limit of over 250 kg.

One femoral component passed the fatigue test over 10 million cycles under a load of 900 N in identical installation conditions.

Bibliography:

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[10] Star M.J., Kaufman K.R., Irbyse Colwell C.W. - The effect of patellar thickness on patella femoral forces after resurfacing. - Clin. Orthop. 1996 ; 322, 279-2851.
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[12] Li S., Scuderi G., Furman B.D., Bhattacharyya S., Schmieg J.J., Insall J.N. - Assessment of backside wear from the analysis of 55 retrieved tibial inserts. - Cli. Orthop. 2002 ; 404, 75-82.
[13] Bartel D.L., Bicknell V.L., Ithaca , Wright T.M. - The effect of conformity, thickness and material on stresses in ultra-high molecular weight components for total joint replacement. - J. Bone and joint surg. 1986.

SURGICAL TECHNIQUE

The following surgical technique describes the steps of a **MADISON** traditional primary total knee prosthesis procedure.

The instrumentation is designed solely for inserting the **MADISON** total knee prosthesis.

The Manufacturer shall not be liable should a **MADISON** total knee prosthesis procedure be performed without the specific instruments.

Preoperative planning may be carried out using radiographic templates, enabling the surgeon to evaluate the size of the femoral and tibial components and the length of the tibial extension rod (if this option is considered).

Radiographic templates are available with a 1:1 or 1:1.15 scale.

Incision is performed according to the surgeon's preferred practice.

The operation may start independently with the tibia or the femur. The choice of the tibial intramedullary or extramedullary option also depends on the surgeon's preferred practice.

STEPS

Important:

a 1.27 mm-thick saw blade is recommended to ensure the quality of bone cuts.

1. Make a proximal tibial cut of at least 10 mm using the extramedullary or intramedullary alignment device and a right or left cutting guide with a 0 or 4º posterior slope.

2. Make a distal femoral cut of 8 mm (10 or 12 mm if necessary) using the distal cutting guide in left or right position, fixed on the alignment guide previously set to 3 to 9 degrees according to the HKS angle.

3. Measure the external rotation angle with the Whiteside's line angle finder.

4. Choose the AP and ML femoral size and set the external rotation based on the measurement performed in step 3.

5. Drill positioning holes for the 4-in-1 femoral cutting guide.

6. Make femoral cuts using the 4-in-1 guide selected in step 4: anterior cortex, posterior condyles, anterior and posterior chamfers.

7. Cut the PS cage (not for UC procedure) and drill holes for the femoral pegs.

8. Check the size of the tibial baseplate using the range of test plates (see component compatibility tables if required).

9. Use a CR trial femur for UC procedures, or a PS trial femur for the PS procedure. Drill holes for the femoral pegs if using a CR femur.

10. Conduct trial prosthesis tests after snapping a trial insert onto the corresponding trial plate.

11. Check leg alignment and ligament balance in extension and flexion.

12. Prepare the tibial keel (cemented or cementless).

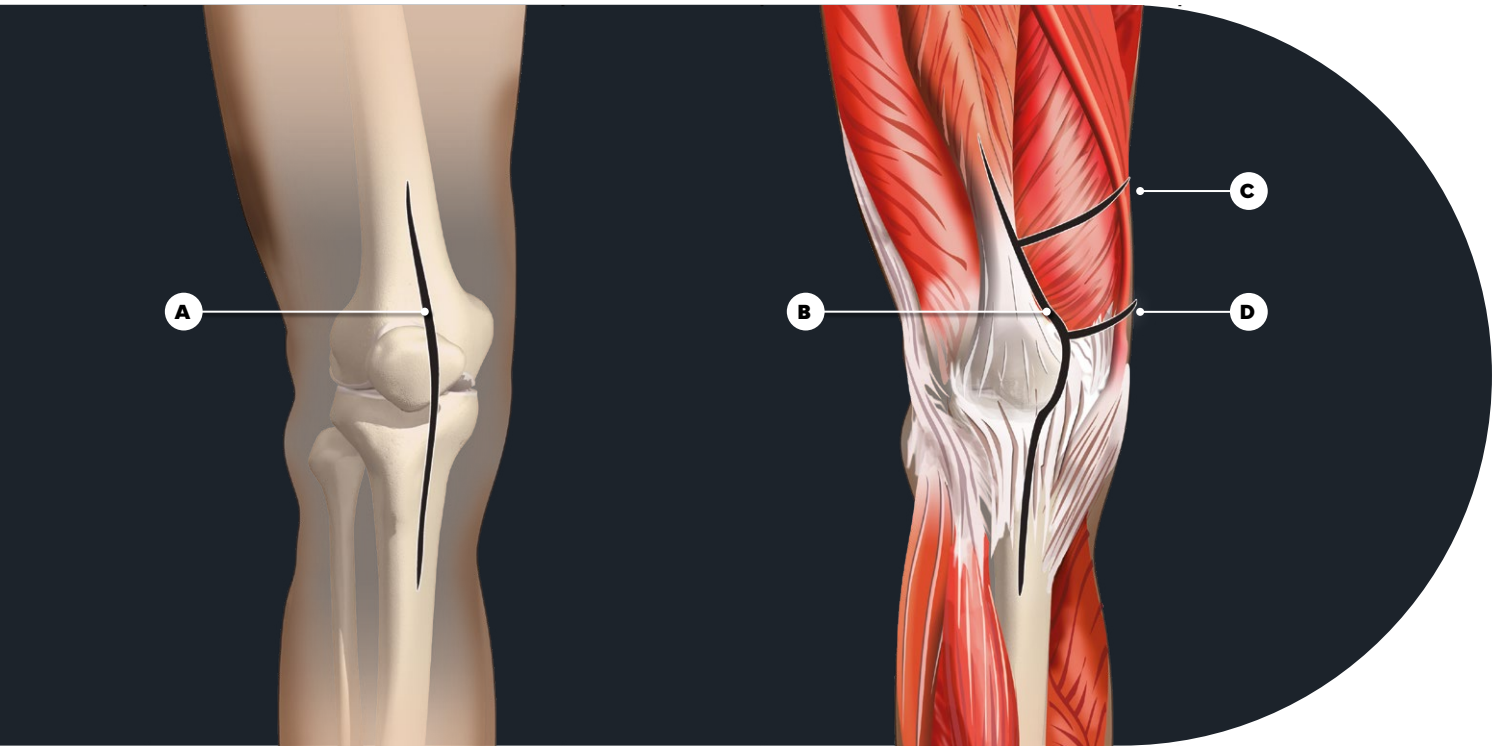
13. Prepare the patella with an 8 or 10 mm cut.

14. Choose the size and thickness of the patella (8 or 10 mm), drill holes for the three anchor pegs and test the selected patella.

15. Insert the implants (recommended order): tibial baseplate – femoral component - tibial insert - patella.

INCISION AND EXPOSURE

A An internal, vertical cut is made into the skin.



The surgeon has a choice of three types of surgical approach to insert the **MADISON** knee prosthesis:

B Traditional internal parapatellar

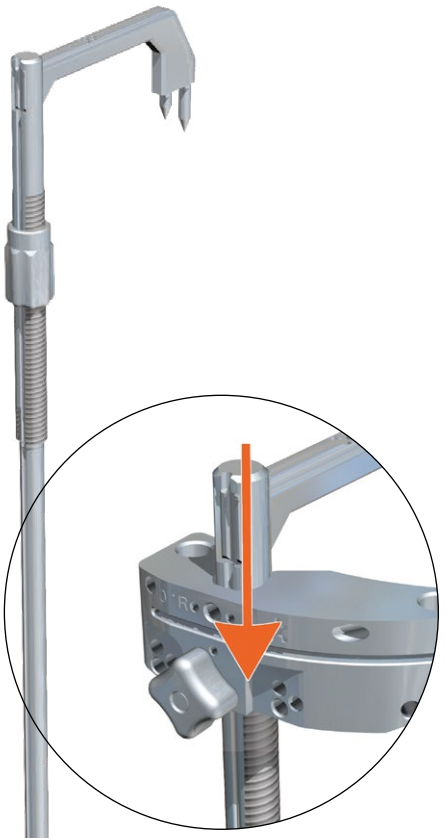
C Midvastus

D Subvastus

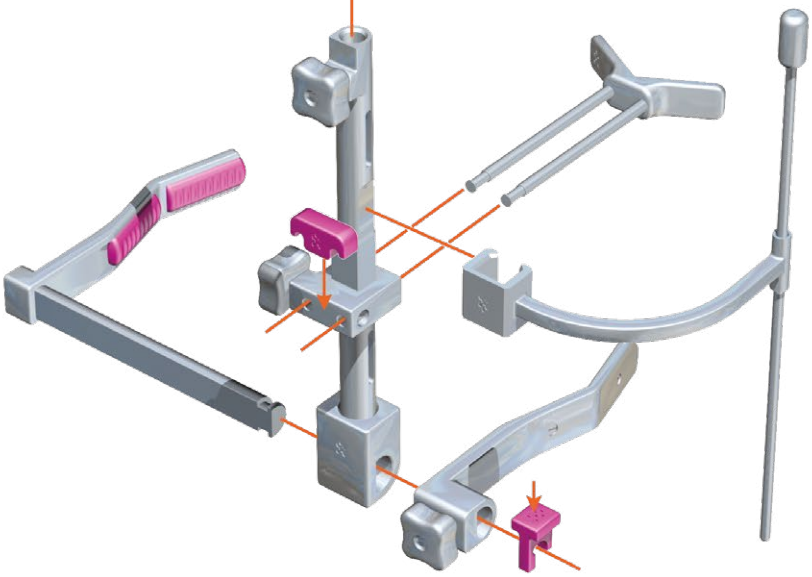
TIBIAL PREPARATION

EXTRAMEDULLARY OPTION

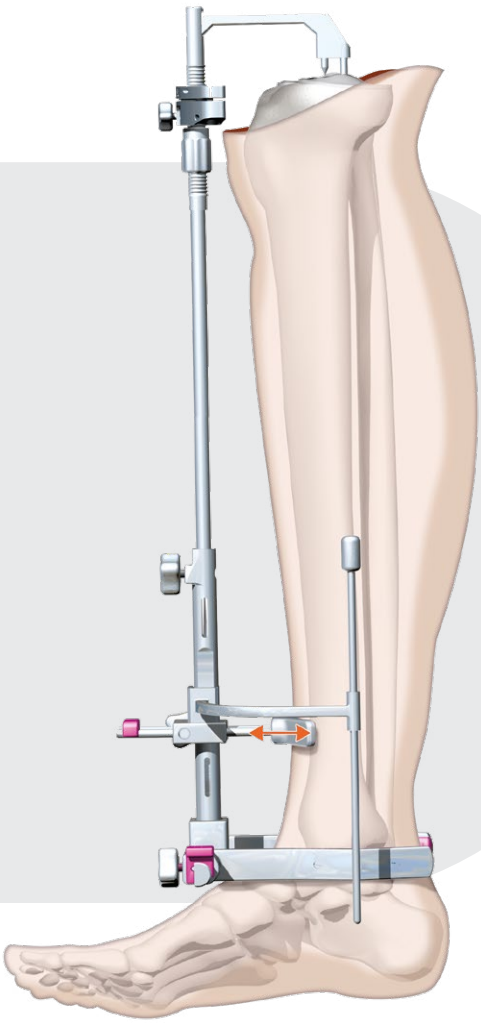
The extramedullary alignment guide is assembled as shown. **Do not forget to install the height adjustment knob on the pole before inserting it into the alignment support.**



Finally, the tibial cutting guide is inserted over the top of the pole.



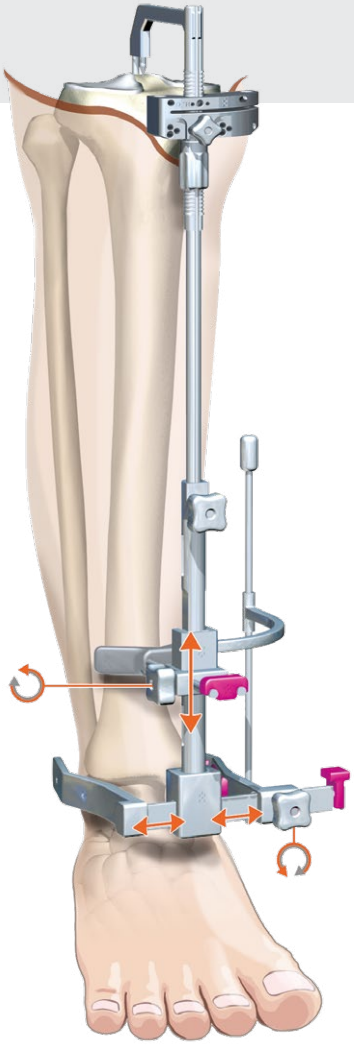
Option:
An alignment extension is available as an option for long tibias.



1 The extramedullary alignment guide is a rigid framework that must be set up according to the following instructions:

- Position the clamps on the two malleoli.
- Position the pole by inserting the long spike into the anterior cruciate ligament insertion (or behind).
- Position the V against the tibial crest.

The positioning of the guide eliminates tibial slope and rotation.

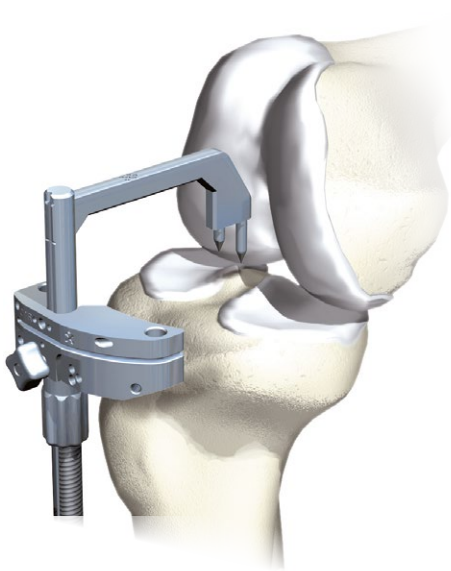


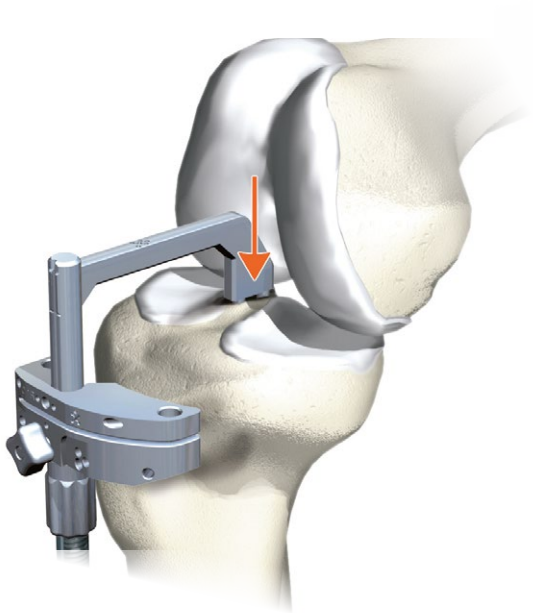
2 The surgeon chooses a cutting block with a 0° or 4° posterior tibial slope according to their desired final slope.

Reminder:
The **MADISON** tibial insert has a 4º built-in slope.
The selected tibial cutting block is inserted into the proximal part of the extramedullary guide.

3 The posterior slope is adjusted in relation to the parallelism between the tibia profile axis and the distal alignment rod mounted on the removable arch.

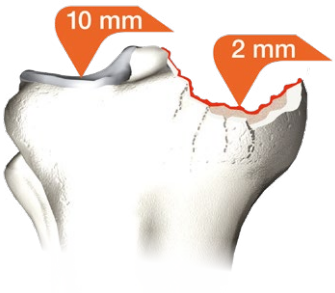
Once the position is defined, the pole is permanently fixed in place by impacting the two spikes into the tibial plateau.

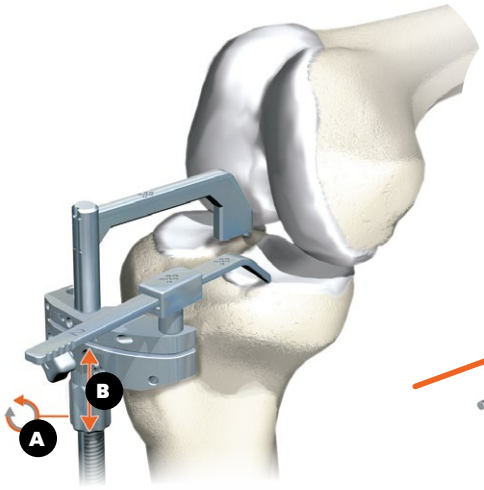


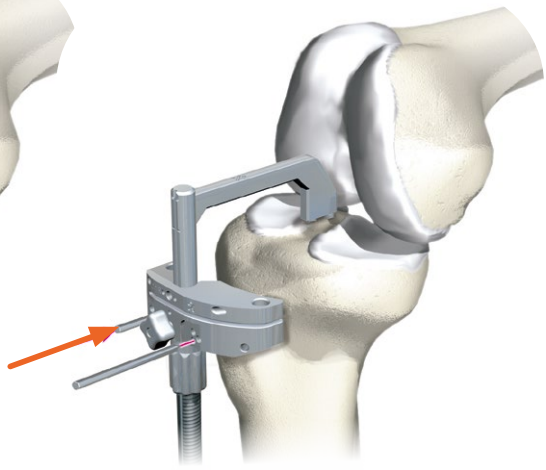


4 The cutting height is determined using one of the two styluses on the support and placed on the cutting guide:

- 2 mm stylus on the worn side
- 10 mm stylus on the healthy side



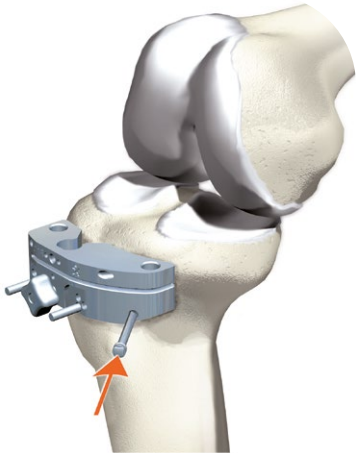




Adjust the stylus height using the height adjustment knob .
Lock the cutting block in position once the resection level is chosen.
Fix it into position by inserting two pins into the holes marked with "0".
It can be repositioned on the cutting guide by +2 or +4 mm.

5 After releasing all the knobs on the system and loosening the height adjustment knob, the pole can be extracted using the extractor then manually removed in order to avoid moving the cutting guide.

6 The cutting block is then brought into contact with the anterior surface of the tibia and fixed with a third headed pin.



TIBIAL PREPARATION

INTRAMEDULLARY OPTION

1 The proximal tibia is drilled using the 8 mm bit in the tibial spine in line with the canal.
The 8 mm centromedullary rod attached to the T-handle is inserted.

The T-handle is then removed.

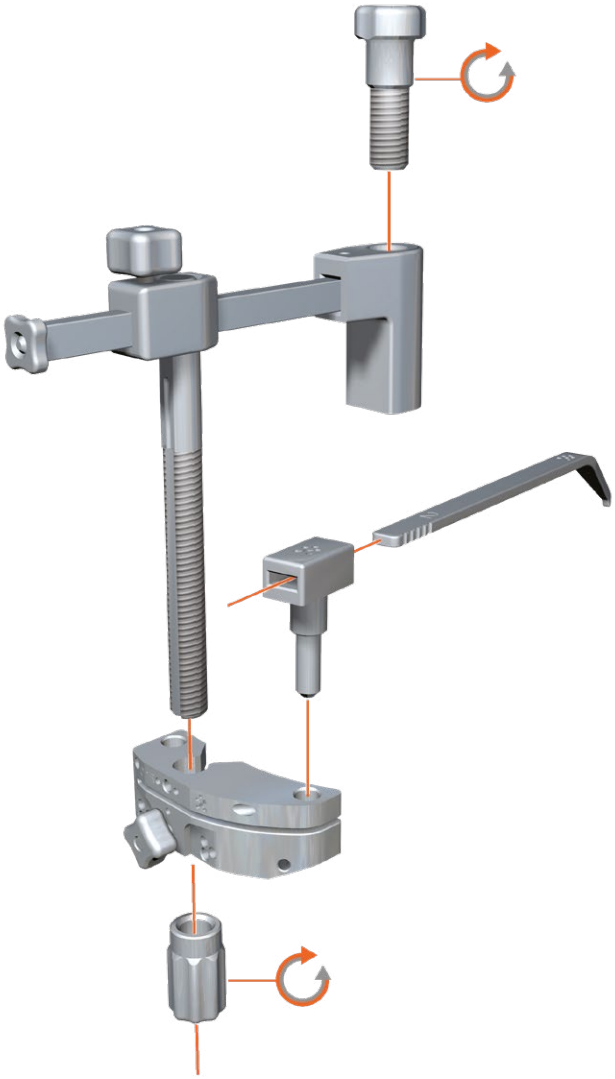
2 A cutting guide with a 0° or 4° posterior tibial slope is chosen according to the surgeon's desired slope.

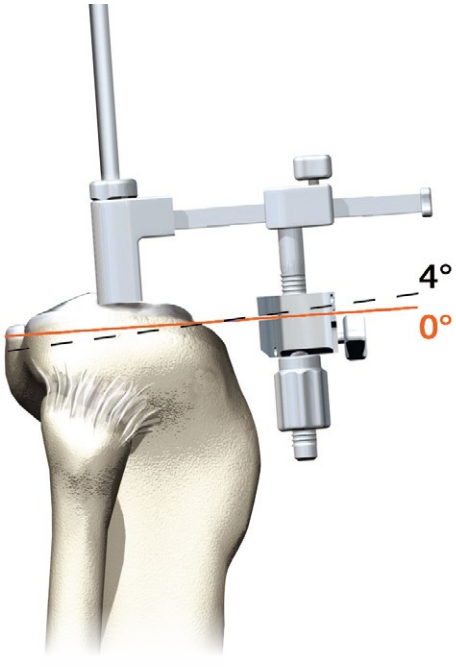
The 8 mm adapter is installed on the support.

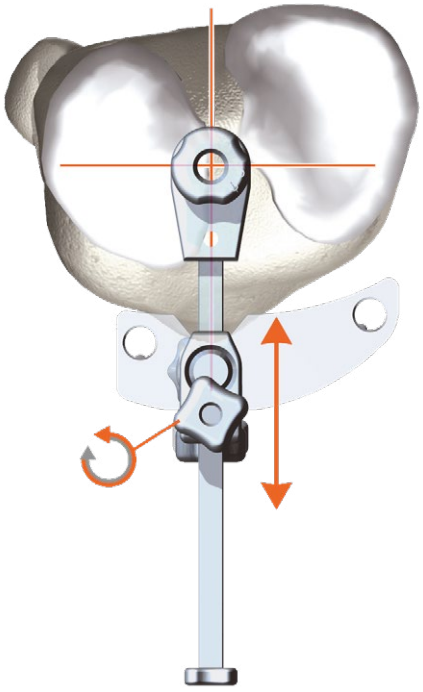
The tibial cutting guide is installed on the intramedullary support and the assembly is positioned on the intramedullary rod.

An optional fixing pin inserted on the front part of the support prevents it from rotating in the sagittal plane.

The cutting guide is brought as close to the anterior surface of the tibia as possible.

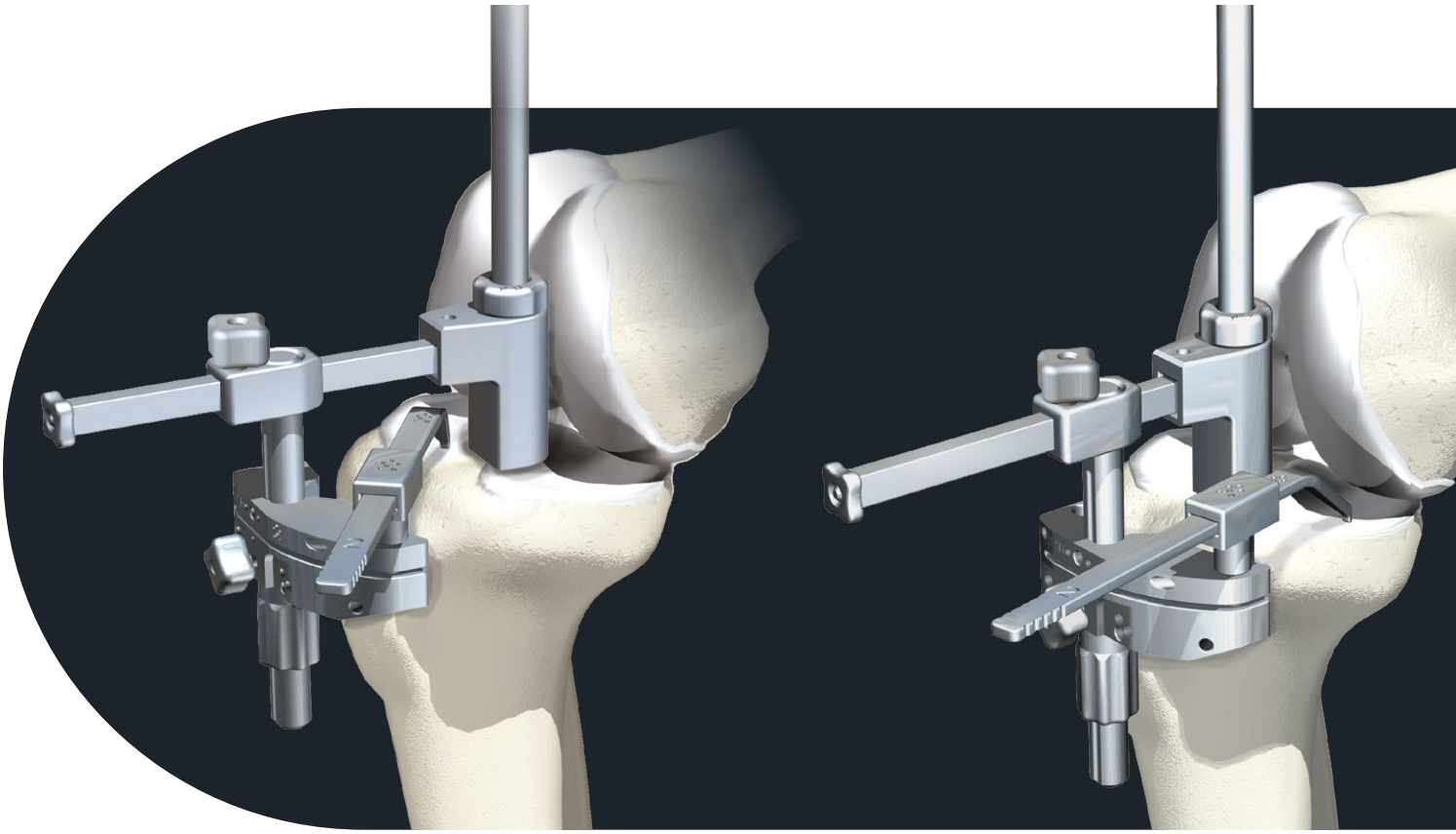






3 The cutting height is determined using one of the two styluses on the support placed on the cutting guide:

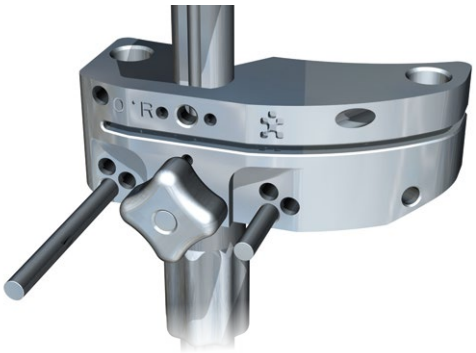
- 2 mm stylus on the worn side
- 10 mm stylus on the healthy side

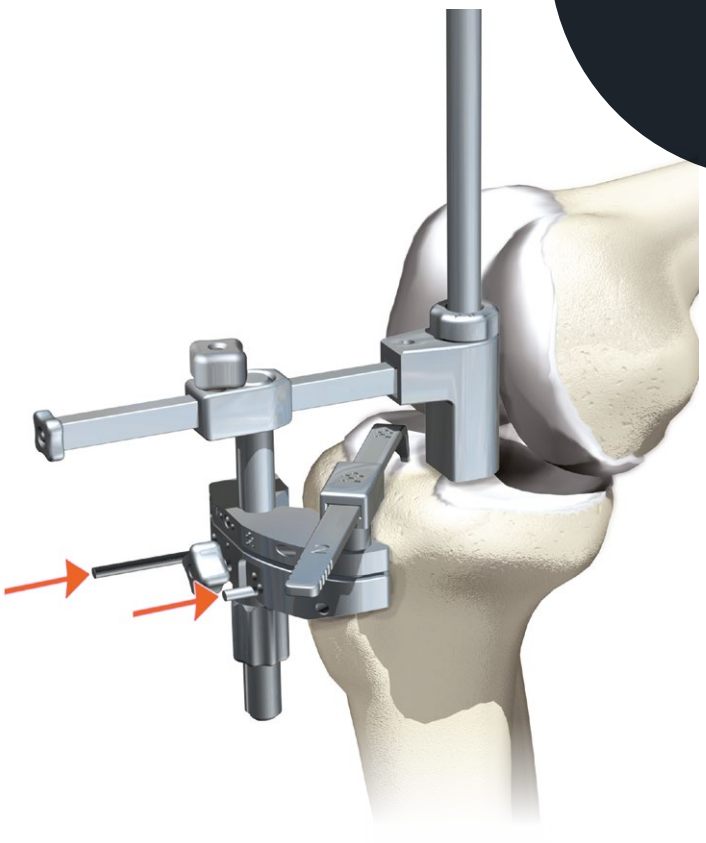


10 mm stylus

2 mm stylus

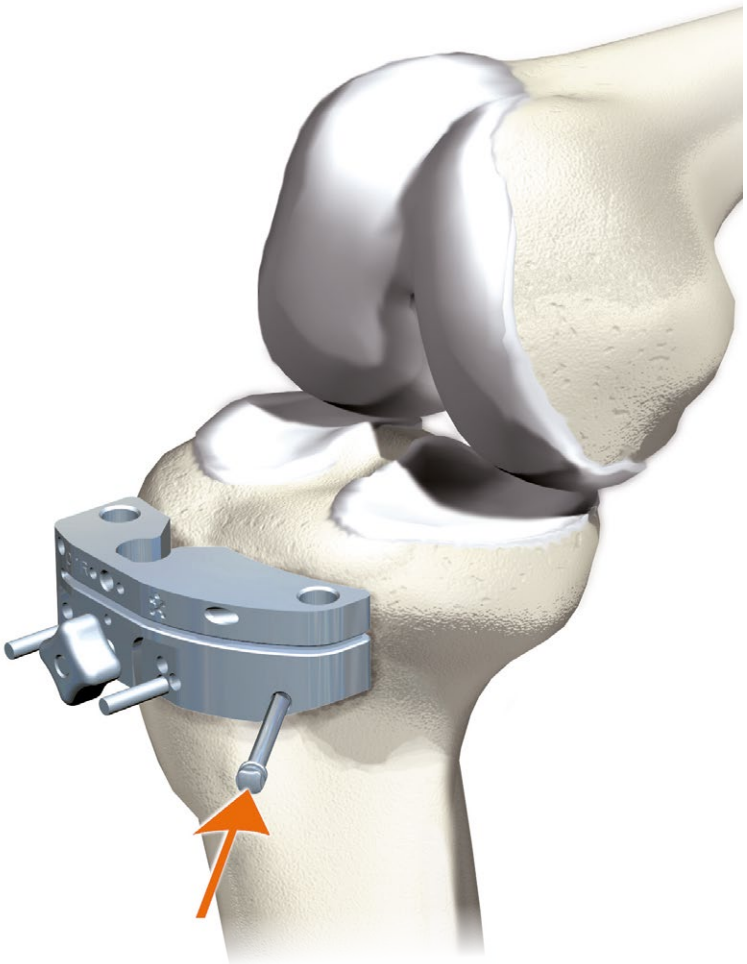
4 The guide is fixed into position using 2 pins inserted into the holes marked “0”.
If necessary, + 2 mm and + 4 mm holes are available for additional tibial cutting.





5 Remove the rod using the T-handle then remove the support.

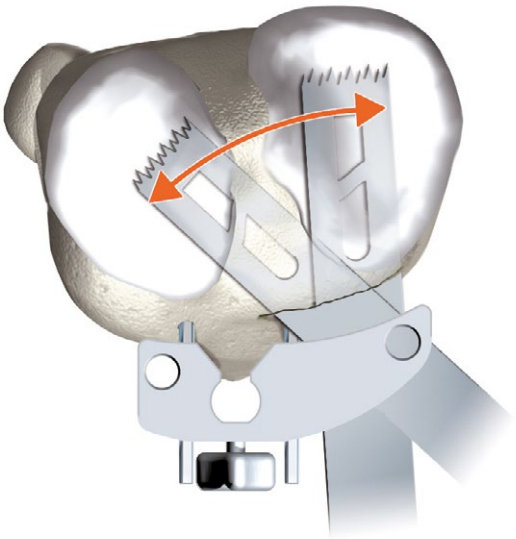
The tibial cutting block is brought close to the anterior surface of the tibia then locked using a headed pin.

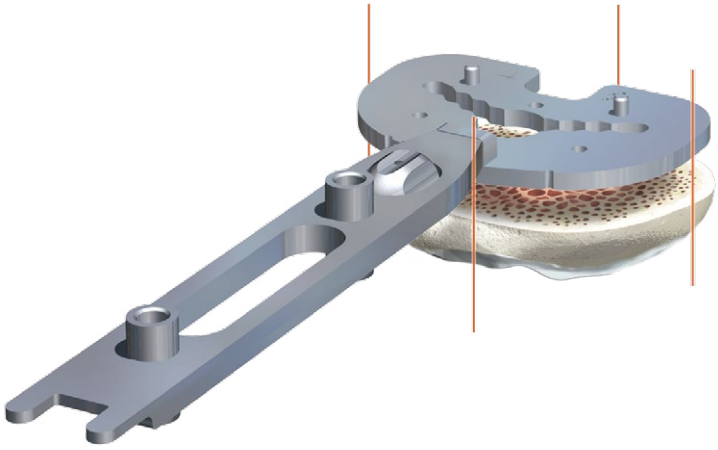


TIBIAL PREPARATION

PROXIMAL CUT

The proximal tibial cut is made following the extramedullary or intramedullary option.

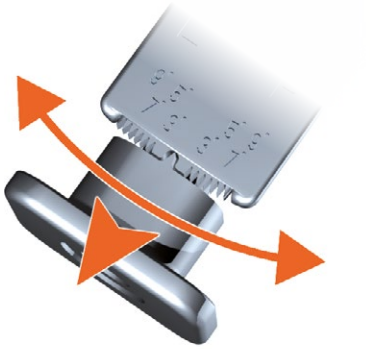




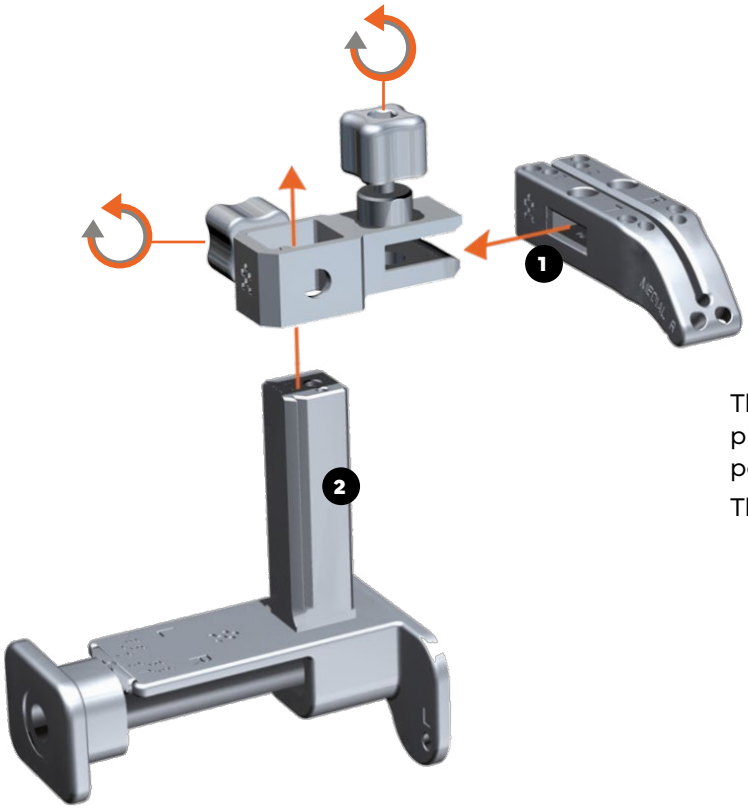
At this stage, the size of the tibial baseplate can be estimated using trial baseplates and by turning over the resected tibial section.

FEMORAL PREPARATION

DISTAL CUT



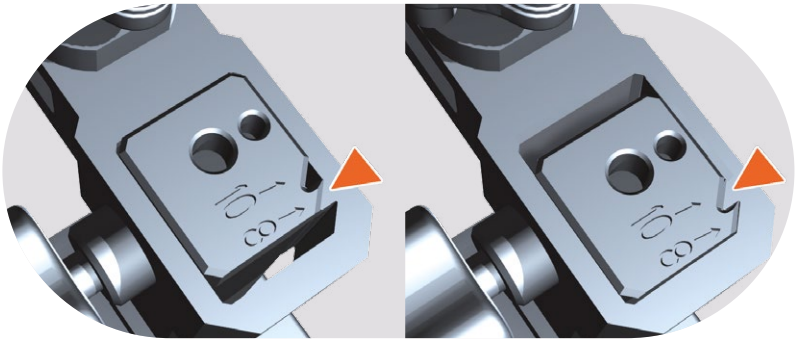
1 Set the degree of femoral valgus on the distal alignment guide (HKS angle calculated preoperatively): right or left side 3° to 9° (1° increments).



The 8 or 10 mm distal femoral cut can be selected by placing the cutting guide support in the 8 or 10 mm position on the alignment guide.

The recommended cut is 8 mm.

2 The distal femoral cutting block is assembled on its support then positioned on the alignment guide.



8 mm cut

10 mm cut

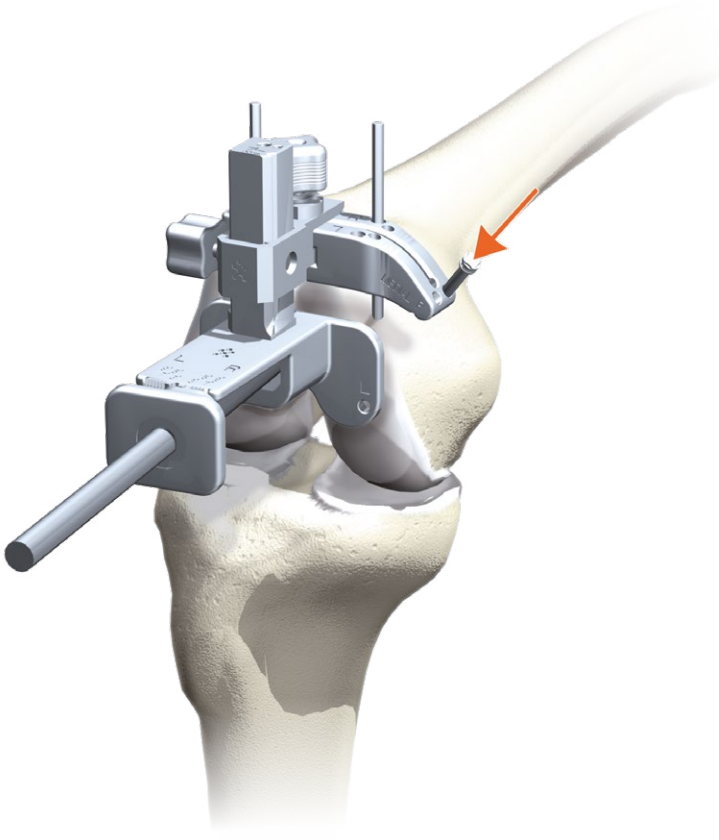
3 Drill the entrance hole into the notch using the 8 mm diameter bit, in line with the centromedullary femoral canal.

Insert the 8 mm diameter centromedullary rod using the removable T-handle, ensuring that at least 10 cm is left outside the bone.

Remove the T-handle and insert the distal femoral alignment guide on the rod until it comes into contact with at least one distal femoral condyle.

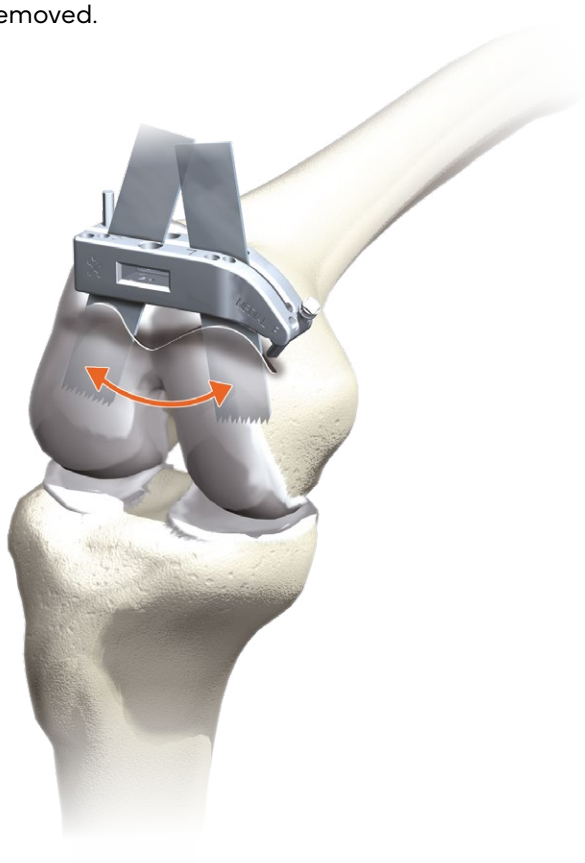
Fix the cutting block in position by inserting two pins into the "0" holes.

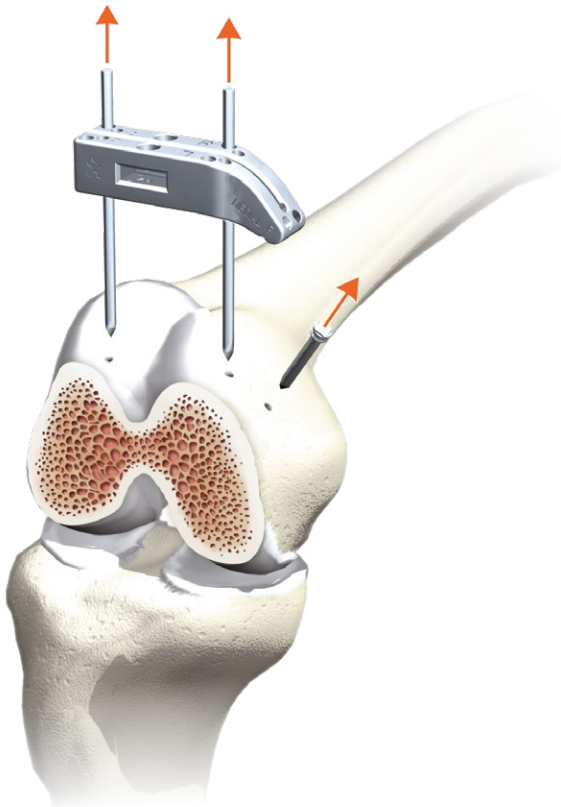
Loosen the knob on the femoral guide support, remove the centromedullary rod using the T-handle then remove the alignment guide.



4 The guide is brought as close as possible to the anterior part of the femur then locked with a headed pin.

The distal femoral cut is made then the guide is removed.





SPACERS OPTION

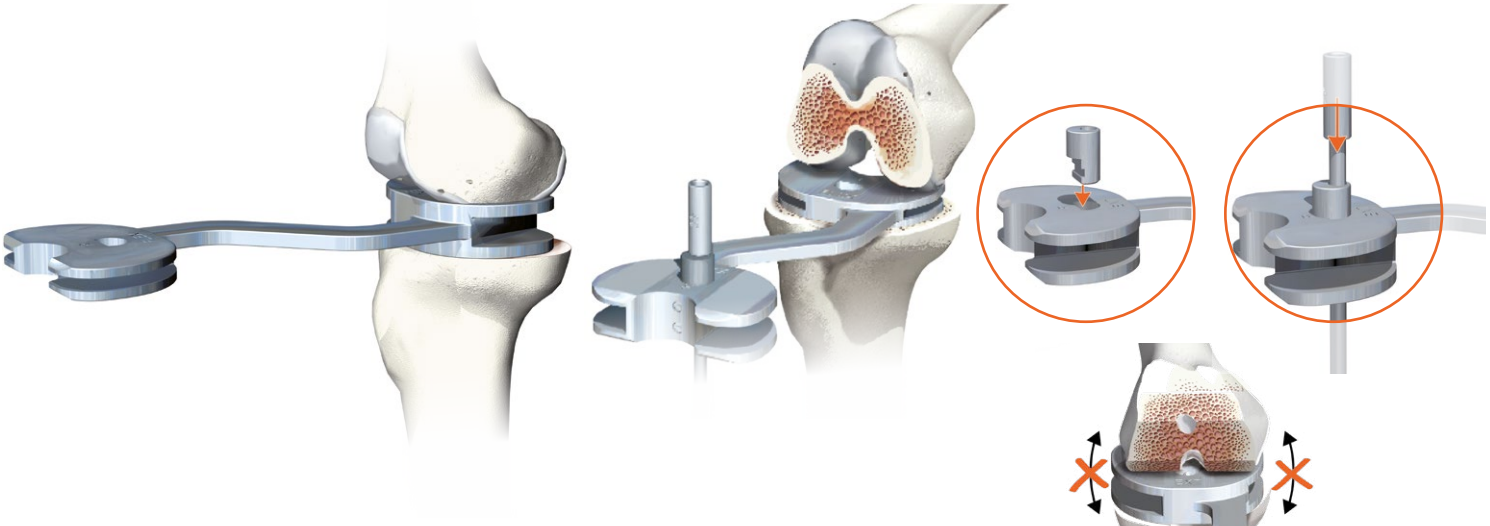
The Extension (EXT) base spacer represents the minimum space required for a **MADISON** prosthesis, which is 18 mm (8 mm femur + baseplate

and 10 mm insert).

The Extension (EXT) base spacer is used to check the space and full extension when the tibial proximal cut and distal femoral cuts are made.

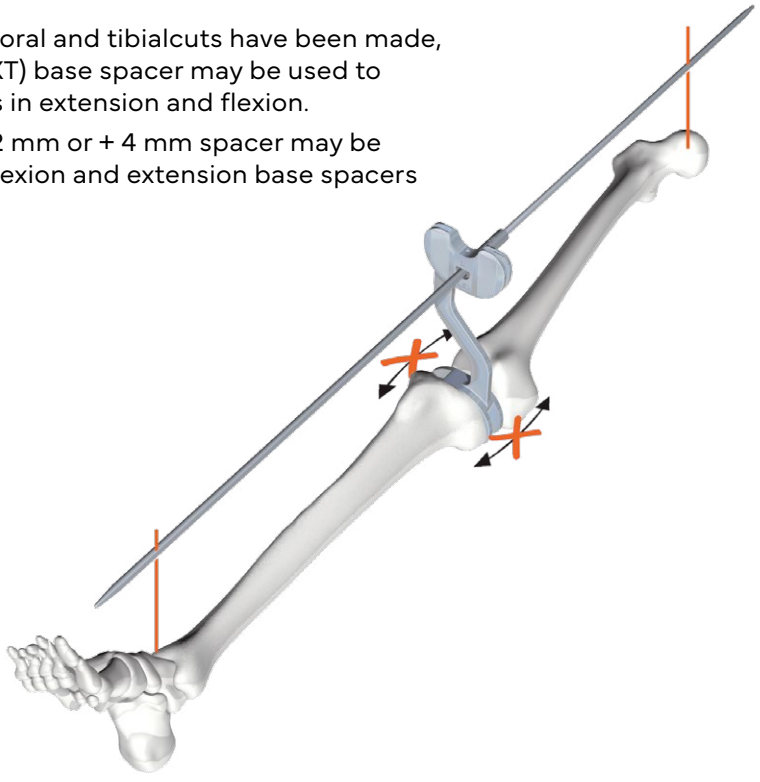
The Flexion (FLEX) base spacer represents the minimum space required for a tibial baseplate and the smallest insert thickness, which is 10 mm.

The Flexion (FLEX) base spacer is used at 90º flexion to check the space between the proximal tibial cut and the unresected posterior condyles.



When all the femoral and tibialcuts have been made, the extension (EXT) base spacer may be used to check the spaces in extension and flexion.

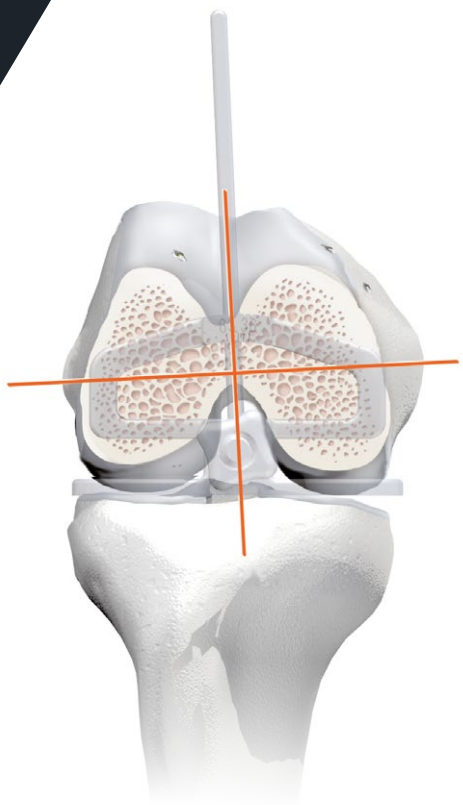
If necessary, a + 2 mm or + 4 mm spacer may be inserted on the flexion and extension base spacers (FLEX and EXT).



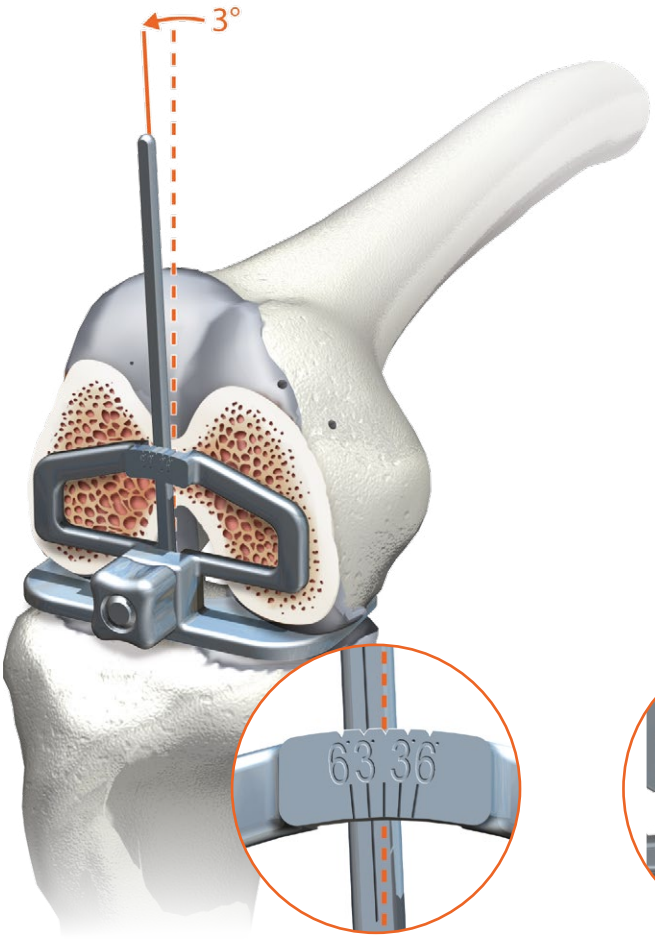
FEMUR PREPARATION

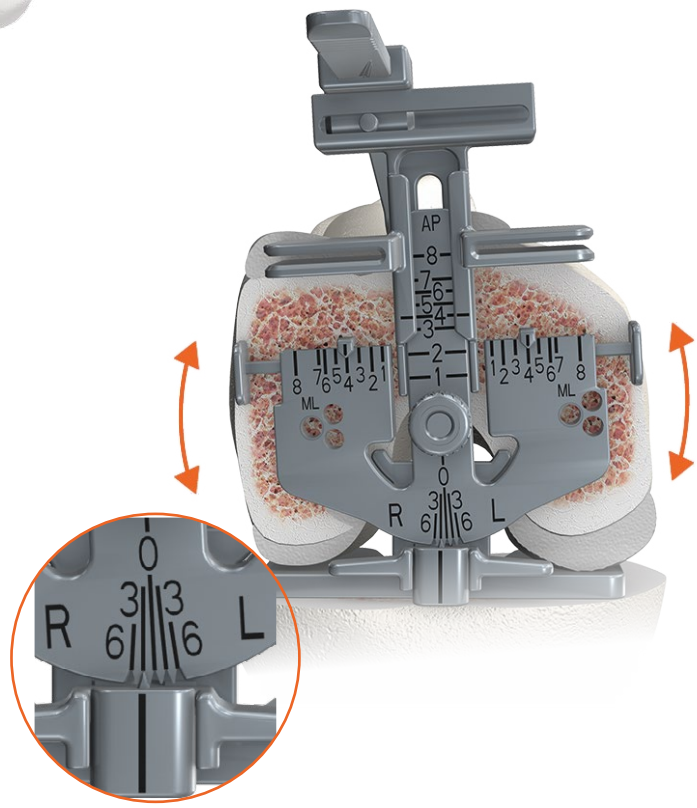
MEASUREMENT AND EXTERNAL ROTATION

1 An angle finder is used to determine the external femoral rotation angle, based on the Whiteside's line principle and in relation to the posterior bicondylar line.



Rotation angle/Whiteside's line.





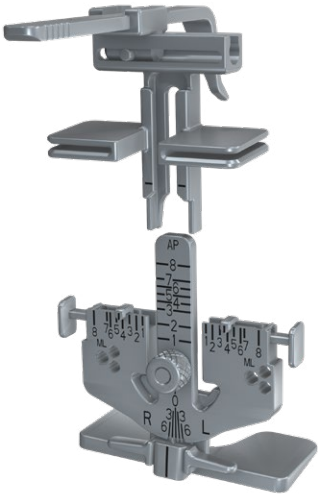
The calculated angle will be set on the Evo Sizer.

In this example, a 3° external rotation angle is read and set for a right knee.

2 The Evo Sizer instrument has 3 components:

- Femoral/rotation Evo Sizer - Base
- Femoral/rotation Evo Sizer - Support
- Femoral/rotation Evo Sizer - Stylus

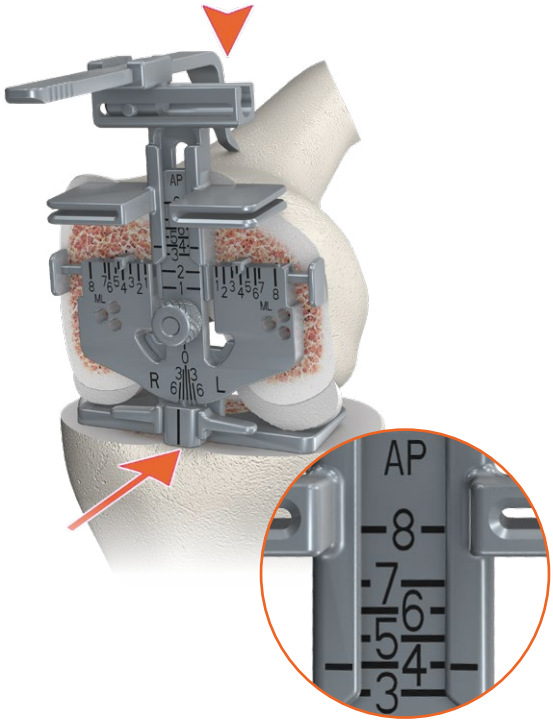
The stylus tip is flush with the notch.



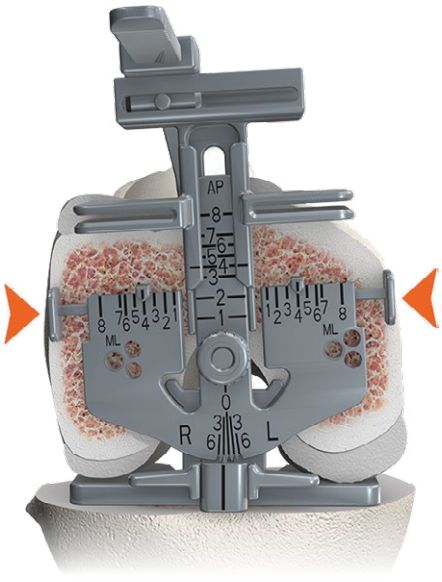
The stylus tip indicates the saw blade exit point.

1. Position of the Evo Sizer against the surface of the distal femoral cut with the knee in 90° flexion.

2. The Support foot is in contact with the posterior femoral condyles.



The AP size is determined when the stylus comes into contact with the anterior cortex, the line on the stylus support indicates the size in the upper window of the Evo Sizer base.

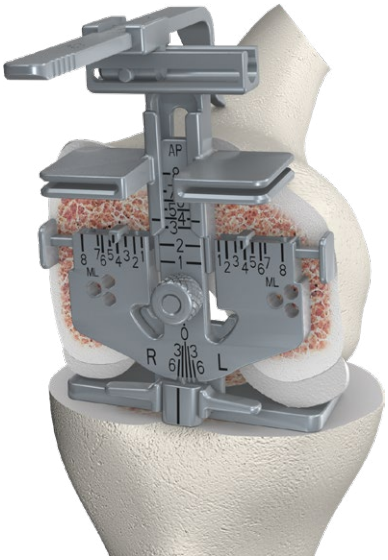


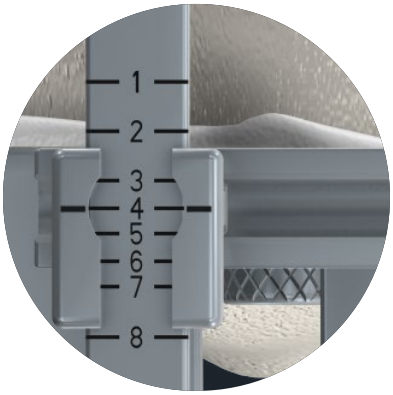
The ML size is checked by aligning the lateral arms with the bone edges. ML 1, 2, 3, ...8 indicate the ML size of the corresponding implant (ensure that each arm shows the same figure).

First case

ML = size 4 / AP = size 4

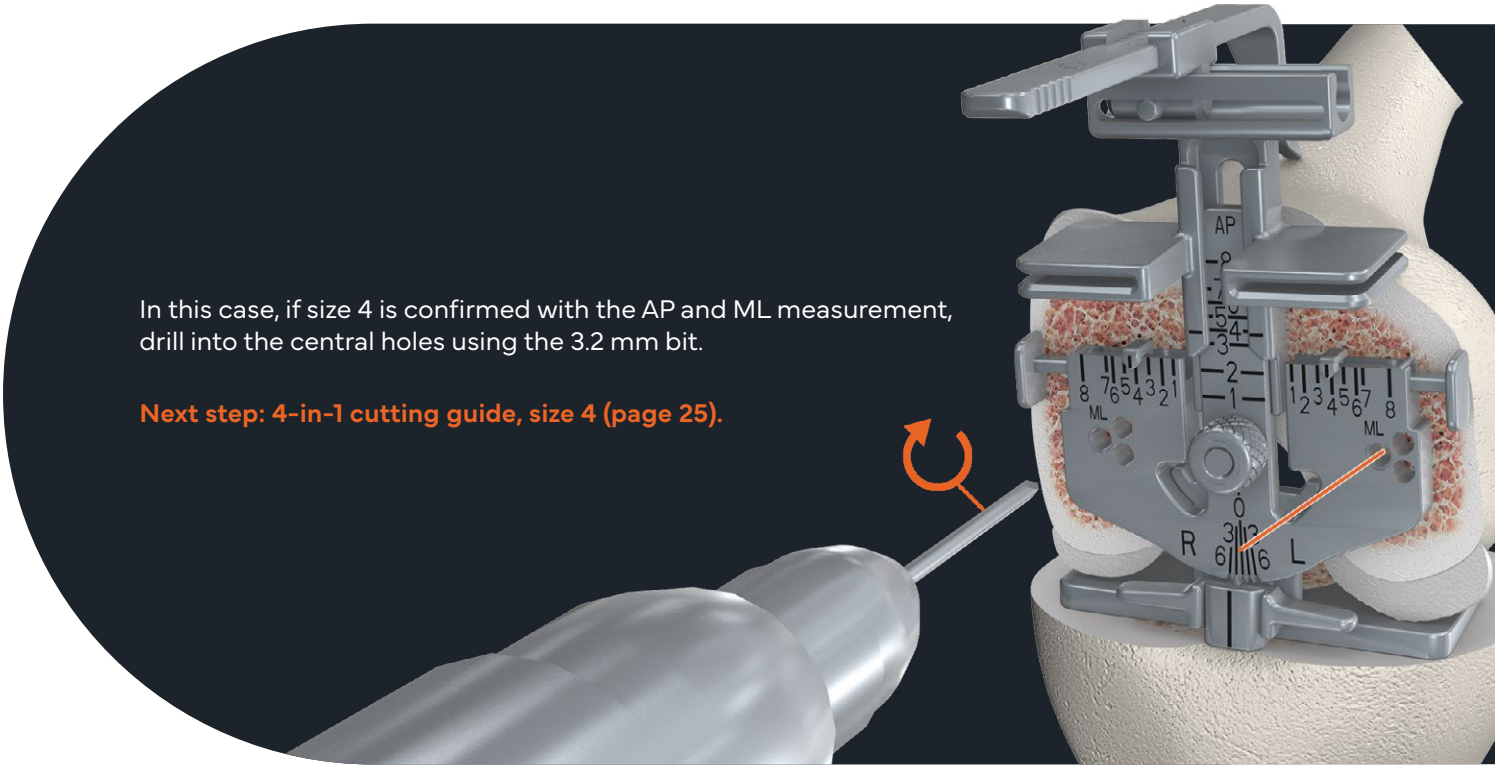
Set the stylus to position 4 and place the stylus + support assembly onto the Evo Sizer Base.



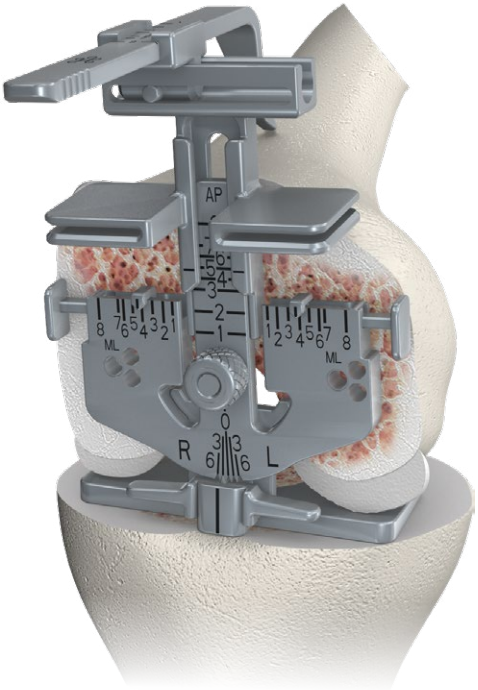


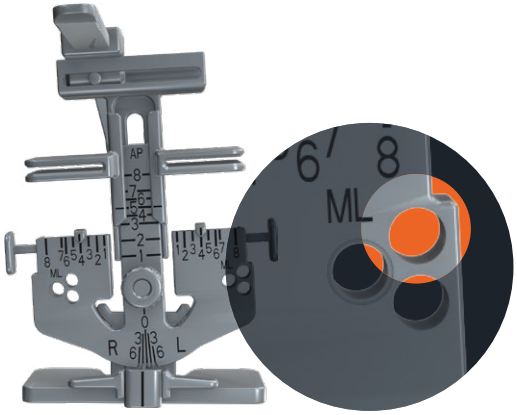
In this case, if size 4 is confirmed with the AP and ML measurement, drill into the central holes using the 3.2 mm bit.

Next step: 4-in-1 cutting guide, size 4 (page 25).



Important:
This only applies to changing from size 3 up to 7 (2 mm increment between sizes).





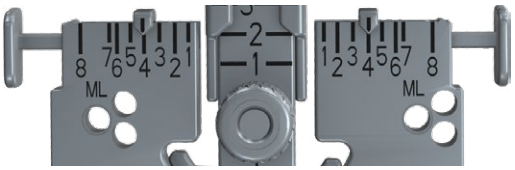
Second case

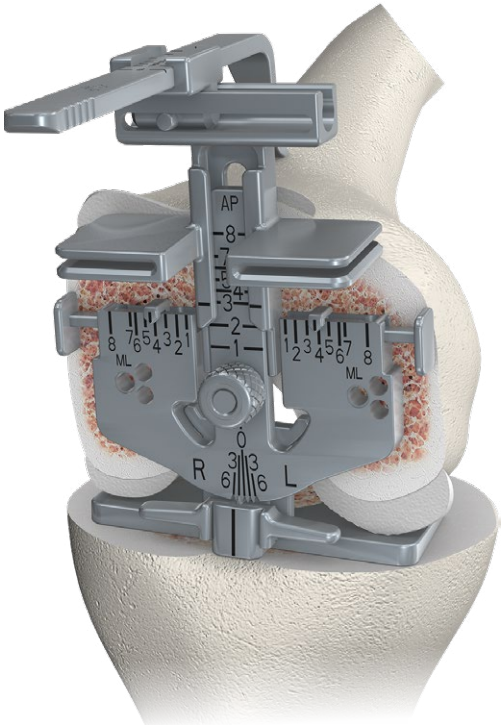
ML = size 4 / AP = size 5

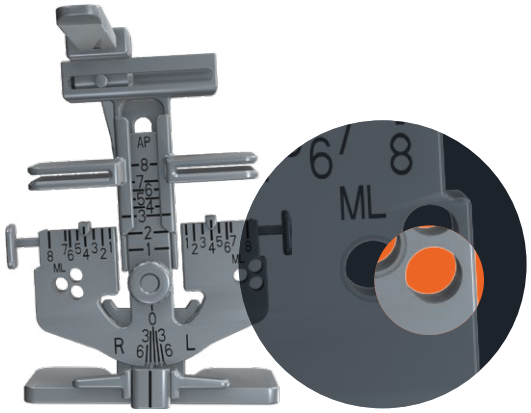
In this case, the AP measurement indicates size 5 but the ML measurement indicates size 4.

If the choice is made to maintain size 4, the holes will be drilled in the upper holes of the Evo Sizer base in order to avoid creating a notch in the anterior cortex.

Next step: 4-in-1 cutting guide, size 4.







Third case

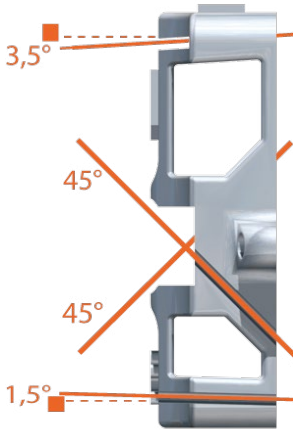
ML = size 4 / AP = size 3

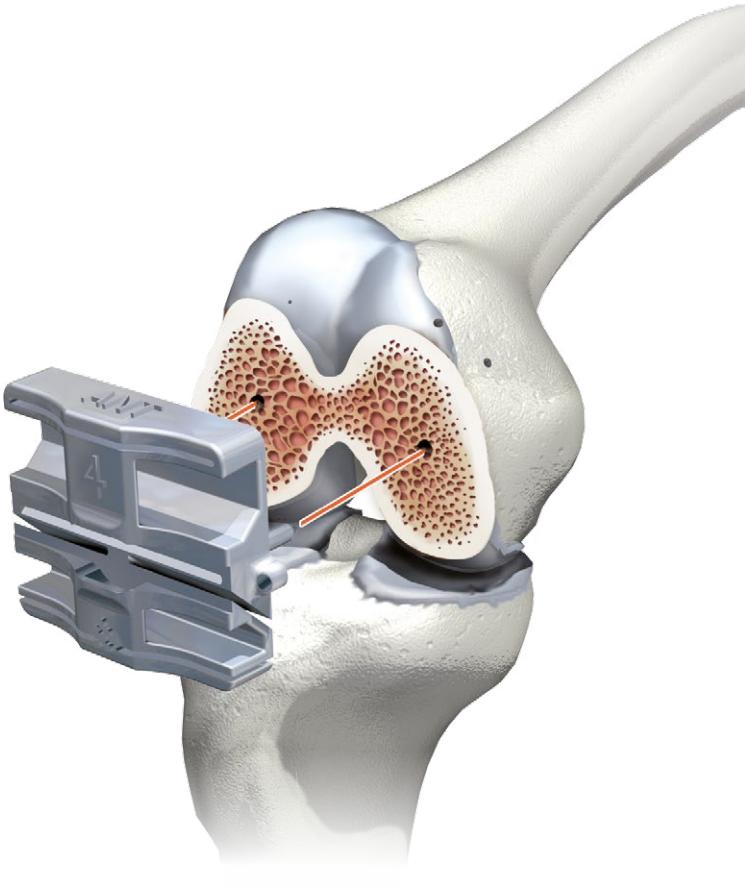
In this case, the AP measurement indicates size 3 but the ML measurement indicates size 4.

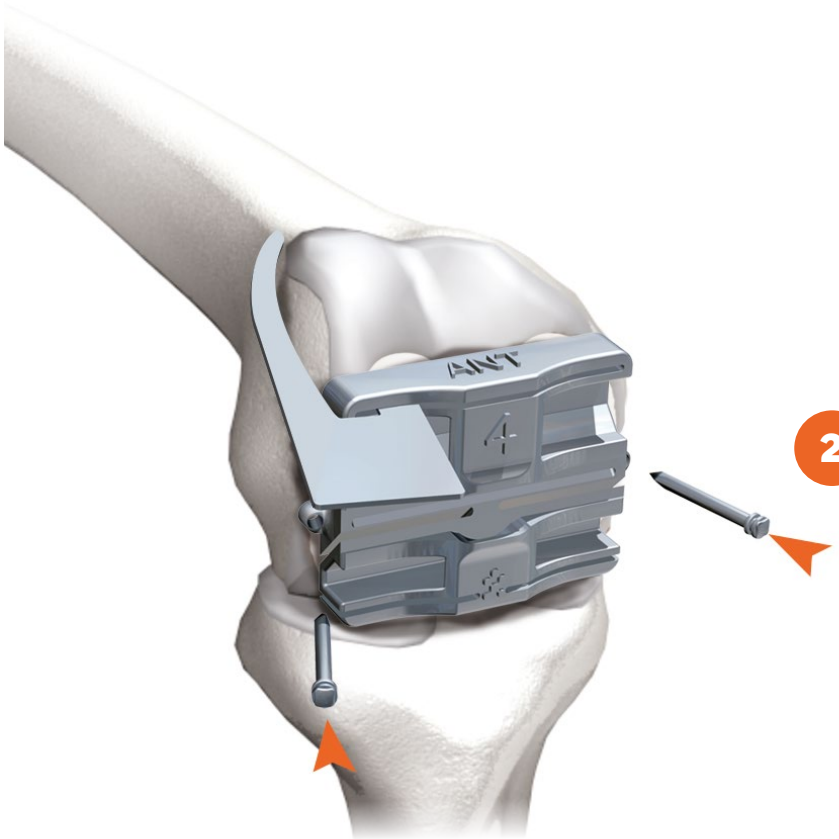
If the choice is made to maintain size 4, the holes will be drilled in the lower holes of the Evo Sizer Base in order to prevent the prosthesis being raised in relation to the anterior cortex.

4-IN-1 CUTTING GUIDE

1 The 4-in-1 cutting guide for the selected size is positioned in the previously created holes.







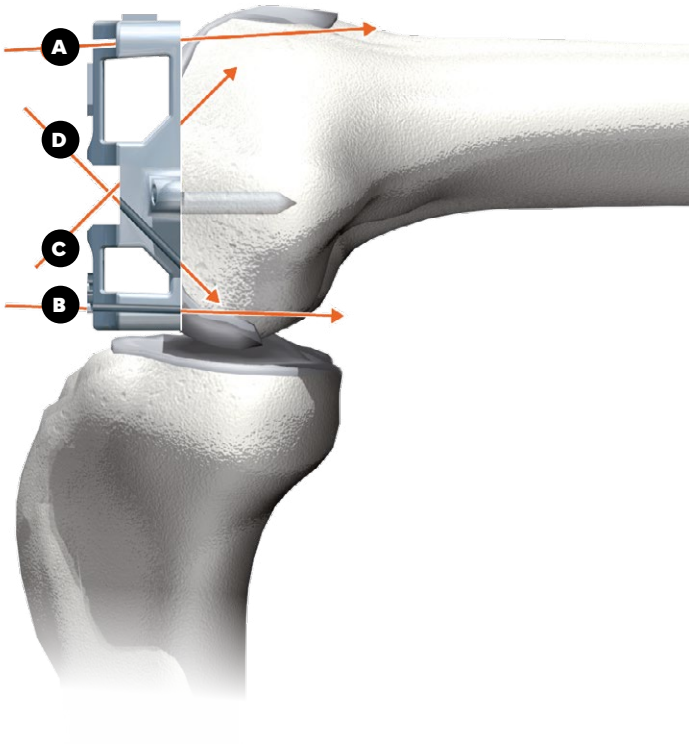
2 The guide is pushed into contact with the distal femoral cut.

A final check can be carried out on the anterior cortex using the test plate. Use two headed fixing pins in a convergent position to secure the guide in position.

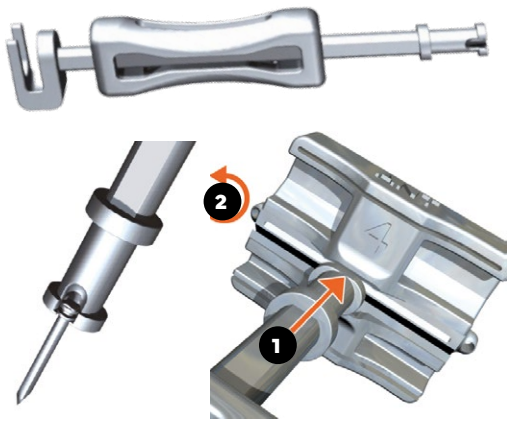
ANTERIOR, POSTERIOR AND CHAMFERED CUTS

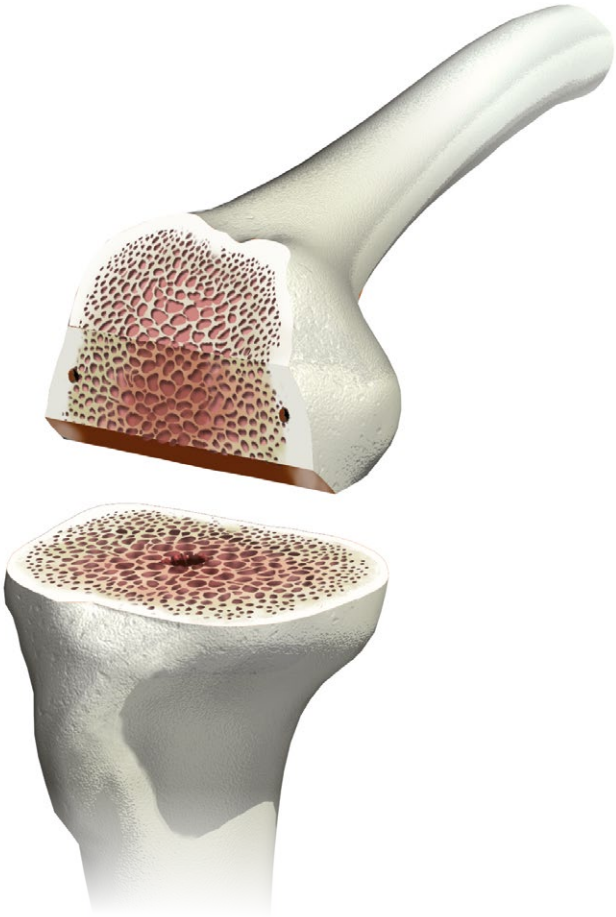
3 Cuts must be made using a saw blade 1.27 mm thick and ideally 25 mm wide and 90 mm long.
The following order is recommended:

- **A** anterior cut
- **B** posterior cuts
- **C** anterior chamfer
- **D** posterior chamfers



4 Remove the headed pins and cutting guide using the universal extractor.



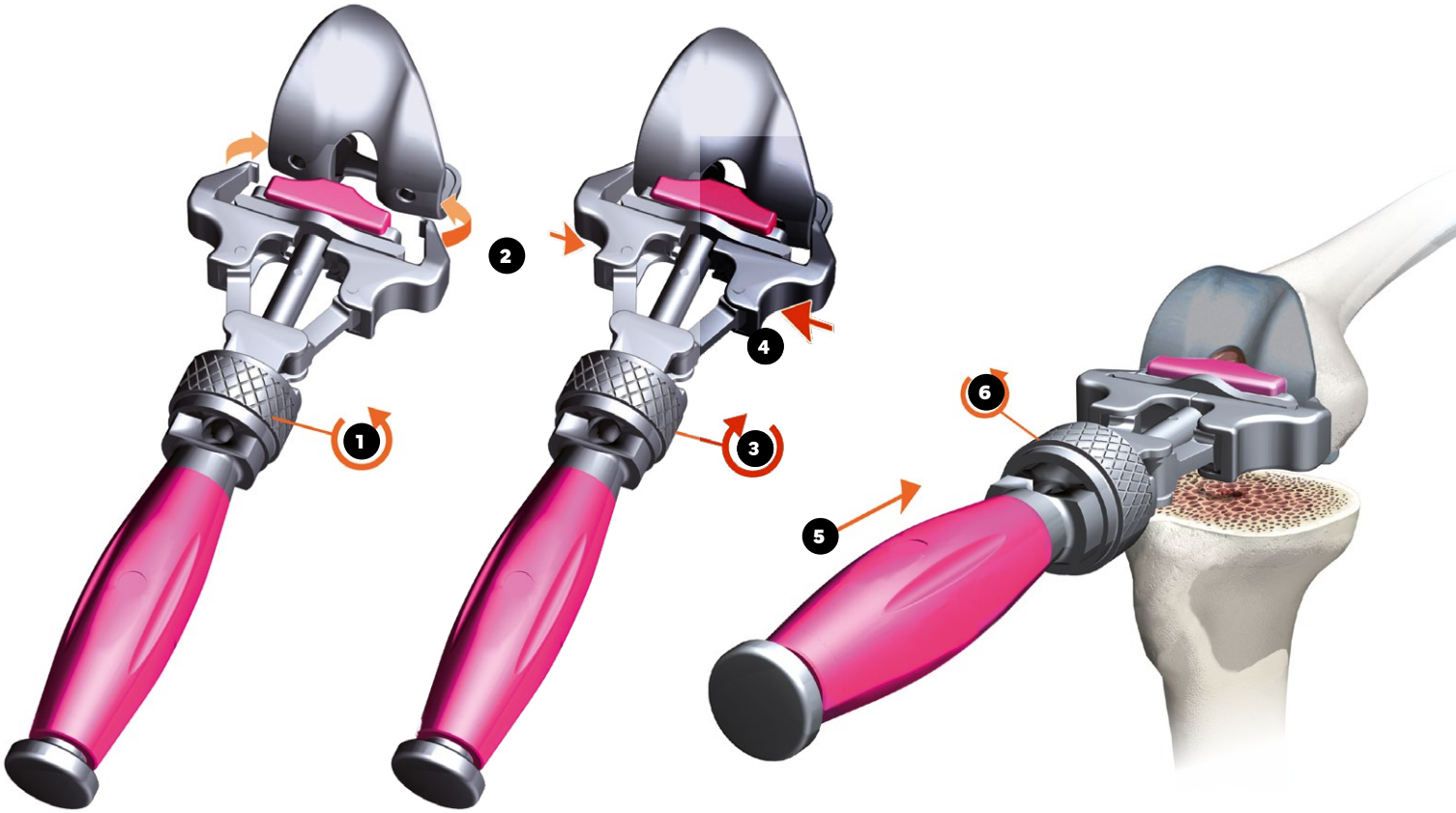


CR PROCEDURE

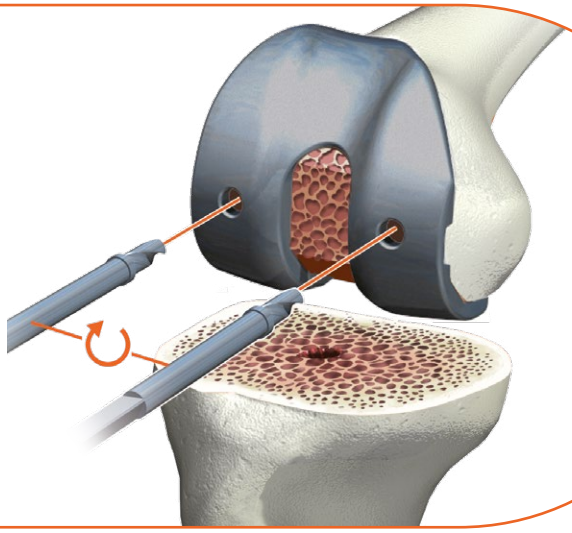
Only for UC

1 The trial CR femoral implant in the selected size is impacted using the femoral impactor.

2 The impactor is removed when the ML positioning of the trial implant is determined.

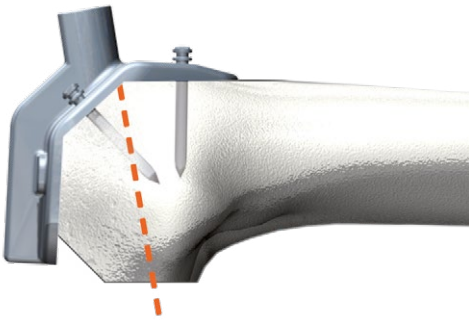


3 Two holes for the femoral pegs are drilled through the trial implant using the 6 mm drill with stop.

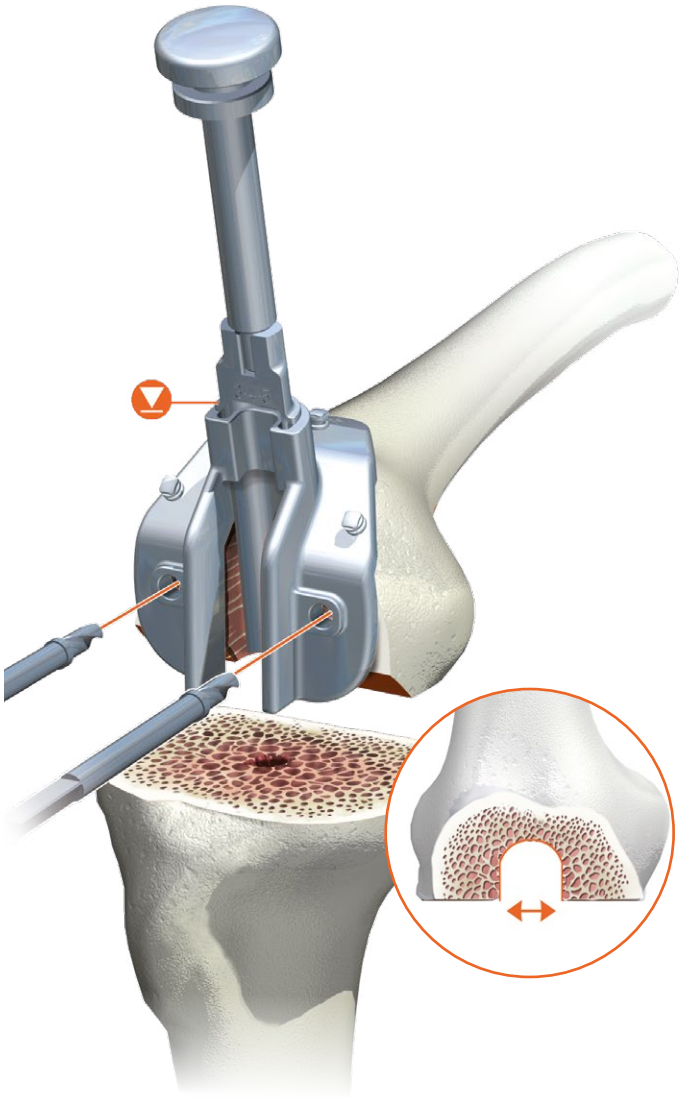


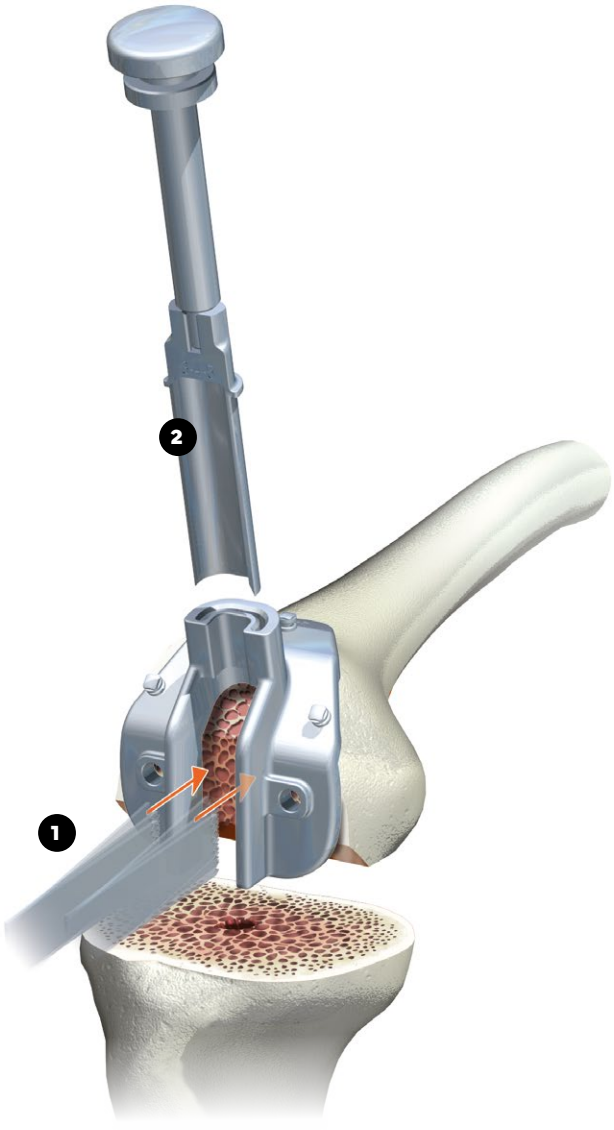
PS PROCEDURE

PS cage and implant positioning



1. Three headed pins are inserted to lock the PS cage cutting guide into position.
2. Start by cutting with a saw blade, using the two internal edges of the guide and not exceeding a depth of 4 mm (1).
3. The PS cage chisel corresponding to the size of the guide is inserted into the upper guide slot and gently impacted up to the depth stop to complete PS cage cutting (2).
4. The chisel is removed in a straight line using the universal extractor which then enables the three headed pins to be removed.



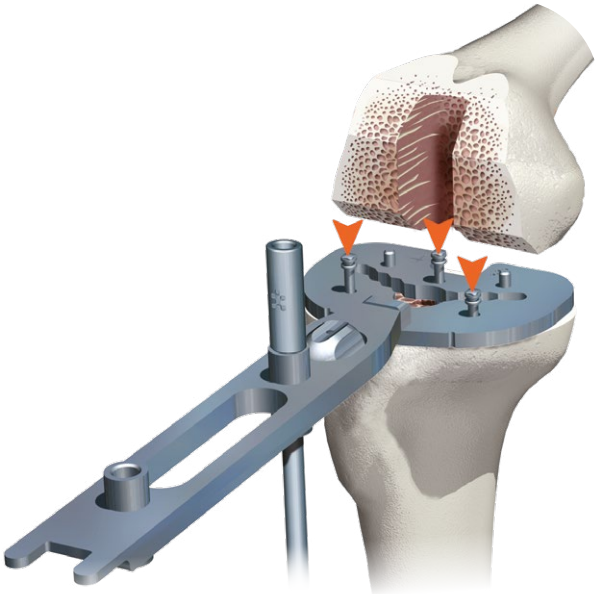


5. Two holes for the femoral pegs are drilled through the PS cage guide using the 6 mm drill with stop.

TESTS

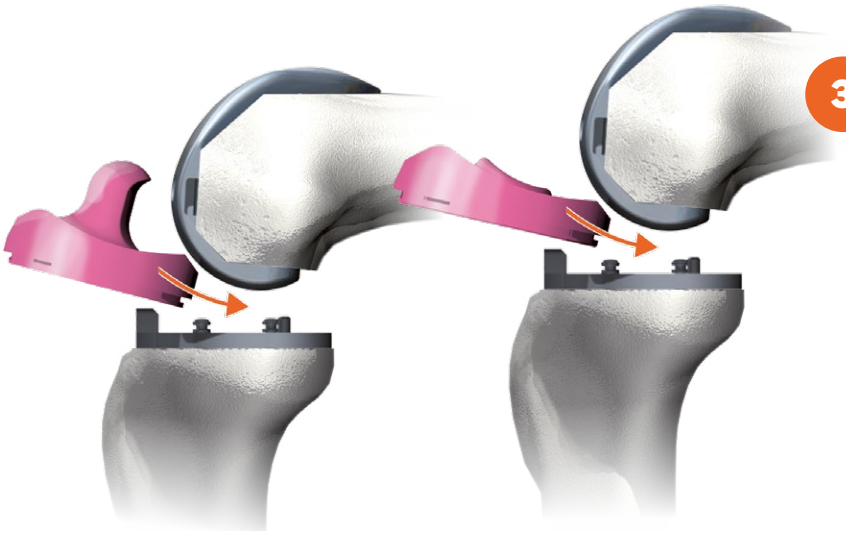
1 The selected trial tibial baseplate is temporarily fixed onto the tibial cut using three headed pins.

Rotation can be checked using the external rod inserted into the handle.



2 The trial femoral component is impacted again using the specific impactor.

Important :
The CR version must be used for the UC procedure.
The PS version must be used for the PS procedure.



PS UC

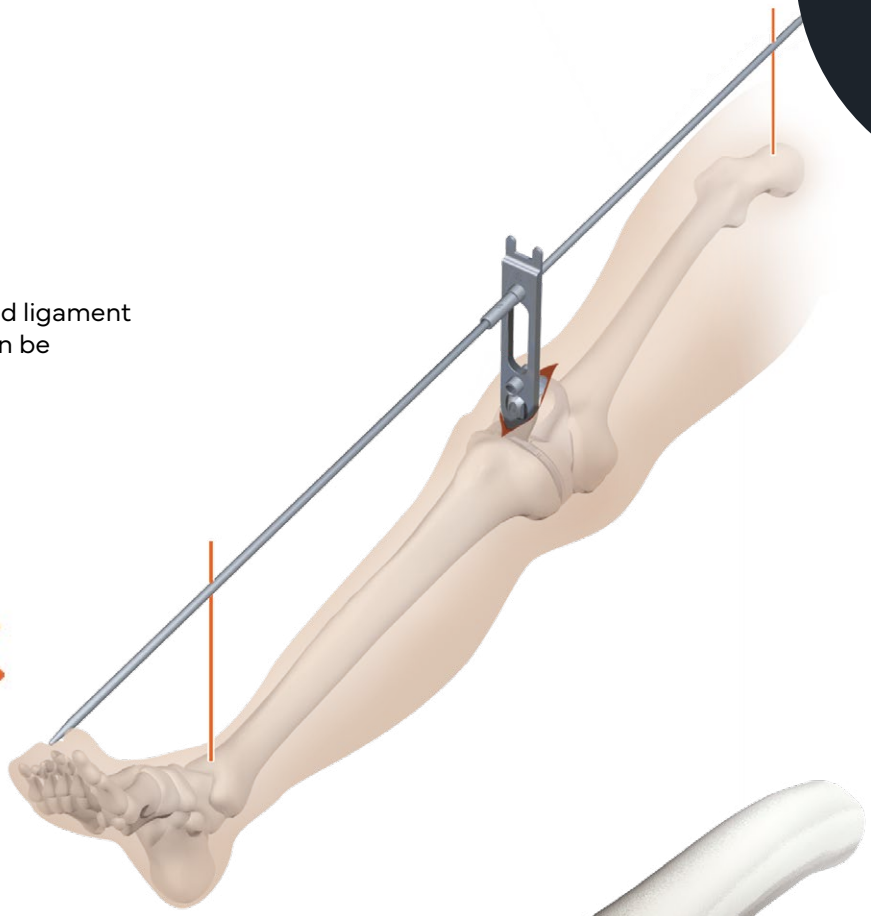
3 The trial insert corresponding to the chosen baseplate is snapped into position.

The thinnest trial insert is usually used first (10 mm). Depending on the required degree of stability, a 12 to 20 mm** insert for UC and PS can be used.

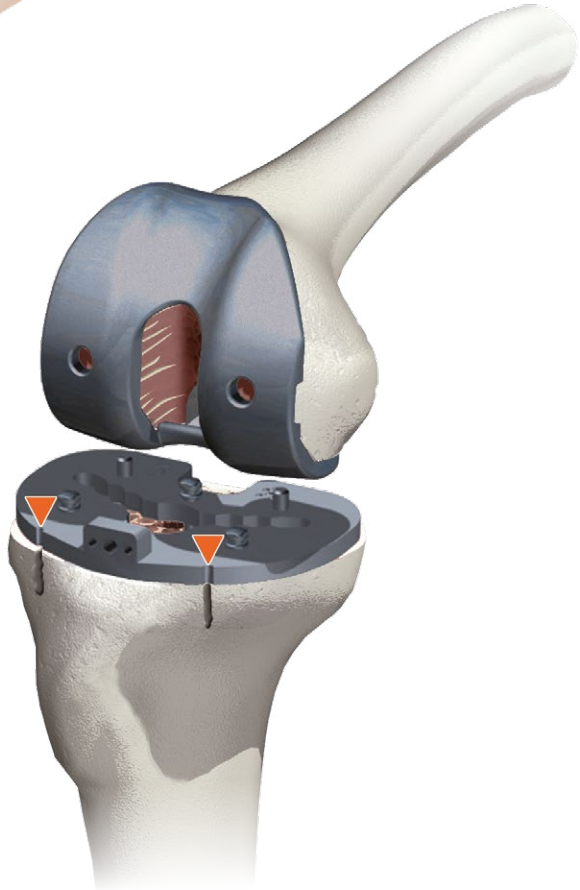
The trial insert may be removed using the gripper extractor tool inserted into the 2 slots.

** Some thicknesses are optional. For more details please contact your local representative.

4 The centre line of the lower limb and ligament stability in extension and flexion can be checked.



5 The definitive position of the trial tibial baseplate is marked on the anterior edge of the tibia using an electric scalpel.



TIBIA

KEEL PREPARATION

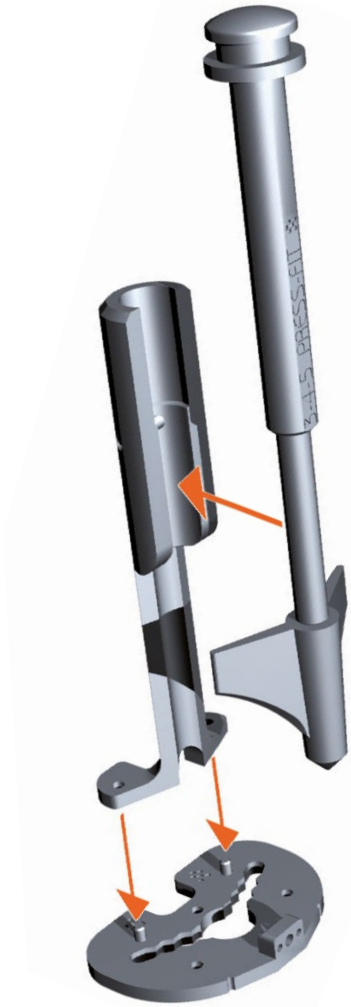
The insert and trial femur are removed.

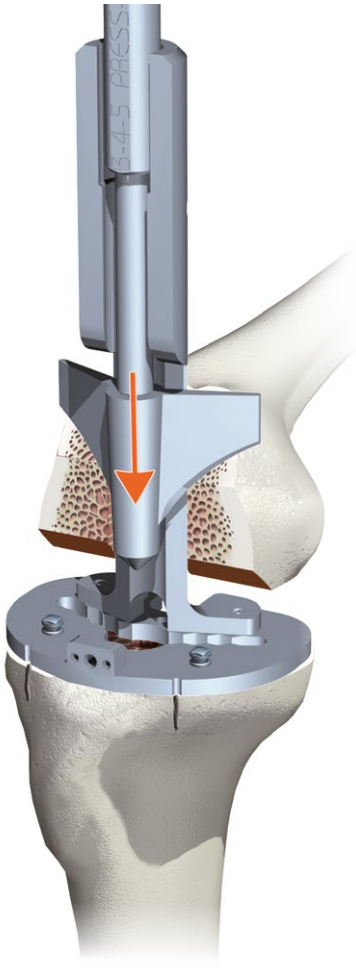
The guide pillar is placed on the two trial baseplate pegs.

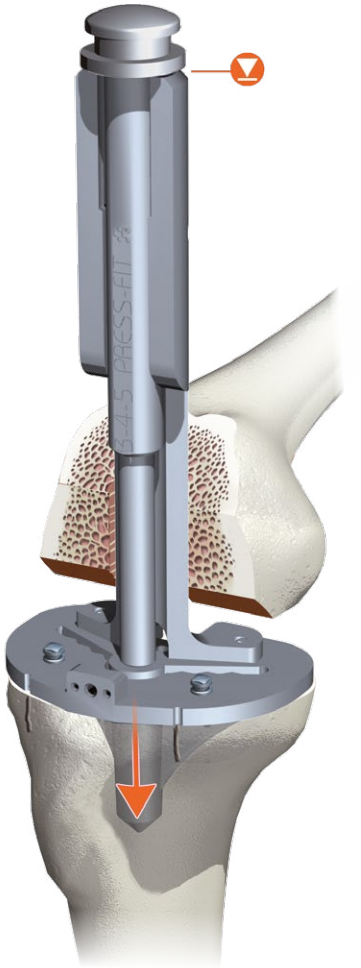
There is a cemented and cementless version of the tibial keel impactor.

The selected impactor is inserted into the pillar and gently impacted up to the depth stop on the pillar.

Remove the impactor in a straight line using the universal extractor, enabling the three headed pins to be removed.







EXTENSION ROD OPTION

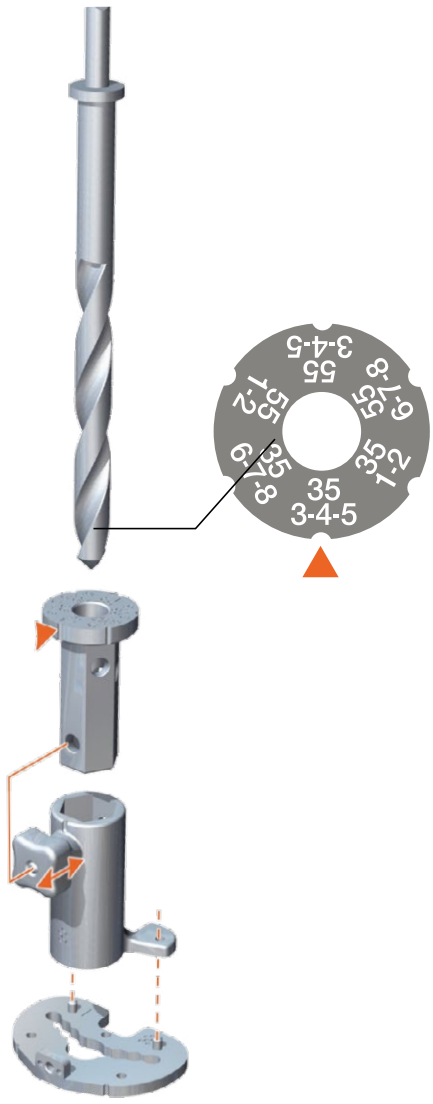
If a tibial extension rod is required, the specific drilling guide is positioned on the two trial baseplate pegs.

Insert the sleeve with the rod size marking.

Pull the knob out to fully to insert the sleeve then slowly lift the sleeve to lock it into the selected rod position.

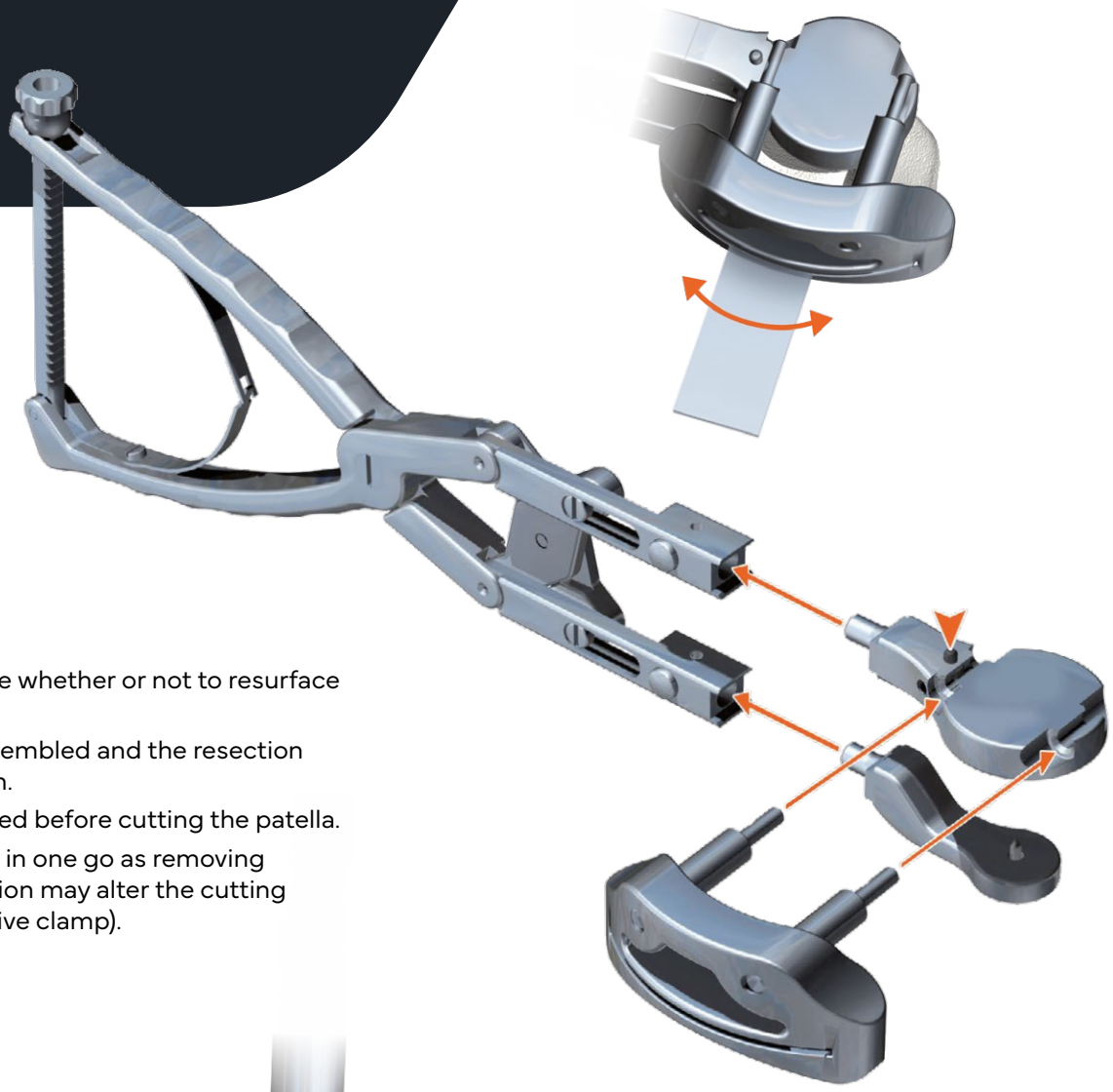
In this example, we have selected a 35 mm-long rod for a size 3, 4 or 5 tibial baseplate.

Then drill up to the stop using the 11 mm diameter bit.



Positioning the definitive extension rod: unscrew the cap under the tibial keel using a 5 mm hex screwdriver and screw in the chosen extension.

PATELLA

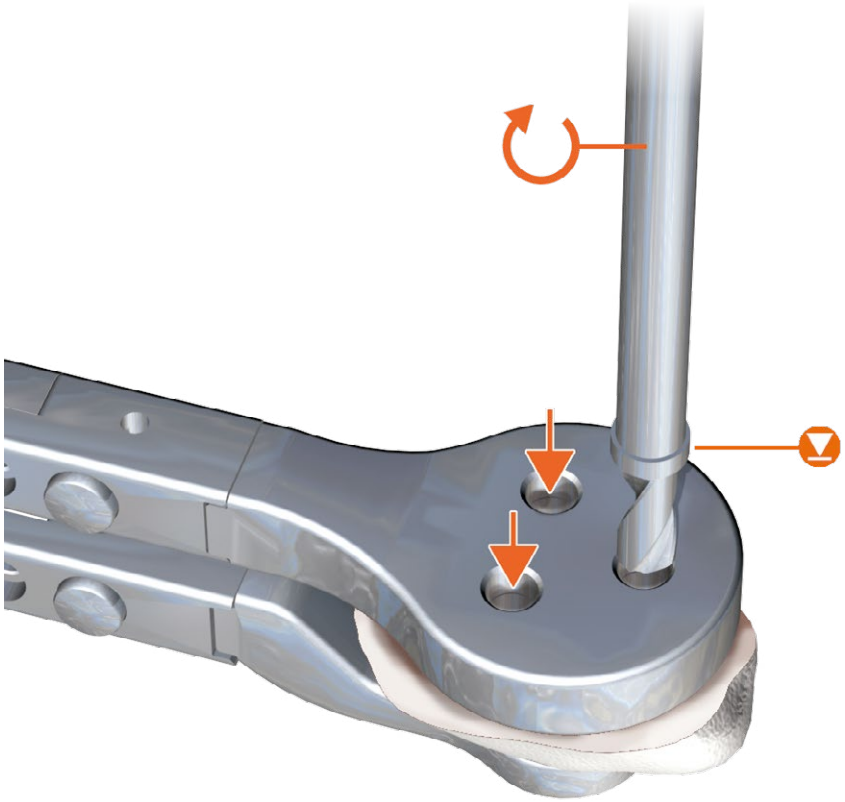


It is the surgeon's choice whether or not to resurface the patella.

The patella clamp is assembled and the resection level is set to 8 or 10 mm.

The clamp is firmly locked before cutting the patella.

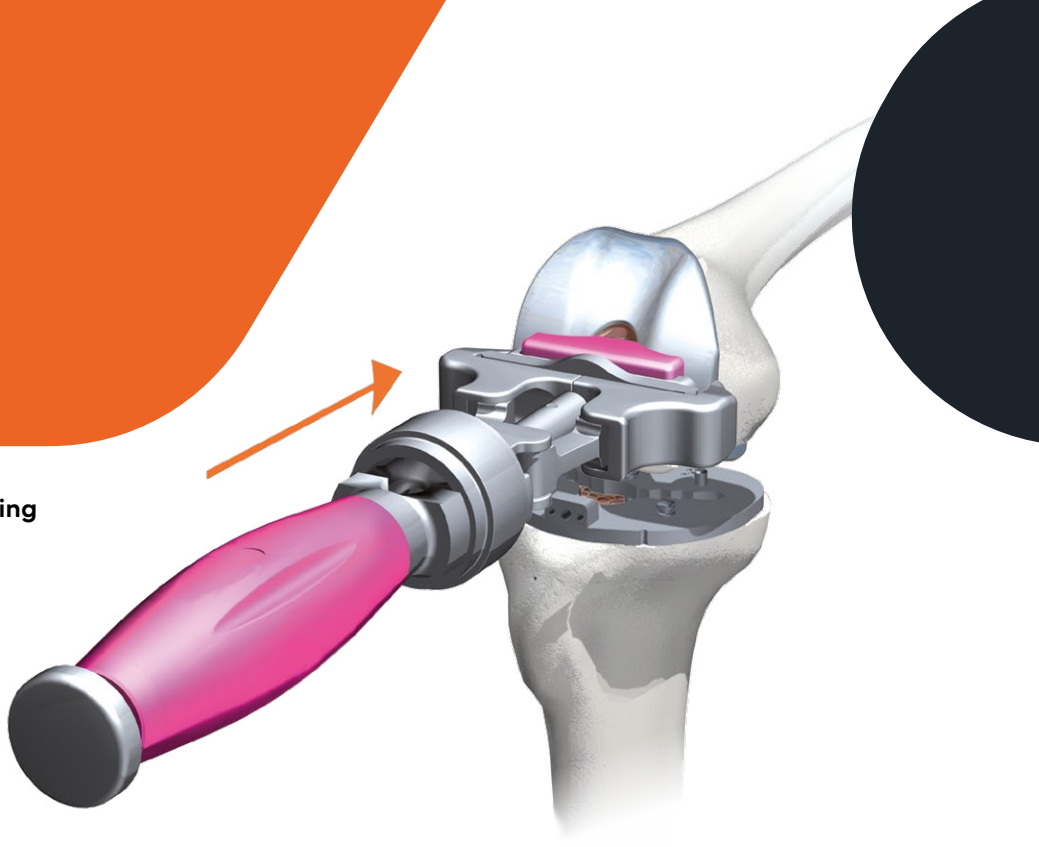
The patella must be cut in one go as removing the blade during resection may alter the cutting level (pressure-responsive clamp).



IMPLANTS

The recommended order for positioning implants is:

1. Tibial baseplate
2. Femoral component
3. Tibial insert
4. Patella



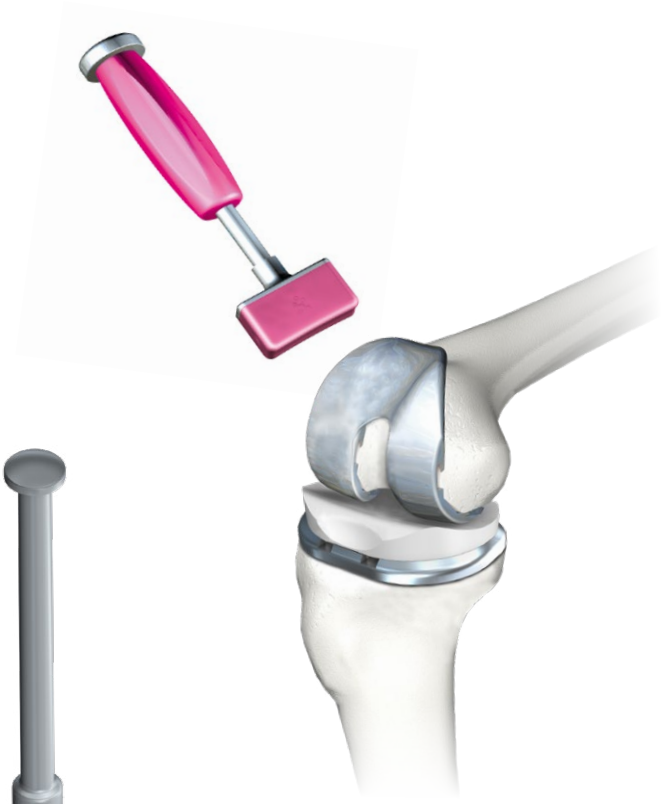
Trial and implant femoral impactor

The knee is then placed in full extension which maintains pressure on the the femur and tibial baseplate to ensure correct impaction.

If the patella is in place, cement is applied to the implant or the bone cut according to the surgeon's usual practice.

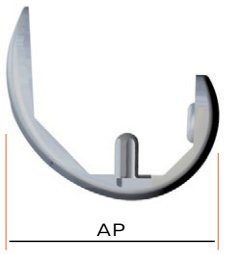
The implant is then placed in the three holes and pressure is applied using the patella clamp with cement nozzle.

The femoral impactor is used only to insert the trial and definitive implant.



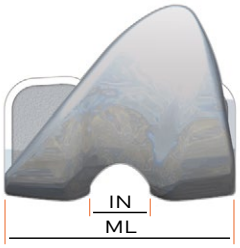
IMPLANT DIMENSIONS

Unit: mm



FEMUR

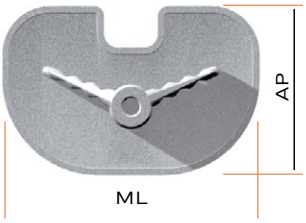
	1*	2	3	4	5	6	7	8
Anteroposterior (AP)	53,5	57,5	61,5	63,5	65,5	67,5	70	74
Mediolateral (ML)	53,5	57	61,0	65,0	68,5	72,0	74,0	81,5
Intercondylar notch (IN)	16,5	16,5	17,0	17,5	18,0	18,5	19,0	19,5



* Size 1 is in the Madison range

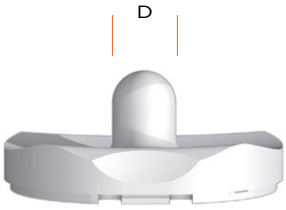
TIBIA

	1	2	3	4	5	6	7	8
Anteroposterior (AP)	40,5	43,5	46,5	49,5	52,5	54,0	56,0	59,5
Mediolateral (ML)	61,5	66,0	70,5	75,0	80,0	82,5	85,5	90,5



PS TIBIAL INSERTS

	1	2	3	4	5	6	7	8
Thickness	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14
PS peg (D)	15	15	15,5	16	16,5	17	17,5	18



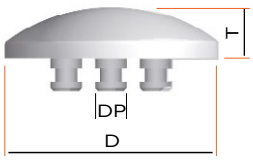
UC TIBIAL INSERTS

	1	2	3	4	5	6	7	8
Thickness (T)	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14	10 12 14

** Please check product availability with your local representative.

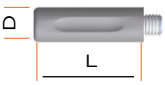
PATELLA

DIAMETER	30	33	36	39
Peg diameter	5	5	5	5
Thickness (T)	8 10	8 10	8 10	8 10



TIBIAL RODS

DIAMETER	11
Length (L)	35 55



IMPLANT SIZES

Insert size

MOBILE CONFIGURATION

FEMORAL COMPONENT SIZE

TIBIAL BASEPLATE SIZE	1*	2	3	4	5	6	7	8
1	1	1 2	2					
2	1 2	2	2 3	3				
3		2 3	3	3 4	4			
4			3 4	4	4 5	5		
5				4 5	5	5 6	6	
6					5 6	6	6 7	7
7						6 7	7	7 8
8							7 8	8

* Size 1 is in the **MADISON** range

Important:
When you use a tibial baseplate two sizes smaller than the femur, the insert must be one size bigger than the tibial baseplate.

FIXED CONFIGURATION

FEMORAL COMPONENT SIZE

TIBIAL BASEPLATE SIZE	1*	2	3	4	5	6	7	8
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	7
8							8	8

* Size 1 is in the **MADISON** range

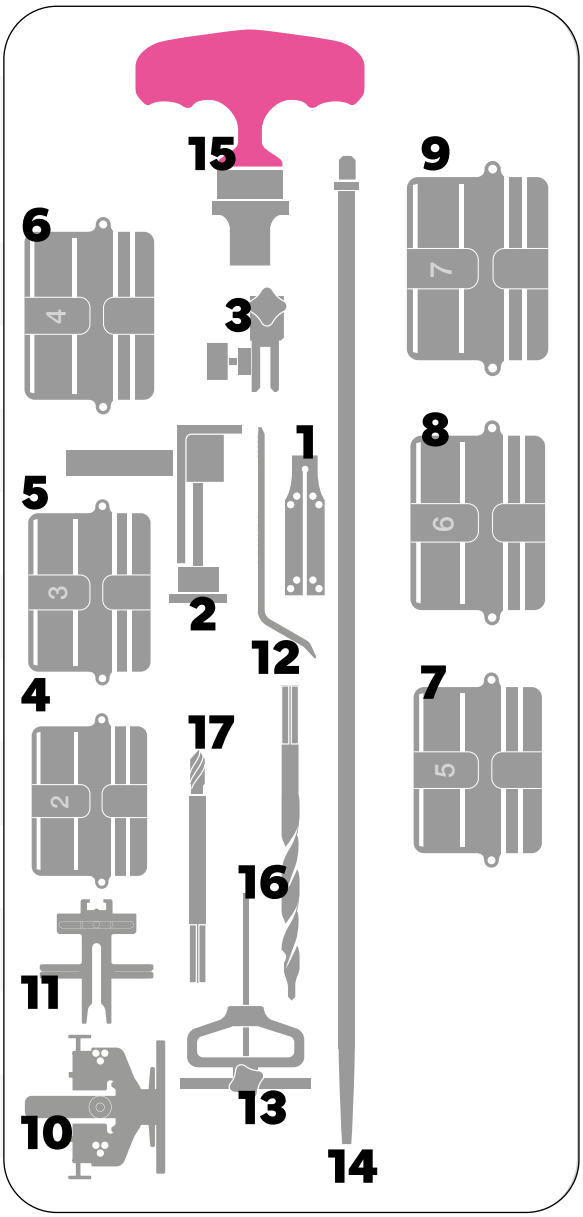
The patella components are all compatible with the range of femoral components.

INSTRUMENTATION

MADISON EVO

BOX 1

NO	QTY	DESCRIPTION
1	1	540009 - Distal femoral cutting guide
2	1	**540010** - Femoral valgisation guide
3	1	540011 - Distal femoral cutting guide support
4	1	**540376** - 4-in-1 semi-open cutting guide, S2
5	1	540377 - 4-in-1 semi-open cutting guide, S3
6	1	**540378** - 4-in-1 semi-open cutting guide, S4
7	1	540379 - 4-in-1 semi-open cutting guide, S5
8	1	**540380** - 4-in-1 semi-open cutting guide, S6
9	1	540381 - 4-in-1 semi-open cutting guide, S7
10	1	**540530** - Femoral/rotation Evo Sizer - Base
11	1	540531 - Femoral/rotation Evo Sizer - Support
12	1	**540532** - Femoral/rotation Evo Sizer - Stylus
13	1	540041 - Whiteside's line angle finder
14	1	**540043** - Centromedullary rod, dia. 8 mm
15	1	540044 - Hudson femoral drill, 8 mm
16	1	**540396** - Hudson femoral drill, 8 mm
17	1	540398 - Hudson femoral peg drill, 6 mm



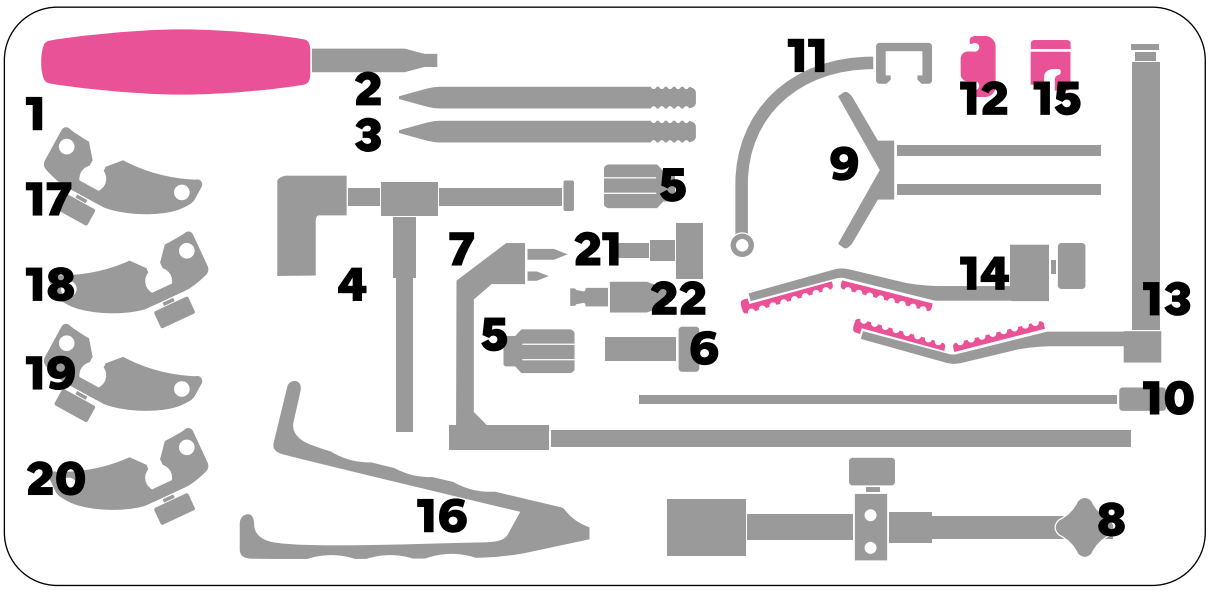
BOX 2 TOP

"ML cutting guide" composition

No	QTY	DESCRIPTION
1	1	540137 - Hex screwdriver, dia. 5 mm
2	1	540550 - EVO tibial stylus, 2 mm
3	1	540551 - EVO tibial stylus, 10 mm
4	1	540112 - Tibial intramedullary alignment
5	1	540113 - Height adjustment knob
6	1	540115 - Rod adaptor, dia. 8 mm
7	1	540124 - Extramedullary pole
8	1	540125 - Extramedullary alignment support
9	1	540126 - V-shaped extramedullary positioner
10	1	540127 - Short distal tibial alignment rod
11	1	540128 - Removable distal tibial alignment arch
12	1	540129 - V-shaped tibial positioner stop
13	1	540130 - Malleolar clamp, part 1/2
14	1	540131 - Malleolar clamp, part 2/2
15	1	540132 - Malleolar clamp stop
16	1	540173 - Fixing pin extractor
17	1	540403 - ML cutting guide, right, 0°
18	1	540404 - ML cutting guide, left, 0°
19	1	540405 - ML cutting guide, right, 4°
20	1	540406 - ML cutting guide, left, 4°
21	1	540549 - EVO tibial stylus support
22	1	540392 - Quick pin connector

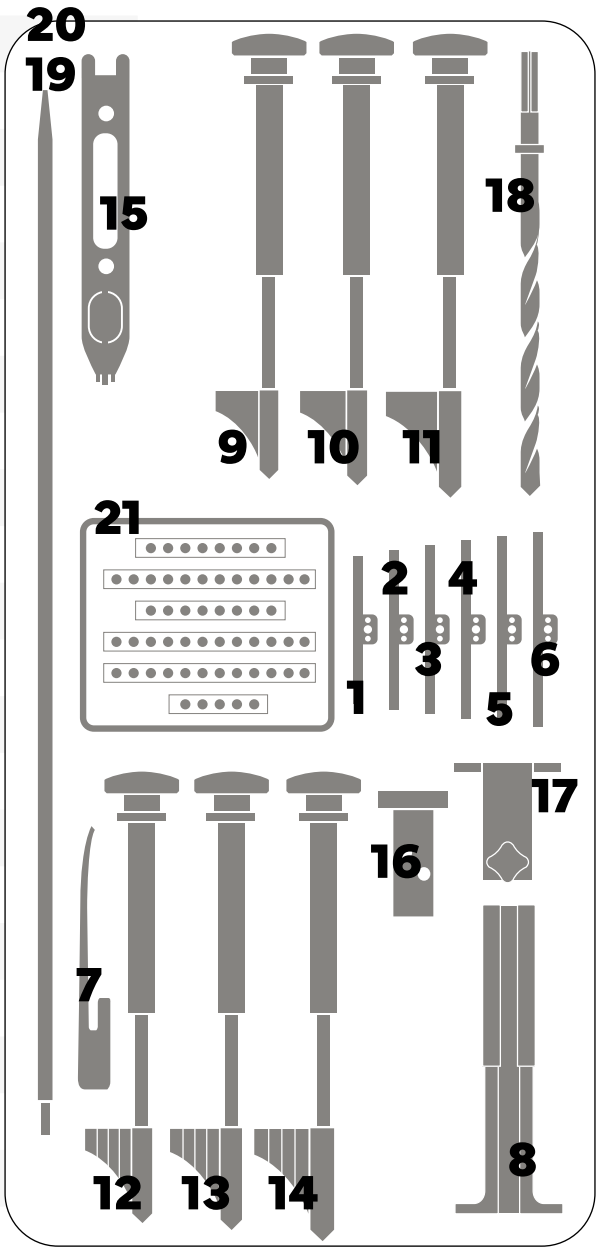
"HEMI GUIDE" composition

No	QTY	DESCRIPTION
1	1	540137 - Hex screwdriver, dia. 5 mm
2	1	540104 - Reference tibial stylus, 2 mm
3	1	540105 - Reference tibial stylus, 10 mm
4	1	540112 - Tibial intramedullary alignment
5	1	540113 - Height adjustment knob
6	1	540115 - Rod adaptor, dia. 8 mm
7	1	540124 - Extramedullary pole
8	1	540125 - Extramedullary alignment support
9	1	540126 - V-shaped extramedullary positioner
10	1	540127 - Short distal tibial alignment rod
11	1	540128 - Removable distal tibial alignment arch
12	1	540129 - V-shaped tibial positioner stop
13	1	540130 - Malleolar clamp, part 1/2
14	1	540131 - Malleolar clamp, part 2/2
15	1	540132 - Malleolar clamp stop
16	1	540173 - Fixing pin extractor
17	1	540106 - Tibial cutting guide, left, 4°
18	1	540108 - Tibial cutting guide, right, 0°
19	1	540109 - Tibial cutting guide, left, 0°
20	1	540110 - Tibial cutting guide, right, 4°
21	1	540111 - Tibial stylus guide
22	1	540392 - Quick pin connect



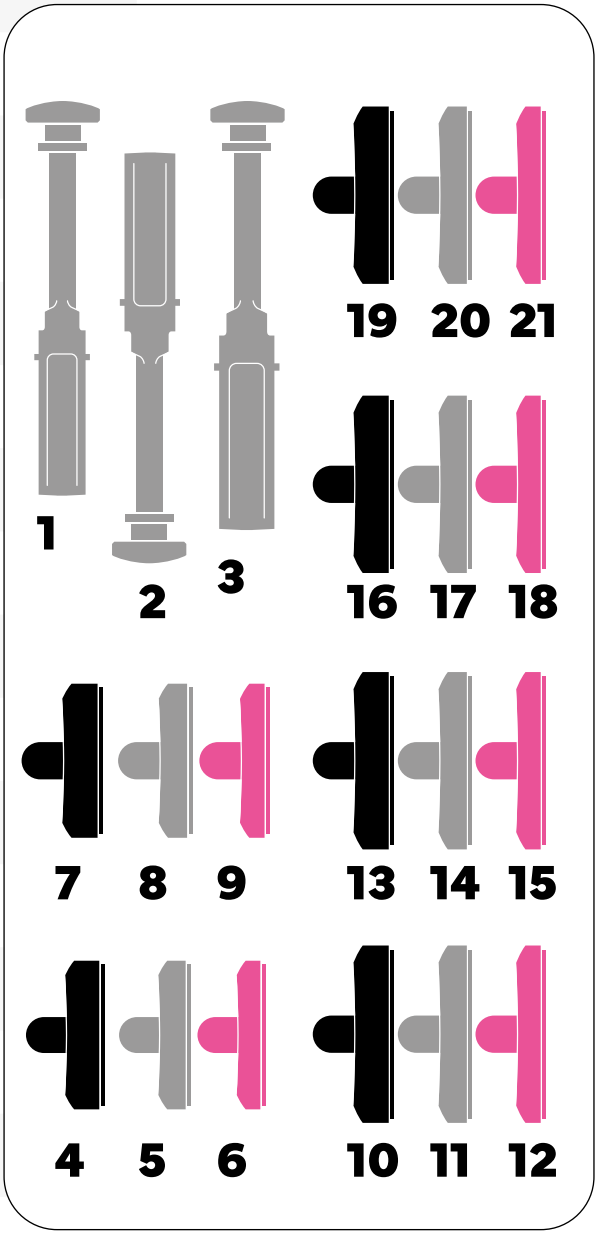
BOX 2 BOTTOM

No	QTY	DESCRIPTION
1	1	540002 - Trial tibial baseplate, S2
2	1	**540003** - Trial tibial baseplate, S3
3	1	540004 - Trial tibial baseplate, S4
4	1	**540005** - Trial tibial baseplate, S5
5	1	540006 - Trial tibial baseplate, S6
6	1	**540007** - Trial tibial baseplate, S7
7	1	540107 - Resection test plate
8	1	**540116** - Tibial keel impactor pillar
9	1	540117 - Press-fit pin impactor, S1-2
10	1	**540118** - Press-fit pin impactor, S3-4-5
11	1	540119 - Press-fit pin impactor, S6-7-8
12	1	**540120** - Cemented pin impactor, S1-2
13	1	540121 - Cemented pin impactor, S3-4-5
14	1	**540122** - Cemented pin impactor, S6-7-8
15	1	540370 - Tibial trial gripper/extractor
16	1	**540138** - Tibial drill bushing
17	1	540139 - Tibial drill bushing base
18	1	**540397** - Hudson femoral drill, 11 mm
19	1	540141 - External alignment rod 1
20	1	**540282** - External alignment rod 2
	1	540283 - Pin box
	1	**540284** - Pin box cover
	3	540162 - Fixing nail, dia. 3.2 mm, L1
	3	**540163** - Fixing nail, dia. 3.2 mm, L2
21	3	540165 - Fixing pin, dia. 3.2 mm, L2
	3	**540393** - Quick connect twist pin, L1
	3	540394 - Quick connect twist pin, L2
	3	**540395** - Quick connect twist pin, L3
	1	540402 - Drill bit, 3.2 mm, AO connection



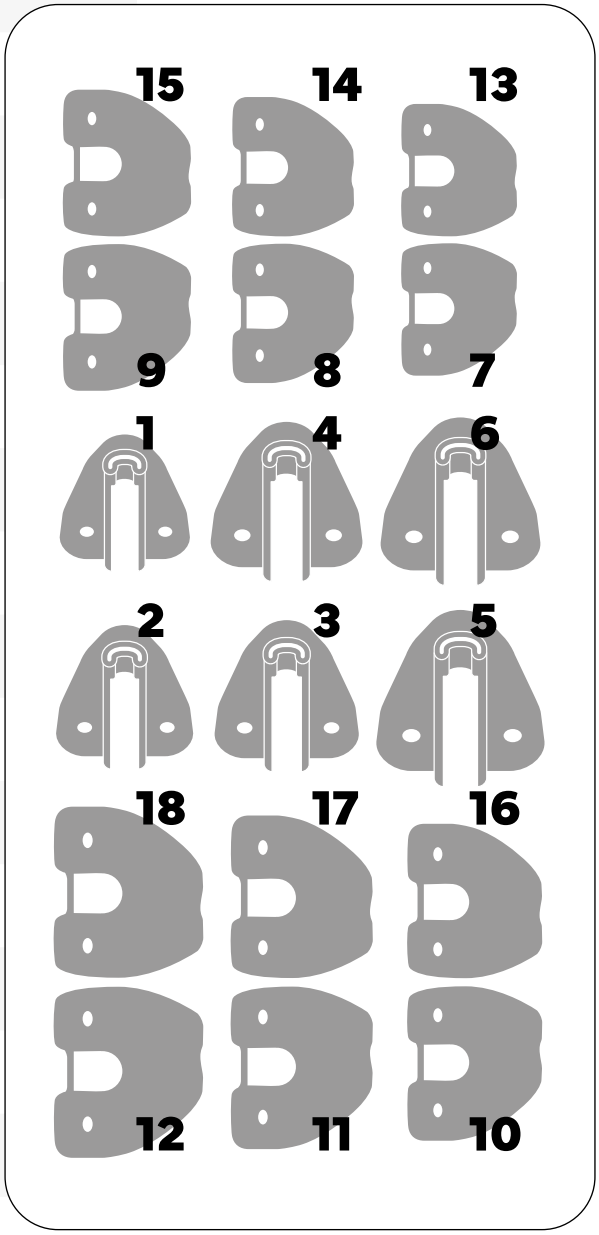
BOX 3 TOP

No	QTY	DESCRIPTION
1	1	540036 - PS cage chisel, N°1
2	1	**540037** - PS cage chisel, N°2
3	1	540038 - PS cage chisel, N°3
4	1	**540211** - PS trial insert, S2 - 10 mm
5	1	540212 - PS trial insert, S2 - 12 mm
6	1	**540213** - PS trial insert, S2 - 14 mm
7	1	540214 - PS trial insert, S3 - 10 mm
8	1	**540215** - PS trial insert, S3 - 12 mm
9	1	540216 - PS trial insert, S3 - 14 mm
10	1	**540217** - PS trial insert, S4 - 10 mm
11	1	540218 - PS trial insert, S4 - 12 mm
12	1	**540219** - PS trial insert, S4 - 14 mm
13	1	540220 - PS trial insert, S5 - 10 mm
14	1	**540221** - PS trial insert, S5 - 12 mm
15	1	540222 - PS trial insert, S5 - 14 mm
16	1	**540223** - PS trial insert, S6 - 10 mm
17	1	540224 - PS trial insert, S6 - 12 mm
18	1	**540225** - PS trial insert, S6 - 14 mm
19	1	540226 - PS trial insert, S7 - 10 mm
20	1	**540227** - PS trial insert, S7 - 12 mm
21	1	540228 - PS trial insert, S7 - 14 mm



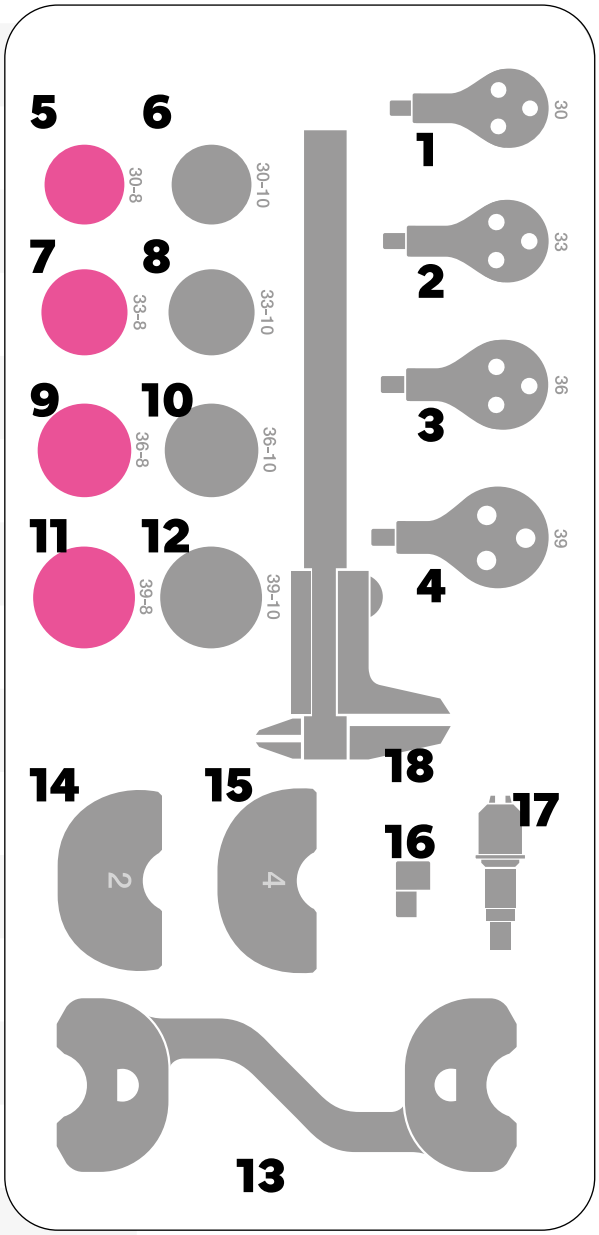
BOX 3 BOTTOM

No	QTY	DESCRIPTION
1	1	540029 - PS cage cutting guide, S2
2	1	**540030** - PS cage cutting guide, S3
3	1	540031 - PS cage cutting guide, S4
4	1	**540032** - PS cage cutting guide, S5
5	1	540033 - PS cage cutting guide, S6
6	1	**540034** - PS cage cutting guide, S7
7	1	540500 - PS trial EVO femur, S2, Right
8	1	**540501** - PS trial EVO femur, S3, Right
9	1	540502 - PS trial EVO femur, S4, Right
10	1	**540503** - PS trial EVO femur, S5, Right
11	1	540504 - PS trial EVO femur, S6, Right
12	1	**540505** - PS trial EVO femur, S7, Right
13	1	540507 - PS trial EVO femur, S2, Left
14	1	**540508** - PS trial EVO femur, S3, Left
15	1	540509 - PS trial EVO femur, S4, Left
16	1	**540510** - PS trial EVO femur, S5, Left
17	1	540511 - PS trial EVO femur, S6, Left
18	1	**540512** - PS trial EVO femur, S7, Left



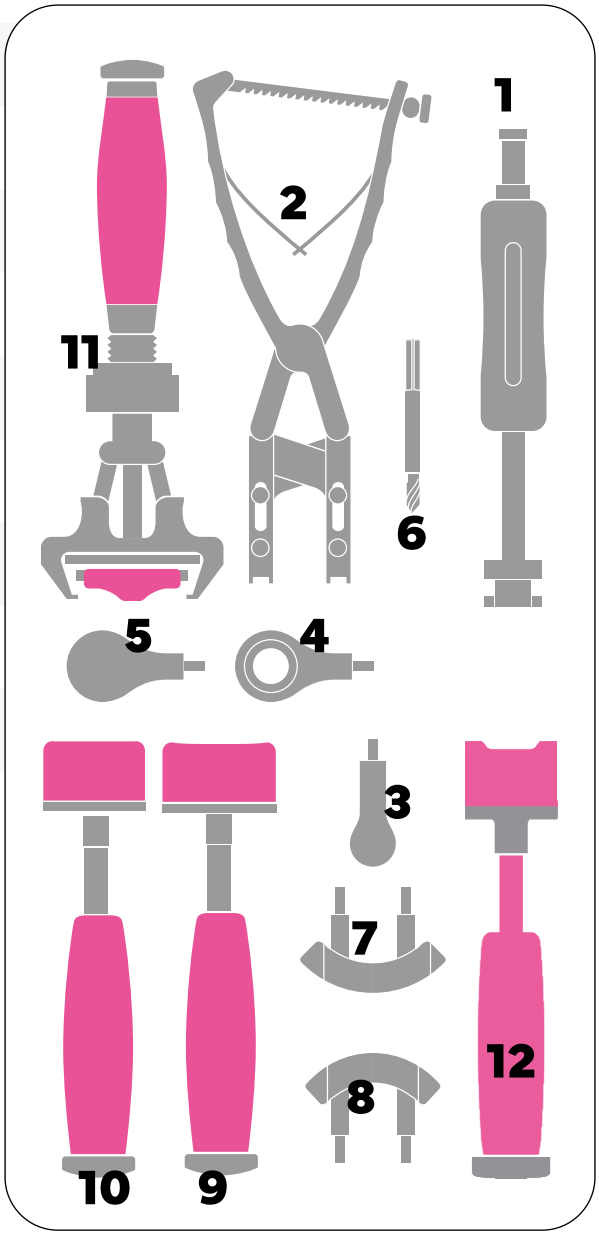
BOX 4 TOP

No	QTY	DESCRIPTION
1	1	540146 - Trial/drilling end fitting 1
2	1	**540147** - Trial/drilling end fitting 2
3	1	540148 - Trial/drilling end fitting 3
4	1	**540149** - Trial/drilling end fitting 4
5	1	540256 - Trial patella, 30/8 mm
6	1	**540257** - Trial patella, 30/10 mm
7	1	540258 - Trial patella, 33/8 mm
8	1	**540259** - Trial patella, 33/10 mm
9	1	540260 - Trial patella, 36/8 mm
10	1	**540261** - Trial patella, 36/10 mm
11	1	540262 - Trial patella, 39/8 mm
12	1	**540263** - Trial patella, 39/10 mm
13	1	540361 - Flex-ext base plate
14	1	**540362** - Spacer, 2 mm
15	1	540363 - Spacer, 4 mm
16	1	**540371** - Alignment rod sleeve
17	1	540418 - Hudson adaptor mandrel
18	1	**540960** - Townley calliper



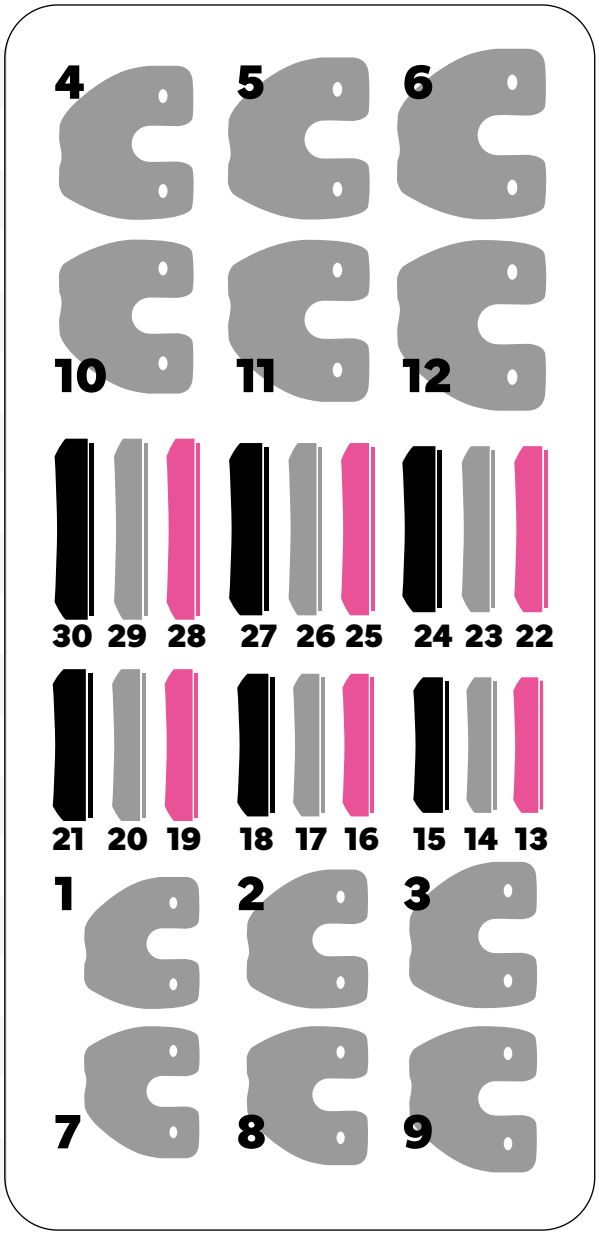
BOX 4 BOTTOM

No	QTY	DESCRIPTION
1	1	540172 - Universal extractor
2	1	**540142** - Patella clamp
3	1	540143 - Plate with central pin
4	1	**540150** - Plate for patella cementing
5	1	540153 - Patella plate with pins
6	1	**540399** - Hudson patella peg drill, 5 mm
7	1	540158 - Resection block, 8 mm
8	1	**540159** - Resection block, 10 mm
9	1	540135 - Femoral impactor
10	1	**540133** - Baseplate impactor and tibial insert
11	1	540045 - Trial and implant femoral impactor
12	1	**540134** - Universal impactor



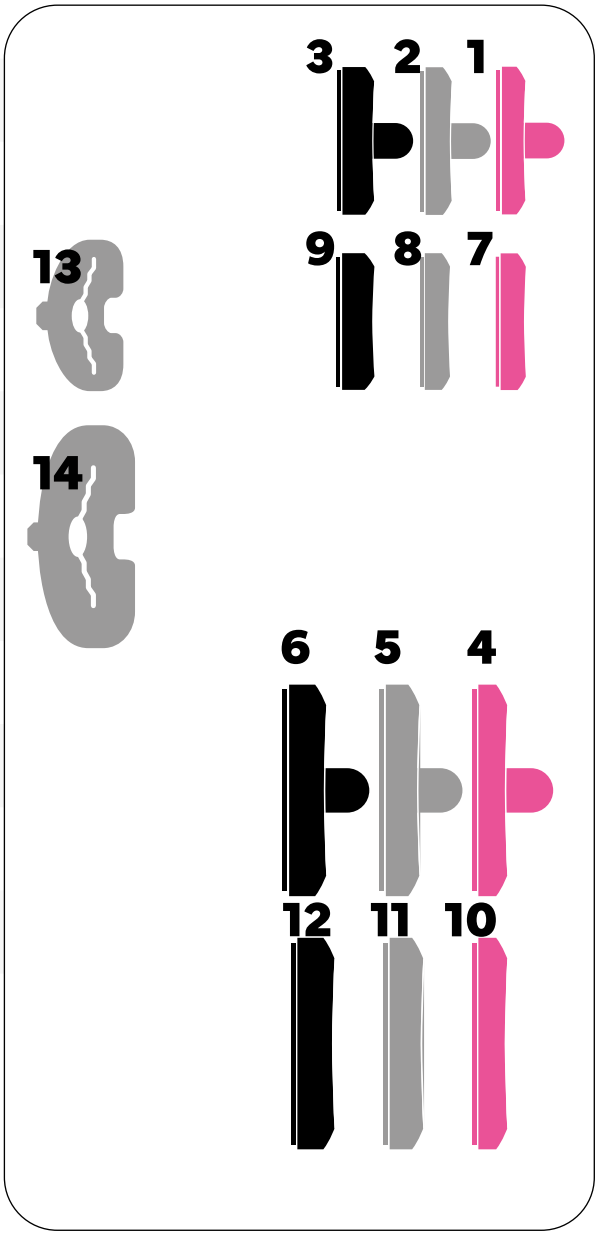
BOX 5

No	QTY	DESCRIPTION
1	1	540514 - CR trial EVO femur, S2, Right
2	1	540515 - CR trial EVO femur, S3, Right
3	1	540516 - CR trial EVO femur, S4, Right
4	1	540517 - CR trial EVO femur, S5, Right
5	1	540518 - CR trial EVO femur, S6, Right
6	1	540519 - CR trial EVO femur, S7, Right
7	1	540521 - CR trial EVO femur, S2, Left
8	1	540522 - CR trial EVO femur, S3, Left
9	1	540523 - CR trial EVO femur, S4, Left
10	1	540524 - CR trial EVO femur, S5, Left
11	1	540525 - CR trial EVO femur, S6, Left
12	1	540526 - CR trial EVO femur, S7, Left
13	1	540288 - UC trial insert, S2 - 10 mm
14	1	540289 - UC trial insert, S2 - 12 mm
15	1	540290 - UC trial insert, S2 - 14 mm
16	1	540291 - UC trial insert, S3 - 10 mm
17	1	540292 - UC trial insert, S3 - 12 mm
18	1	540293 - UC trial insert, S3 - 14 mm
19	1	540294 - UC trial insert, S4 - 10 mm
20	1	540295 - UC trial insert, S4 - 12 mm
21	1	540296 - UC trial insert, S4 - 14 mm
22	1	540297 - UC trial insert, S5 - 10 mm
23	1	540298 - UC trial insert, S5 - 12 mm
24	1	540299 - UC trial insert, S5 - 14 mm
25	1	540300 - UC trial insert, S6 - 10 mm
26	1	540301 - UC trial insert, S6 - 12 mm
27	1	540302 - UC trial insert, S6 - 14 mm
28	1	540303 - UC trial insert, S7 - 10 mm
29	1	540304 - UC trial insert, S7 - 12 mm
30	1	540305 - UC trial insert, S7 - 14 mm



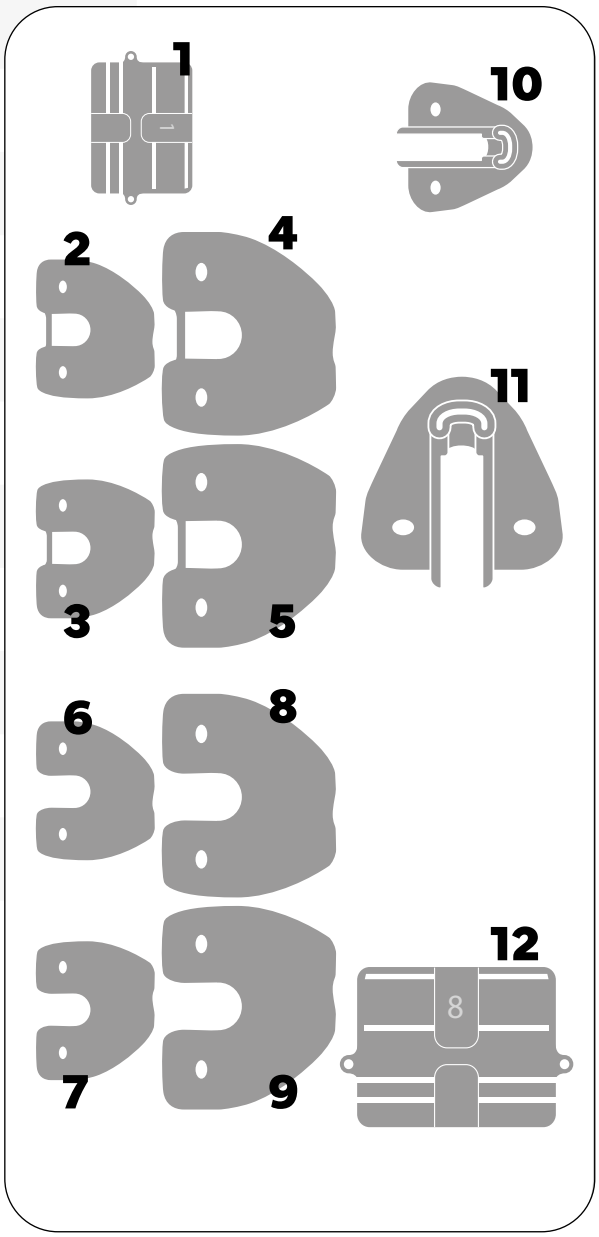
BOX 6 TOP

No	QTY	DESCRIPTION
1	1	540208 - PS trial insert, S1, t. 10 mm
2	1	**540209** - PS trial insert, S1, t. 12 mm
3	1	540210 - PS trial insert, S1, t. 14 mm
4	1	**540229** - PS trial insert, S8, t. 10 mm
5	1	540230 - PS trial insert, S8, t. 12 mm
6	1	**540231** - PS trial insert, S8, t. 14 mm
7	1	540285 - UC trial insert, S1, t. 10 mm
8	1	**540286** - UC trial insert, S1, t. 12 mm
9	1	540287 - UC trial insert, S1, t. 14 mm
10	1	**540306** - UC trial insert, S8, t. 10 mm
11	1	540307 - UC trial insert, S8, t. 12 mm
12	1	**540308** - UC trial insert, S8, t. 14 mm
13	1	540001 - Trial tibial baseplate, S1
14	1	**540008** - Trial tibial baseplate, S8



BOX 6 BOTTOM

No	QTY	DESCRIPTION
1	1	540375 - EL semi-open femoral cutting guide, S1
2	1	**540184** - PS trial femur, S1, Left
3	1	540176 - PS trial femur, S1, Right
4	1	**540513** - PS trial EVO femur, S8, Left
5	1	540506 - PS trial EVO femur, S8, Right
6	1	**540200** - CR trial femur, S1, Left
7	1	540192 - CR trial femur, S1, Right
8	1	**540527** - CR trial EVO femur, S8, Left
9	1	540520 - CR trial EVO femur, S8, Right
10	1	**540028** - Cage cutting block, S1
11	1	540035 - Cage cutting block, S8
12	1	**540382** - EL semi-open femoral cutting guide, S8



ADDITIONAL EQUIPMENT

REF.	DESCRIPTION
540610	Fixed insert impactor
Box 1 - Femur preparation	
540168	IM drill - dia. 8mm
540171	6mm femoral peg drill w.stop
540600	Curved osteotome
Box 2 - Tibia preparation	
540140	Tibial preparation drill
540175	Pin and nail motor connector
540367	Twist pin, L1
540368	Twist pain, L2
540434	Varus-valgus tibial alignment
540435	IM tibial alignment slope
540436	Quick tibial knob
540407	Quick tibial knob

REF.	DESCRIPTION
Box 3 - PS trial	
540312	PS trial insert, S2 – 16 mm
540313	PS trial insert, S2 – 18 mm
540314	PS trial insert, S2 – 20 mm
540315	PS trial insert, S3 – 16 mm
540316	PS trial insert, S3 – 18 mm
540317	PS trial insert, S3 – 20 mm
540318	PS trial insert, S4 – 16 mm
540319	PS trial insert, S4 – 18 mm
540320	PS trial insert, S4 – 20 mm
540321	PS trial insert, S5 – 16 mm
540322	PS trial insert, S5 – 18 mm
540323	PS trial insert, S5 – 20 mm
540324	PS trial insert, S6 – 16 mm
540325	PS trial insert, S6 – 18 mm
540326	PS trial insert, S6 – 20 mm
540327	PS trial insert, S7 – 16 mm
540328	PS trial insert, S7 – 18 mm
540329	PS trial insert, S7 – 20 mm

REF.	DESCRIPTION
Box 4 - Patella	
540156	Patella peg drill with stop, dia. 5 mm
540364	Spacer, 6 mm
540365	Spacer, 8 mm
540366	Spacer, 10 mm
540409	Tibial extractor
540452	Rotating patella end fitting
540601	4-in-1 cutting guide impactor
Box 5 - UC trials	
540336	UC trial insert, S2 - 16 mm
540337	UC trial insert, S2 - 18 mm
540338	UC trial insert, S2 - 20 mm
540339	UC trial insert, S3 - 16 mm
540340	UC trial insert, S3 - 18 mm
540341	UC trial insert, S3 - 20 mm
540342	UC trial insert, S4 - 16 mm
540343	UC trial insert, S4 - 18 mm
540344	UC trial insert, S4 - 20 mm
540345	UC trial insert, S5 - 16 mm
540346	UC trial insert, S5 - 18 mm
540347	UC trial insert, S5 - 20 mm
540348	UC trial insert, S6 - 16 mm
540349	UC trial insert, S6 - 18 mm
540350	UC trial insert, S6 - 20 mm
540351	UC trial insert, S7 - 16 mm
540352	UC trial insert, S7 - 18 mm
540353	UC trial insert, S7 – 20 mm

REF.	DESCRIPTION
Box 6 - PS and UC trials 1 and 8	
540309	PS trial insert, S1, t. 16 mm
540310	PS trial insert, S1, t. 18 mm
540311	PS trial insert, S1, t. 20 mm
540330	PS trial insert, S8, t. 16 mm
540331	PS trial insert, S8, t. 18 mm
540332	PS trial insert, S8, t. 20 mm
540333	UC trial insert, S1, t. 16 mm
540334	UC trial insert, S1, t. 18 mm
540335	UC trial insert, S1, t. 20 mm
540354	UC trial insert, S8, t. 16 mm
540355	UC trial insert, S8, t. 18 mm
540356	UC trial insert, S8, t. 20 mm

IMPLANTS

FEMORAL COMPONENTS

LEFT

REF.	DESCRIPTION
Cemented	
140000	Cemented PS femur, S1 L
140300	Cemented PS EVO femur, S 2 L
140301	Cemented PS EVO femur, S 3 L
140302	Cemented PS EVO femur, S 4 L
140303	Cemented PS EVO femur, S 5 L
140304	Cemented PS EVO femur, S 6 L
140305	Cemented PS EVO femur, S 7 L
140306	Cemented PS EVO femur, S 8 L
Cementless	
140016	HA-coated cementless PS femur, S 1 L
140314	HA-coated cementless PS EVO femur, S 2 L
140315	HA-coated cementless PS EVO femur, S 3 L
140316	HA-coated cementless PS EVO femur, S 4 L
140317	HA-coated cementless PS EVO femur, S 5 L
140318	HA-coated cementless PS EVO femur, S 6 L
140319	HA-coated cementless PS EVO femur, S 7 L
140320	HA-coated cementless PS EVO femur, S 8 L

RIGHT

REF.	DESCRIPTION
Cemented	
140008	Cemented PS femur, S 1 R
140307	Cemented PS EVO femur, S 2 R
140308	Cemented PS EVO femur, S 3 R
140309	Cemented PS EVO femur, S 4 R
140310	Cemented PS EVO femur, S 5 R
140311	Cemented PS EVO femur, S 6 R
140312	Cemented PS EVO femur, S 7 R
140313	Cemented PS EVO femur, S 8 R
Cementless	
140024	HA-coated cementless PS femur, S 1 R
140321	HA-coated cementless PS EVO femur, S 2 R
140322	HA-coated cementless PS EVO femur, S 3 R
140323	HA-coated cementless PS EVO femur, S 4 R
140324	HA-coated cementless PS EVO femur, S 5 R
140325	HA-coated cementless PS EVO femur, S 6 R
140326	HA-coated cementless PS EVO femur, S 7 R
140327	HA-coated cementless PS EVO femur, S 8 R

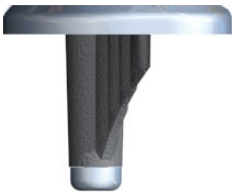
FEMORAL COMPONENTS

LEFT

REF.	DESCRIPTION
Cemented	
140048	Cemented CR femur, S1 L
140328	Cemented CR EVO femur, S 2 L
140329	Cemented CR EVO femur, S 3 L
140330	Cemented CR EVO femur, S 4 L
140331	Cemented CR EVO femur, S 5 L
140332	Cemented CR EVO femur, S 6 L
140333	Cemented CR EVO femur, S 7 L
140334	Cemented CR EVO femur, S 8 L
Cementless	
140064	HA-coated cementless CR femur, S 1 L
140342	HA-coated cementless CR EVO femur, S 2 L
140343	HA-coated cementless CR EVO femur, S 3 L
140344	HA-coated cementless CR EVO femur, S 4 L
140345	HA-coated cementless CR EVO femur, S 5 L
140346	HA-coated cementless CR EVO femur, S 6 L
140347	HA-coated cementless CR EVO femur, S 7 L
140348	HA-coated cementless CR EVO femur, S 8 L

RIGHT

REF.	DESCRIPTION
Cemented	
140056	Cemented CR femur, S 1 R
140335	Cemented CR EVO femur, S 2 R
140336	Cemented CR EVO femur, S 3 R
140337	Cemented CR EVO femur, S 4 R
140338	Cemented CR EVO femur, S 5 R
140339	Cemented CR EVO femur, S 6 R
140340	Cemented CR EVO femur, S 7 R
140341	Cemented CR EVO femur, S 8 R
Cementless	
140072	HA-coated cementless CR femur, S 1 R
140349	HA-coated cementless CR EVO femur, S 2 R
140350	HA-coated cementless CR EVO femur, S 3 R
140351	HA-coated cementless CR EVO femur, S 4 R
140352	HA-coated cementless CR EVO femur, S 5 R
140353	HA-coated cementless CR EVO femur, S 6 R
140354	HA-coated cementless CR EVO femur, S 7 R
140355	HA-coated cementless CR EVO femur, S 8 R



FIXED-BEARING TIBIAL BASEPLATE

REF.	DESCRIPTION
Cemented	
140096	Cemented fixed-bearing tibial baseplate, S1
140097	Cemented fixed-bearing tibial baseplate, S2
140098	Cemented fixed-bearing tibial baseplate, S3
140099	Cemented fixed-bearing tibial baseplate, S4
140100	Cemented fixed-bearing tibial baseplate, S5
140101	Cemented fixed-bearing tibial baseplate, S6
140102	Cemented fixed-bearing tibial baseplate, S7
140103	Cemented fixed-bearing tibial baseplate, S8
Cementless	
140112	HA-coated cementless fixed-bearing tibial baseplate, S1
140113	HA-coated cementless fixed-bearing tibial baseplate, S2
140114	HA-coated cementless fixed-bearing tibial baseplate, S3
140115	HA-coated cementless fixed-bearing tibial baseplate, S4
140116	HA-coated cementless fixed-bearing tibial baseplate, S5
140117	HA-coated cementless fixed-bearing tibial baseplate, S6
140118	Embase tib. fixe ss ciment HA T7
140119	Embase tib. fixe ss ciment HA T8

MOBILE-BEARING TIBIAL BASEPLATE

REF.	DESCRIPTION
Cemented	
140104	Cemented mobile-bearing tibial baseplate, S1
140105	Cemented mobile-bearing tibial baseplate, S2
140106	Cemented mobile-bearing tibial baseplate, S3
140107	Cemented mobile-bearing tibial baseplate, S4
140108	Cemented mobile-bearing tibial baseplate, S5
140109	Cemented mobile-bearing tibial baseplate, S6
140110	Cemented mobile-bearing tibial baseplate, S7
140111	Cemented mobile-bearing tibial baseplate, S8
Cementless	
140120	HA-coated cementless mobile-bearing tibial baseplate, S1
140121	HA-coated cementless mobile-bearing tibial baseplate, S2
140122	HA-coated cementless fixed-bearing tibial baseplate, S3
140123	HA-coated cementless mobile-bearing tibial baseplate, S4
140124	HA-coated cementless mobile-bearing tibial baseplate, S5
140125	HA-coated cementless fixed-bearing tibial baseplate, S6
140126	HA-coated cementless mobile-bearing tibial baseplate, S7
140127	HA-coated cementless mobile-bearing tibial baseplate, S8

PS INSERTS

REF.	DESCRIPTION
Thickness 10 mm	
140155	Universal PS insert, S 1, t. 10 mm
140158	Universal PS insert, S 2, t. 10 mm
140161	Universal PS insert, S 3, t. 10 mm
140164	Universal PS insert, S 4, t. 10 mm
140167	Universal PS insert, S 5, t. 10 mm
140170	Universal PS insert, S 6, t. 10 mm
140173	Universal PS insert, S 7, t. 10 mm
140176	Universal PS insert, S 8, t. 10 mm
Thickness 12 mm	
140156	Universal PS insert, S 1, t. 12 mm
140159	Universal PS insert, S 2, t. 12 mm
140162	Universal PS insert, S 3, t. 12 mm
140165	Universal PS insert, S 4, t. 12 mm
140168	Universal PS insert, S 5, t. 12 mm
140171	Universal PS insert, S 6, t. 12 mm
140174	Universal PS insert, S 7, t. 12 mm
140177	Universal PS insert, S 8, t. 12 mm
Thickness 14 mm	
140157	Universal PS insert, S 1, t. 14 mm
140160	Universal PS insert, S 2, t. 14 mm
140163	Universal PS insert, S 3, t. 14 mm
140166	Universal PS insert, S 4, t. 14 mm
140169	Universal PS insert, S 5, t. 14 mm
140172	Universal PS insert, S 6, t. 14 mm
140175	Universal PS insert, S 7, t. 14 mm
140178	Universal PS insert, S 8, t. 14 mm

UC INSERTS

REF.	DESCRIPTION
Thickness 10 mm	
140203	Universal UC insert, S 1, t. 10 mm
140206	Universal UC insert, S 2, t. 10 mm
140209	Universal UC insert, S 3, t. 10 mm
140212	Universal UC insert, S 4, t. 10 mm
140215	Universal UC insert, S 5, t. 10 mm
140218	Universal UC insert, S 6, t. 10 mm
140221	Universal UC insert, S 7, t. 10 mm
140224	Universal UC insert, S 8, t. 10 mm
Thickness 12 mm	
140204	Universal UC insert, S 1, t. 12 mm
140207	Universal UC insert, S 2, t. 12 mm
140210	Universal UC insert, S 3, t. 12 mm
140213	Universal UC insert, S 4, t. 12 mm
140216	Universal UC insert, S 5, t. 12 mm
140219	Universal UC insert, S 6, t. 12 mm
140222	Universal UC insert, S 7, t. 12 mm
140225	Universal UC insert, S 8, t. 12 mm
Thickness 14 mm	
140205	Universal UC insert, S 1, t. 14 mm
140208	Universal UC insert, S 2, t. 14 mm
140211	Universal UC insert, S 3, t. 14 mm
140214	Universal UC insert, S 4, t. 14 mm
140217	Universal UC insert, S 5, t. 14 mm
140220	Universal UC insert, S 6, t. 14 mm
140223	Universal UC insert, S 7, t. 14 mm
140226	Universal UC insert, S 8, t. 14 mm

PATELLA COMPONENTS

REF.	DESCRIPTION
140144	Cemented patella, Ø30/10
140145	Cemented patella, Ø33/10
140146	Cemented patella, Ø36/10
140147	Cemented patella, Ø39/10
140148	Cemented patella, Ø30/8
140149	Cemented patella, Ø33/8
140150	Cemented patella, Ø36/8
140151	Cemented patella, Ø39/8

TIBIAL EXTENSION RODS*

REF.	DESCRIPTION
140153	Tibial rod, Ø11 mm, l. 35
140154	Tibial rod, Ø11 amm, l. 55

TIBIAL EXTENSION RODS* / option

REF.	DESCRIPTION
140276	Tibial rod, Ø9 mm, l. 35 mm
140277	Tibial rod, Ø9 mm, l. 55 mm
140278	Tibial rod, Ø9 mm, l. 95 mm
140275	Tibial rod, Ø11 mm, l. 95 mm
140279	Tibial rod, Ø13 mm, l. 35 mm
140280	Tibial rod, Ø13 mm, l. 55 mm
140281	Tibial rod, Ø13 mm, l. 95 mm

PS INSERTS** / option

REF.	DESCRIPTION
Thickness 16 mm	
140227	Universal PS insert, S 1, t. 16 mm
140230	Universal PS insert, S 2, t. 16 mm
140233	Universal PS insert, S 3, t. 16 mm
140236	Universal PS insert, S 4, t. 16 mm
140239	Universal PS insert, S 5, t. 16 mm
140242	Universal PS insert, S 6, t. 16 mm
140245	Universal PS insert, S 7, t. 16 mm
Thickness 18 mm	
140228	Universal PS insert, S 1, t. 18 mm
140231	Universal PS insert, S 2, t. 18 mm
140234	Universal PS insert, S 3, t. 18 mm
140237	Universal PS insert, S 4, t. 18 mm
140240	Universal PS insert, S 5, t. 18 mm
140243	Universal PS insert, S 6, t. 18 mm
140246	Universal PS insert, S 7, t. 18 mm
Thickness 20 mm	
140229	Universal PS insert, S 1, t. 20 mm
140232	Universal PS insert, S 2, t. 20 mm
140235	Universal PS insert, S 3, t. 20 mm
140238	Universal PS insert, S 4, t. 20 mm
140241	Universal PS insert, S 5, t. 20 mm
140244	Universal PS insert, S 6, t. 20 mm
140247	Universal PS insert, S 7, t. 20 mm

* Please check product availability with your local representative.
** Some thicknesses are optional. For more details please contact your local representative.

UC** INSERTS / option

REF.	DESCRIPTION
Thickness 16 mm	
140251	Universal UC insert, S 1, t. 16 mm
140254	Universal UC insert, S 2, t. 16 mm
140257	Universal UC insert, S 3, t. 16 mm
140260	Universal UC insert, S 4, t. 16 mm
140263	Universal UC insert, S 5, t. 16 mm
140266	Universal UC insert, S 6, t. 16 mm
140269	Universal UC insert, S 7, t. 16 mm
Thickness 18 mm	
140252	Universal UC insert, S 1, t. 18 mm
140255	Universal UC insert, S 2, t. 18 mm
140258	Universal UC insert, S 3, t. 18 mm
140261	Universal UC insert, S 4, t. 18 mm
140264	Universal UC insert, S 5, t. 18 mm
140267	Universal UC insert, S 6, t. 18 mm
140270	Universal UC insert, S 7, t. 18 mm

REF.	DESCRIPTION
Thickness 20 mm	
140253	Universal UC insert, S 1, t. 20 mm
140256	Universal UC insert, S 2, t. 20 mm
140259	Universal UC insert, S 3, t. 20 mm
140262	Universal UC insert, S 4, t. 20 mm
140265	Universal UC insert, S 5, t. 20 mm
140268	Universal UC insert, S 6, t. 20 mm
140271	Universal UC insert, S 7, t. 20 mm

** Some thicknesses are optional. For more details please contact your local representative.

NOTES

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Before using any product, please read the instructions for use and surgical technique. Refer to the labels and instruction leaflets for the complete list of indications, contraindications, risks, warnings, precautions and instructions for use. Reimbursement status in France: the implants are included on the List of Reimbursable Products and Services (Liste des Produits et Prestations Remboursables, LPPR) referred to in article L165-1 of the Social Security Code and are thus eligible for reimbursement by the health insurance scheme.

CE 0459

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