Orentec

Lospa

Knee System

Lospa

Modular

Instrument

Surgical Technique

Contents

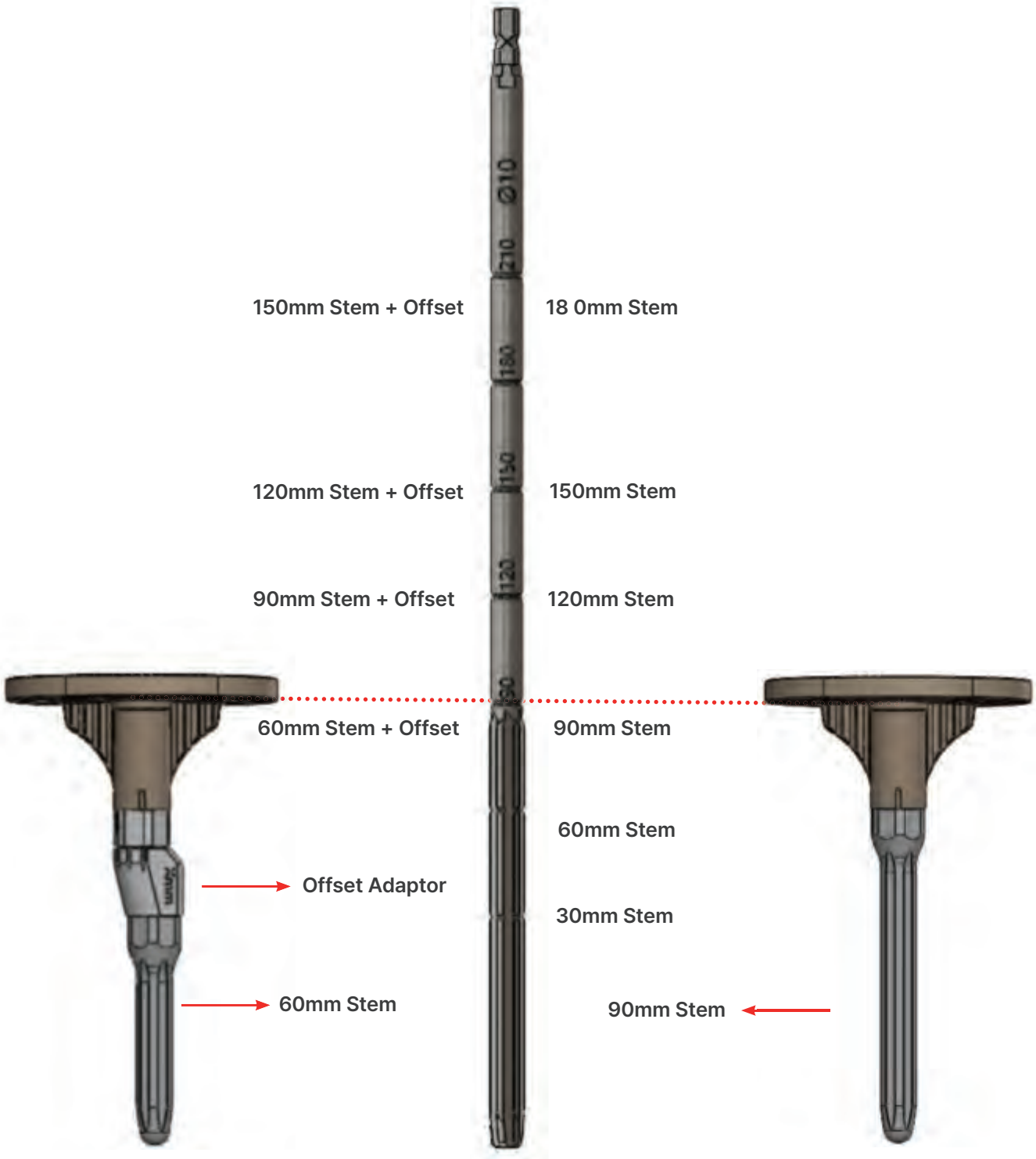
Step 1. Tibial Preparation

Information

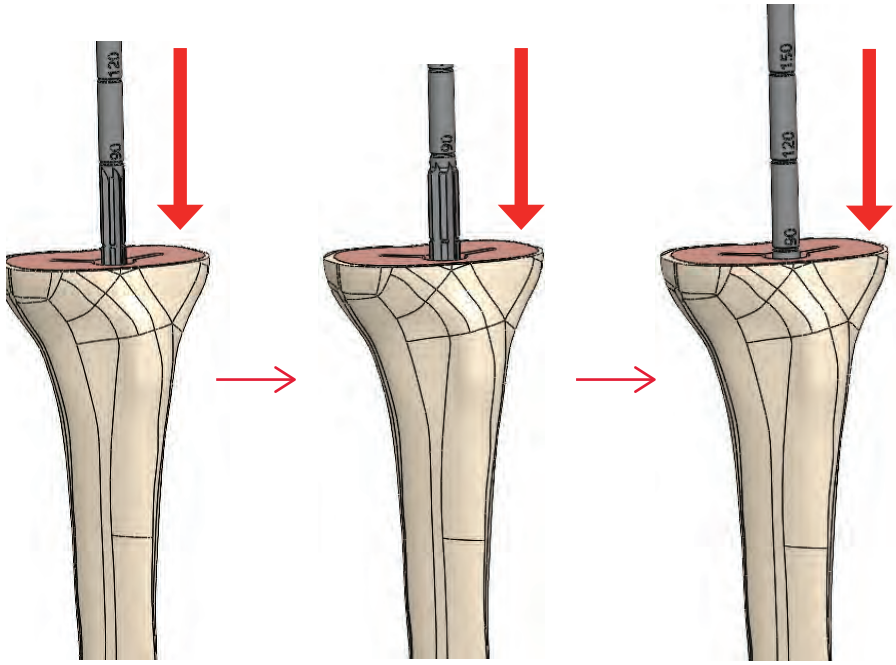
Reamers come in designs:

- ø9~ø18, 1mm increment
- 30~180mm Depth, 30mm increment

(But if you use offset, you cannot use stem extension under 60mm.)



Step 1. Tibial Preparation
1. Tibial Canal Preparation



Assemble the reamer into either T-Handle or Power Equipment.

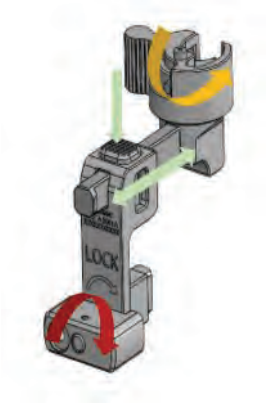
Ream the tibial intramedullary canal using gradually big reamer.

Ream to the desired depth of stem or to a length of fixation preferred for tibial alignment.

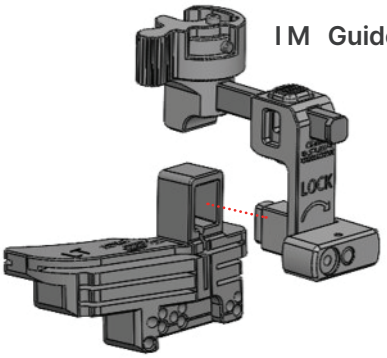
Grooves along the shank of the reamer indicate the stem length.

A tibial offset can be planned for 30mm greater than the desired stem length. (reamer indicate = desired stem length + 30mm offset) (4Page)

2. Tibial Proximal Resection

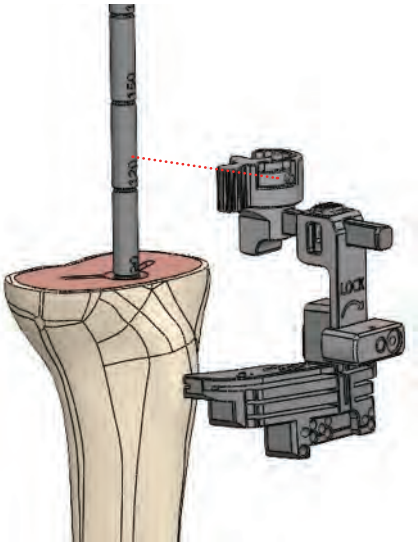


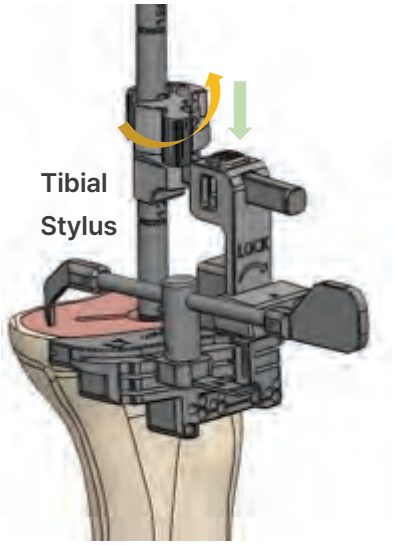
- Tibial Cutting Guide Locking Knob
- IM Rod locking Knob
- A-P Displacement



Tibial Cutting Guide

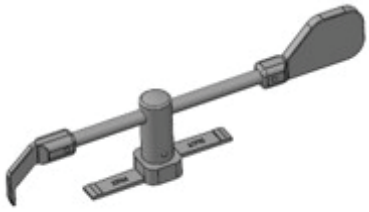
Insert Tibial Cutting Guide to the IM Guide and rotate the locking knob.

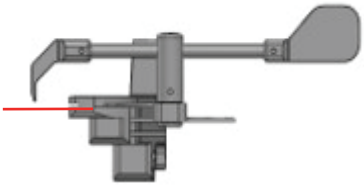




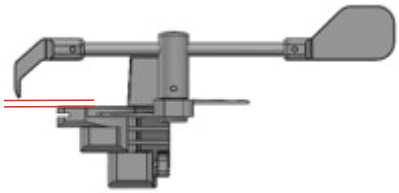
Insert assembly on to IM Rod and adjust AP Displacement simultaneously. And rotate the locking knob, Tibial Stylus can be used to determine trimming level.

INFORMATION



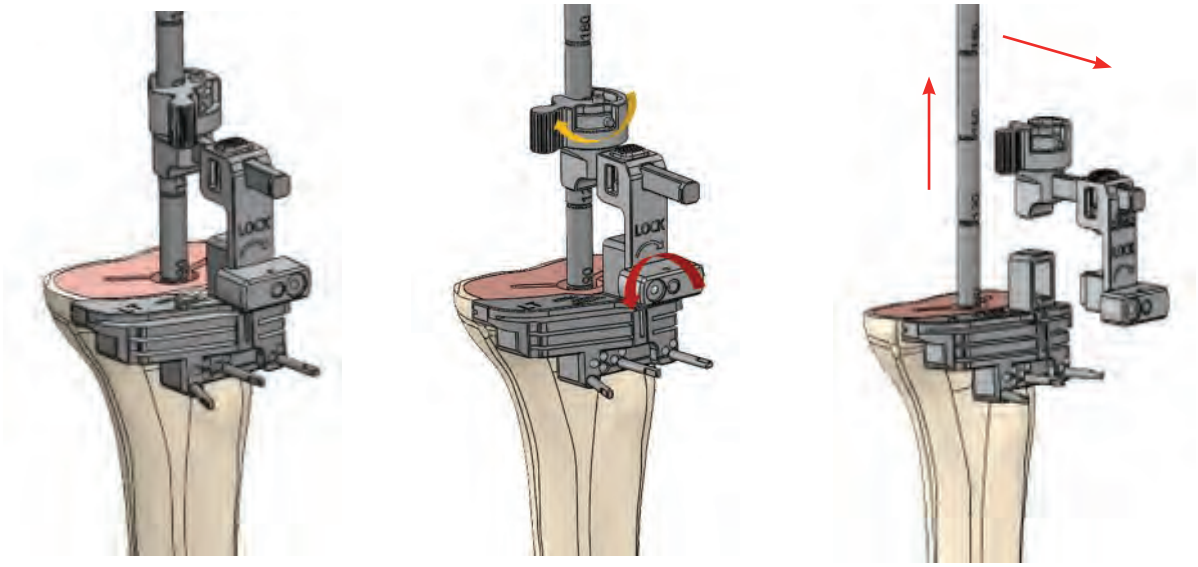


Slot trimming



Freehand trimming

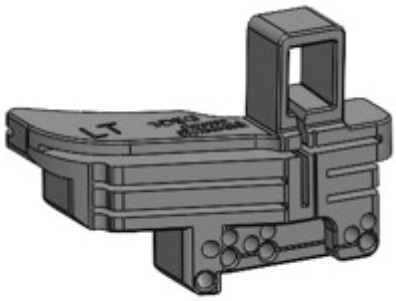
2. Tibial Proximal Resection

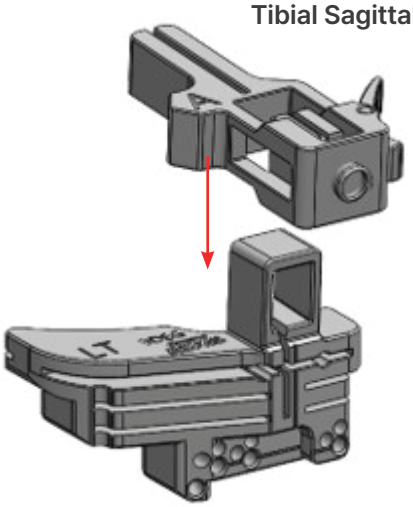


Once Tibial Cutting Guide is firmly secured by pins,
the IM Rod and IM Guide should be removed by rotating the locking knob (▶, ▶)
Remove the IM Guide and Reamer. Make tibial resection.

Information

Tibial Sagittal Cutting Guide





If desired, Medial Augments may be prepared at this point.

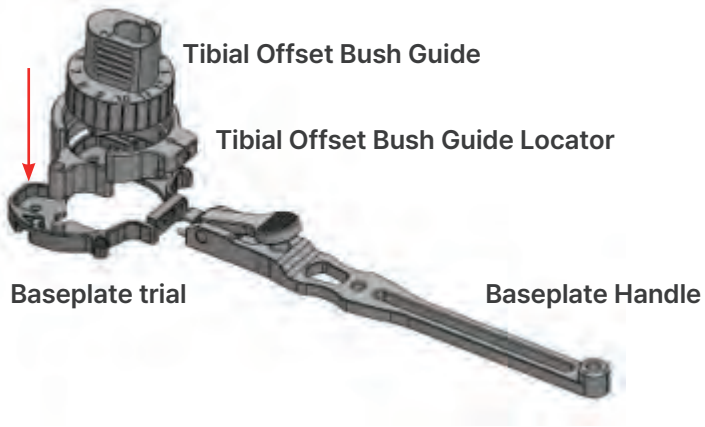
Also, for sagittal cut, Insert the Tibial Sagittal Cutting Guide into the Tibial Cutting Guide.

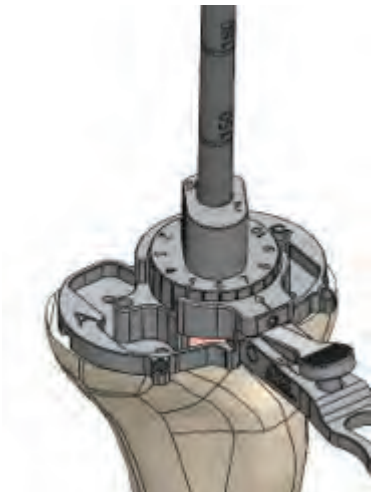
The Vertical slot in the central aspect of the Tibial Cutting Guide may aid in initiating the center line of the Tibial Augment resection.

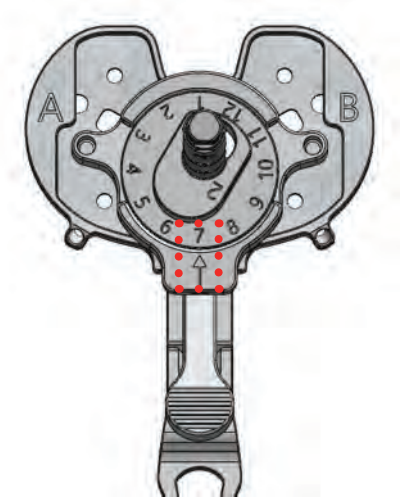
If the reamer diameter is less than 15mm, all pin hole can adjust. But, if the reamer diameter is more than 15mm, broaden pin hole can adjust.

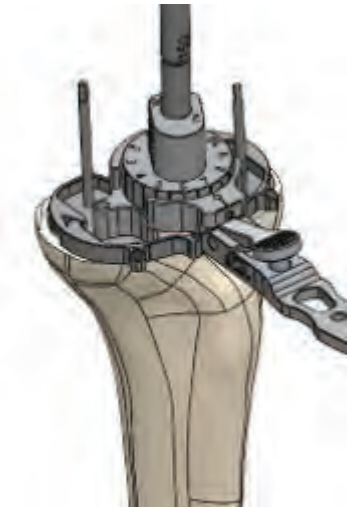
3. Tibial Sizing & Offset Preparation

Assemble the Baseplate Handle into the Tibial Baseplate Trial.
Attach the Tibial Offset Bush Guide Locator and Tibial Offset Bush Guide (0,4 or 2,6mm) to the Tibial Baseplate Trial.









Place the entire assembly over the resected proximal tibia bone.

Rotate the Tibial Offset Bush Guide until optimal coverage of the proximal tibia is achieved with the Tibial Baseplate Trial.

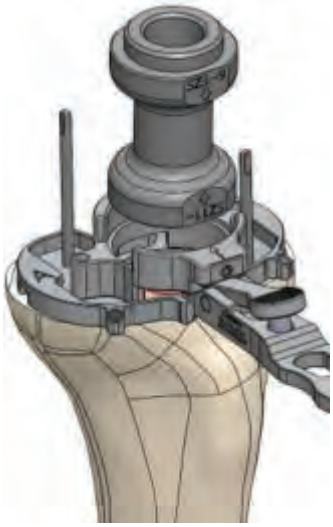
Record the magnitude and position of the tibial offset from the Tibial Offset Bush Guide (e.g. 4mm offset at 7 o'clock).
An offset may not be required to attain optimal tibial coverage.

Insert Headless pins on Tibial Baseplate Trial.

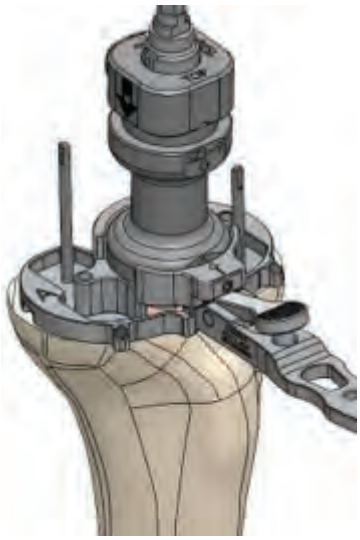
3. Tibial Sizing & Offset Preparation

Option 1. Offset

Tibial Boss Drill Guide

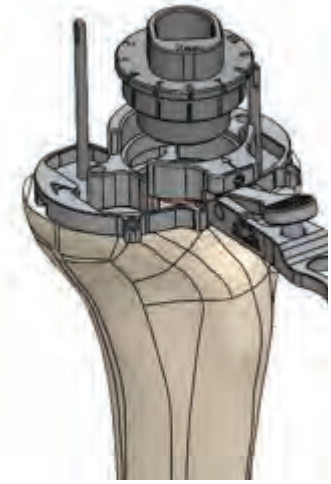


Remove the Tibial Offset Bush Guide and
Attach the Tibial Boss Drill Guide
to the Tibial Offset Bush Guide Locator.



Drill to prepare the stem shape.

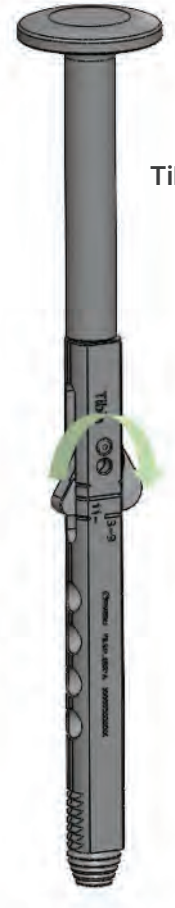
Tibial Offset Broach Guide



Remove the Tibial Boss Drill Guide and
Attach the Tibial Offset Broach Guide to the Tibial Baseplate Trial.

Rotate the knob to adjust appropriate size
and Impacting the Tibial Offset Broach for prepare
offset adaptor shape.

Tibial Offset Broach

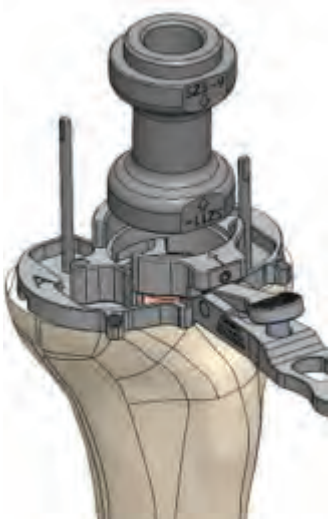


Caution

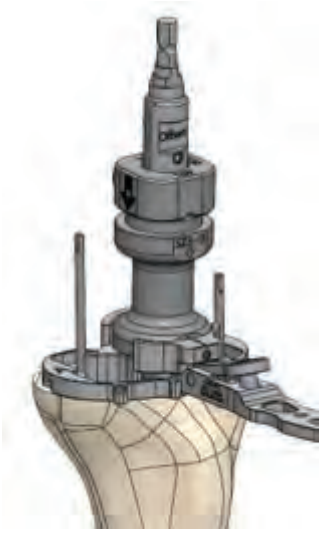
Knob doesn't rotate 360˚

3. Tibial Sizing & Offset Preparation

Option 2. Non-Offset



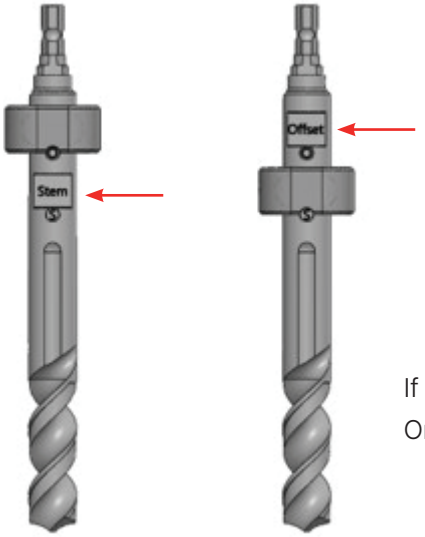
Assemble the Baseplate Handle into the Tibial Baseplate Trial.
Place the Tibial Baseplate Trial over the resected proximal tibia bone to check coverage and insert headless pins.
Attach the Tibial Boss Drill Guide to the Tibial Baseplate Trial.



Drill to prepare the stem shape.

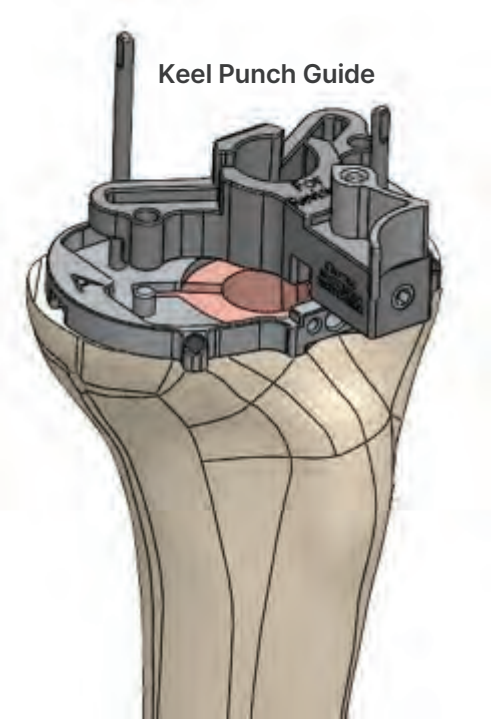
Information

Tibial Offset Broach Guide

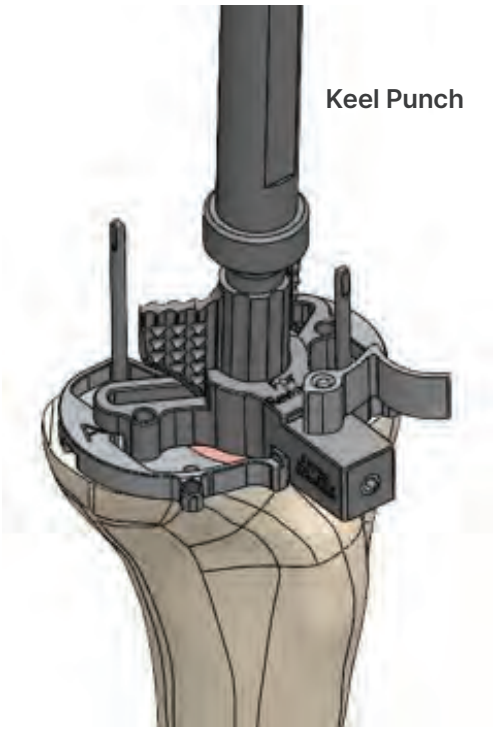


If offset preparation is used, Stopper is located as left side of the picture.
Or not, Stopper is located as right side of the picture.

4. Tibial Finish



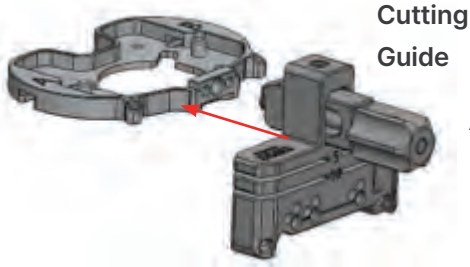
Remove the entire assembly except the Tibial Baseplate Trial.
Attach the Revision Keel Punch Guide to the Tibial Baseplate Trial



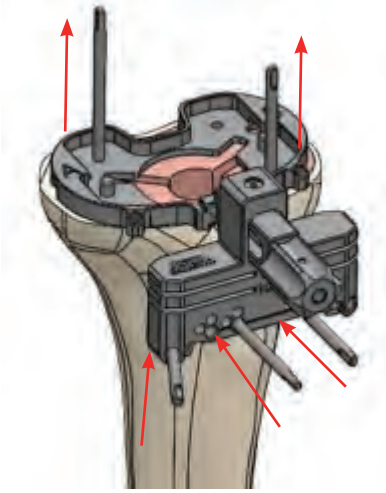
Place the appropriate Tibial Keel Punch into the Keel Punch Guide.
Impact the Tibial Keel Punch by using a mallet.

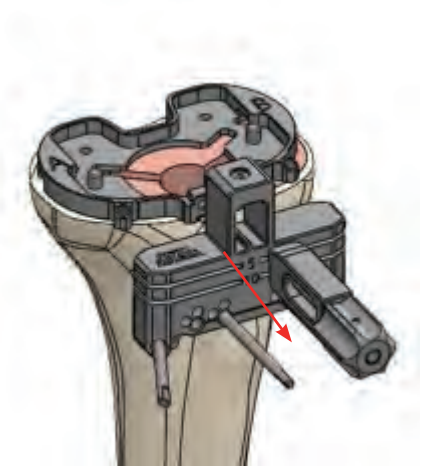
5. Tibial Augment Preparation (Option)

Augment Cutting Guide



Assemble the Augment Cutting Guide into the Tibial Basement Trial.

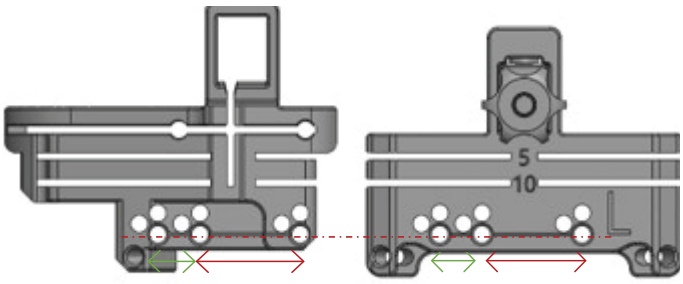




1) Tibia augments are needed with offset.
Note : It can do after making the tibial keel shape or before making the stem shape.
Assemble the Augment Cutting Guide into the Tibial Baseplate Trial.
Insert Headless pins on Augment Cutting Guide and Remove Headless Pins on Baseplate Trial.

2) Tibia augments are needed without offset.
Insert Headless pins to fixation hole marks of Tibial cutting guide on anterior tibia.
Place the entire assembly on tibia proximal through Headless pins.

Information

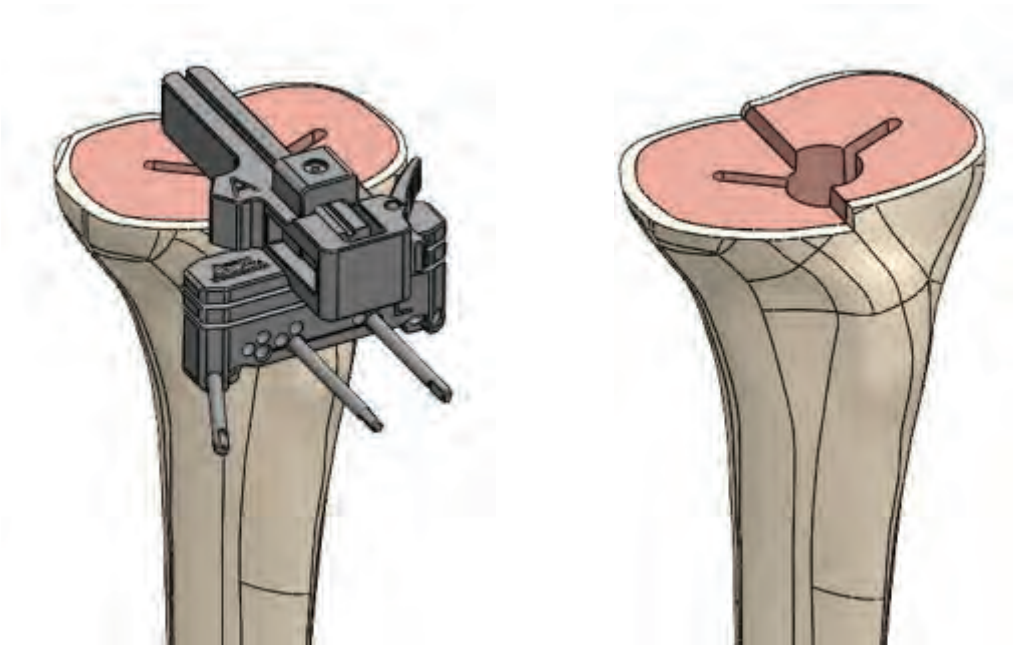


Tibial cutting Guide **Augment cutting Guide**

Pin hole position of the Augment Cutting Guide is same as the Tibial Cutting Guide.

but, when it is used with offset, pin hole position of Augment Cutting Guide is different from the Tibial Cutting Guide.

5. Tibial Augment Preparation (Option)



Insert Tibial Sagittal Cutting Guide on Augment Cutting Guide.
Make the approporiate 5mm or 10mm tibial augment resections.

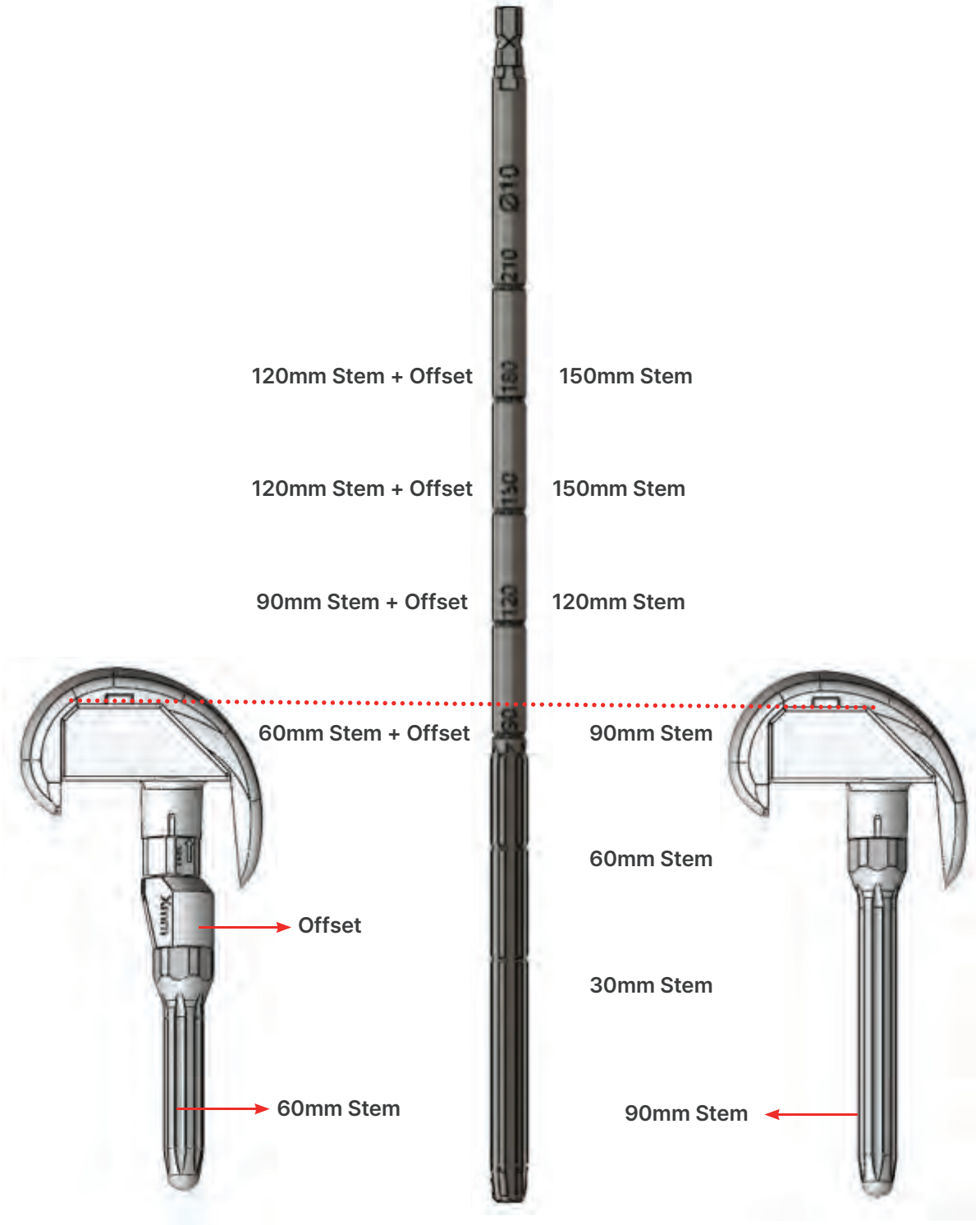
Step 2. Femoral Preparation

Information

Reamers come in designs:

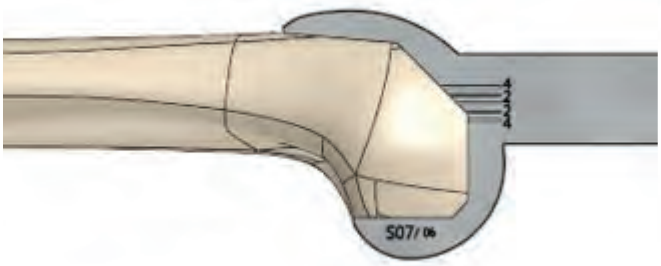
- ø9~ø18, 1mm increment
- 30~180mm Depth, 30mm increment

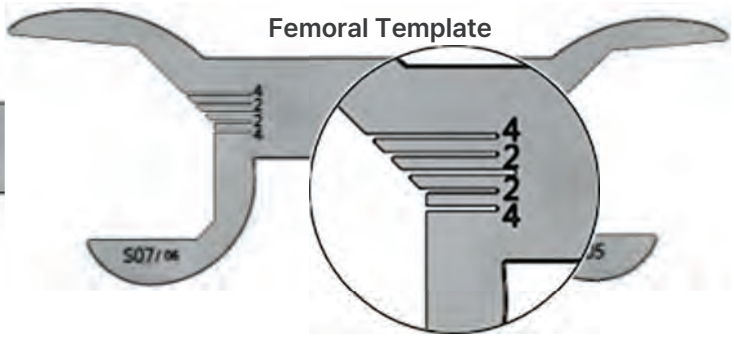
(But if you use offset, you cannot use stem extension under 60mm.)



Step 2. Femoral Preparation

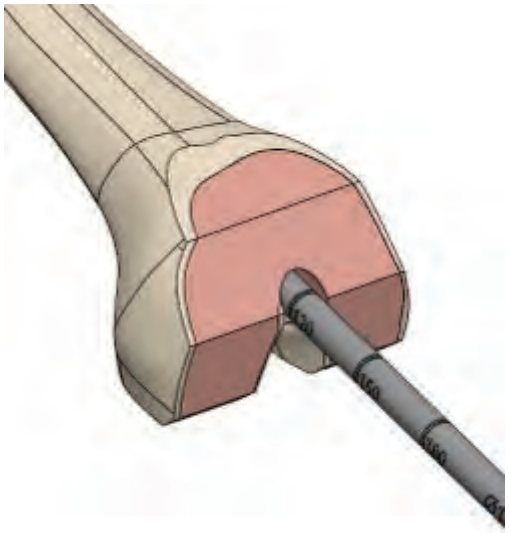
1. Femoral Sizing & Canal Preparation





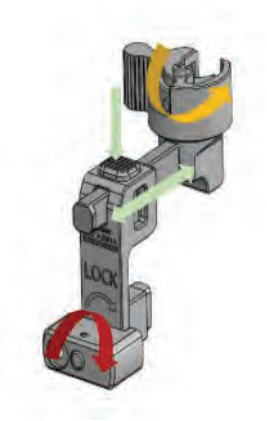
To decide femoral size, match the appropriate Femoral Template up to the femur.

A center long line on the Femoral Template indicate the stem position of the femoral component, while the shorter line above and below represent the stem position of the femoral component with 2mm and 4mm anterior and posterior offsets, respectively.



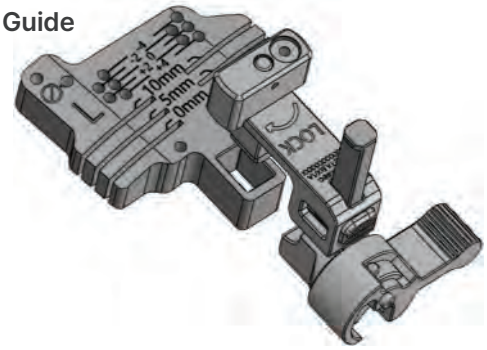
Assemble the Reamer into either the T-handle or power equipment.
Ream the femoral intramedullary canal using gradually big reamer.
Ream to the desired depth of stem or to a length of fixation preferred for femoral alignment.
Grooves along the shank of the reamer indicate the stem length.
A femoral offset can be planned for 30mm greater than the desired stem length.
(reamer indicate = desired stem length + 30mm offset) (15Page)

2. Distal Resection

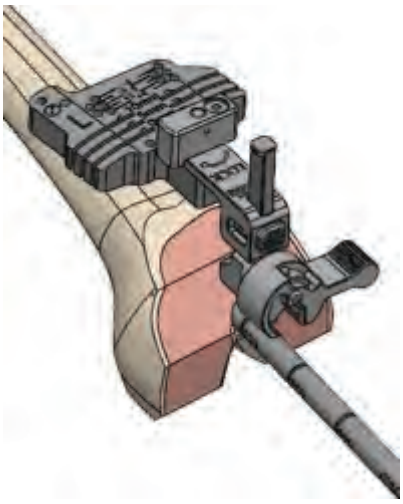


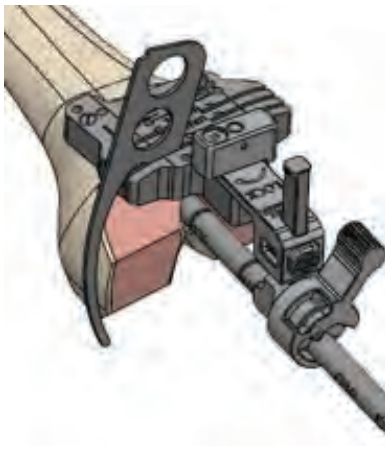
- Distal Cutting Guide Locking Knob
- IM Rod locking Knob
- A-P Displacement

Distal Cutting Guide



IM Guide

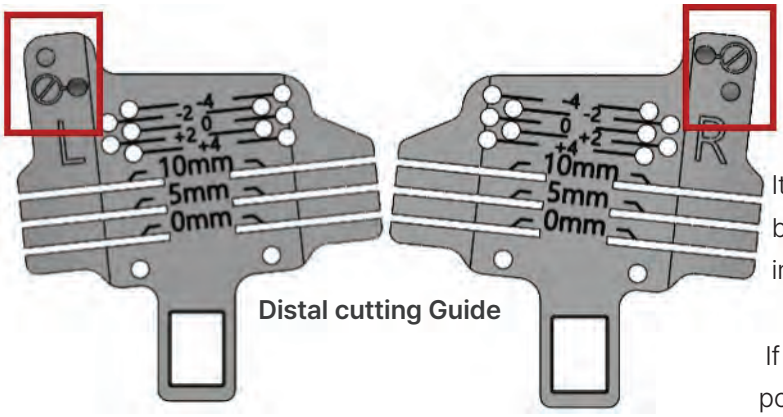




Insert Distal Cutting Guide to the IM Guide and rotate the locking knob (▶).

Insert assembly on to IM Rod and adjust AP Displacement (▶) simultaneously.
And rotate the locking knob (▶).
Angel Wing can be used to determine trimming level.

Information

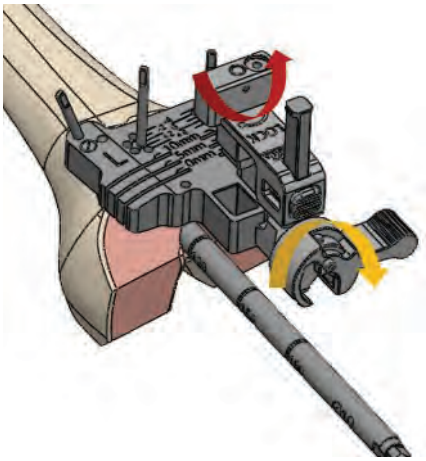


Distal cutting Guide

It use left and right leg in common.
but when you secure the Distal Cutting Guide, insert headless pin where there are not ban mark.

If desired, Distal Augments may be prepared at this point.

2. Distal Resection

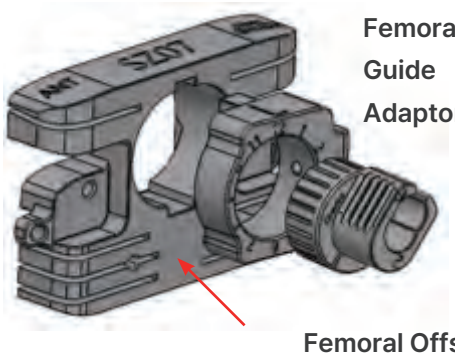


Once Distal Cutting Guide is firmly secured by pins,
the IM Rod and IM Guide should be removed by rotating the locking knob (▶,▶).
Remove the IM Guide and Reamer. Make femur distal resection.

3. Femoral Resection & Rotation

Oprtion1. Offset

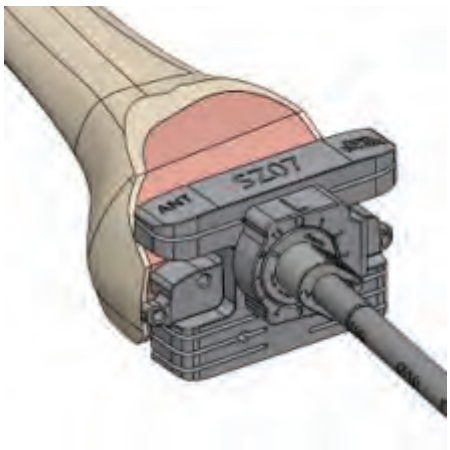
Femoral AP Cutting Guide

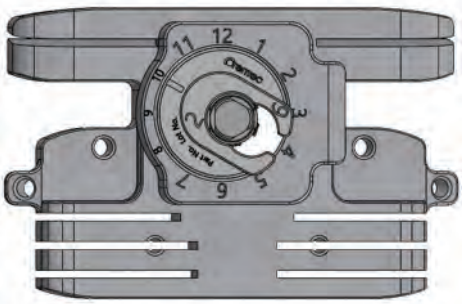


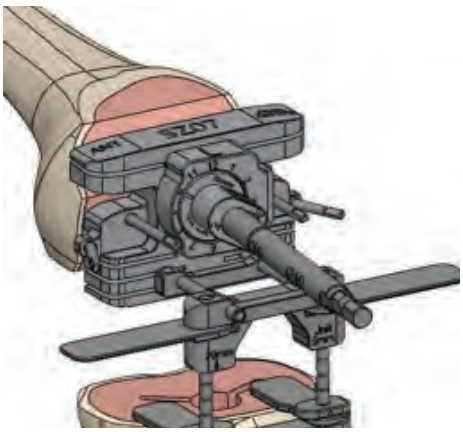
Femoral Guide Adaptor

Femoral Offset Bush Guide

Assemble the Femoral Offset Bush Guide (0,4 or 2,6mm) into the Femoral Guide Adaptor.
Attach the entire assembly to Femoral AP Cutting Guide.





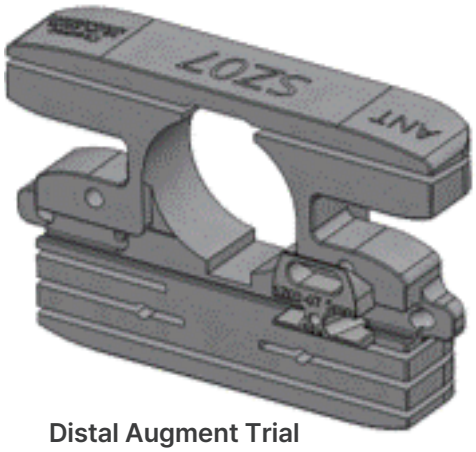


Place the entire assembly over the resected distal femur bone.
Rotate the Femoral Offset Bush Guide until optimal coverage of the distal femur is achieved with the Femoral AP Cutting Guide.
Record the magnitude and position of the femoral offset from the Femoral Offset Bush Guide (e.g. 2mm offset at 10 o'clock).

An offset may not be required to attain optimal femoral coverage.
Insert Headless pins for secure Femoral AP Cutting Guide.
Make femur anterior, posterior resection.
If desired, Posterior Augments may be prepared at this point.

Information

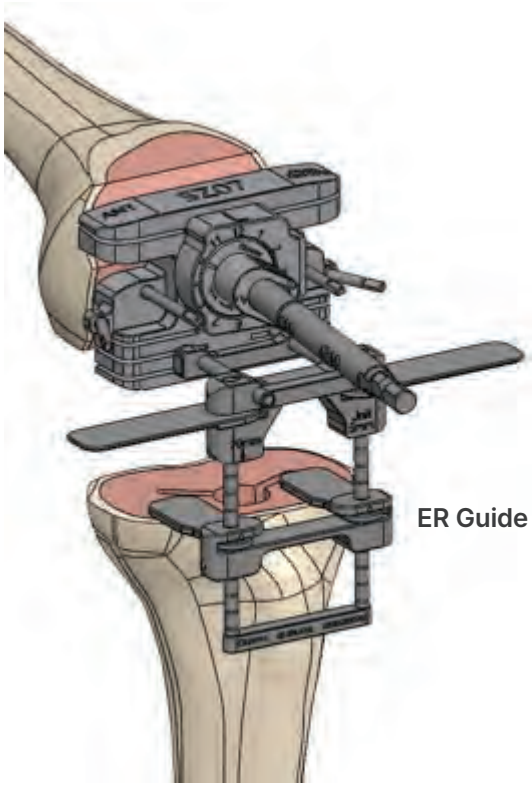
When it has been cut distal augment, only Spacer can be inserted in Femoral AP Cutting Guide.
The posterior (or posterior augment) resection can be performed even after Femoral AP Cutting Guide is combined with Spacer.



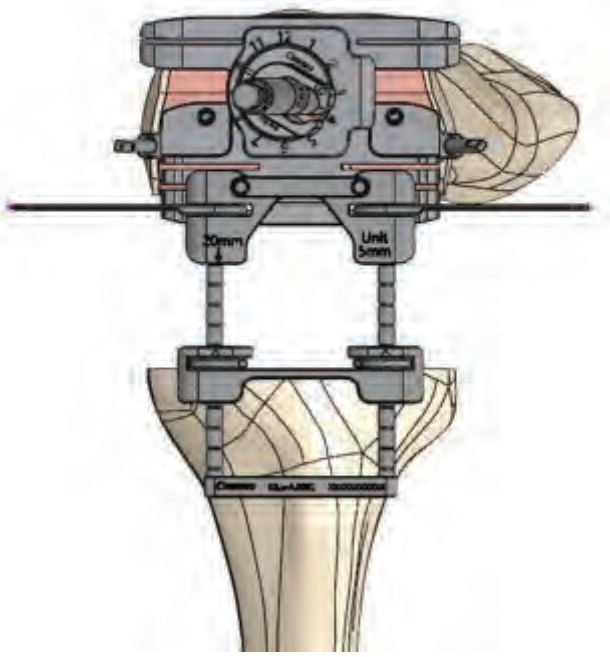
Distal Augment Trial

3. Femoral Resection & Rotation

Oprtion1. Offset

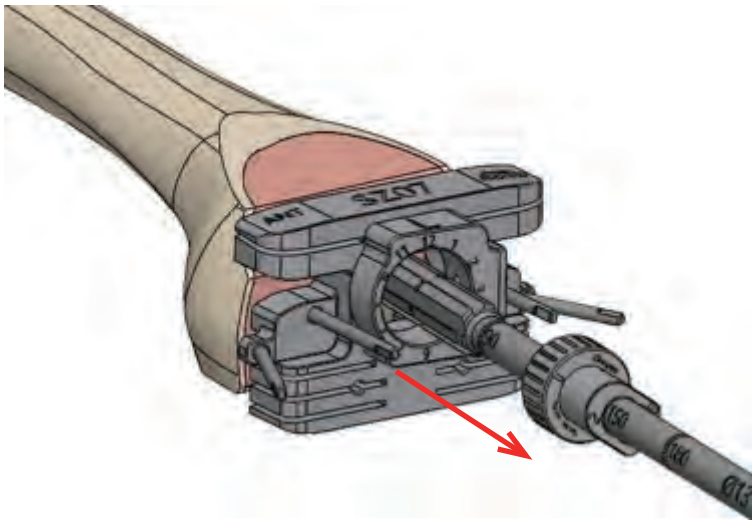


ER Guide



Using the ER Guide for check the Gap and External Rotation.

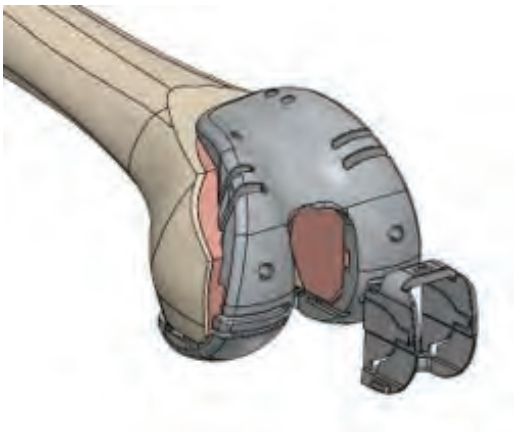
The ER Guide is combined with the AP Cutting Guide, PS Box Cutting Guide, Femoral Component Trial



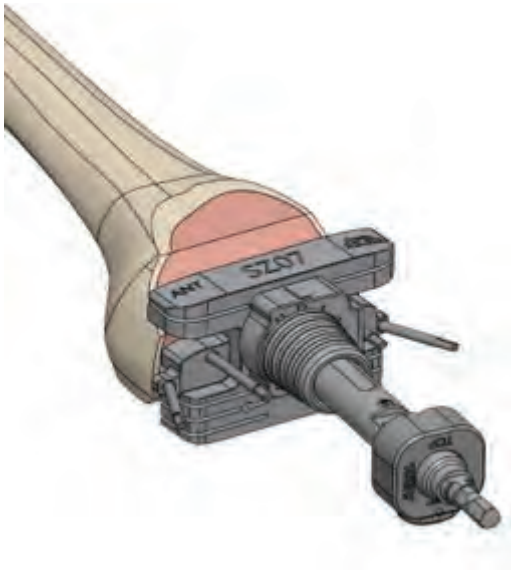
Remove the Reamer and Femoral Offset Bush Guide.
Large reamer has been used, tilt the reamer when extracting.

4. Offset Preparation

Oprtion1. Offset

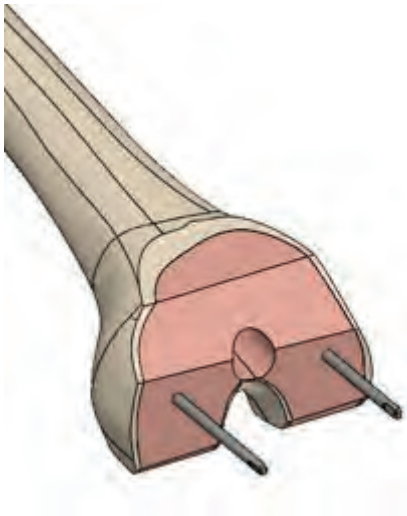


Femoral Boss Drill Guide



Attach the Femoral Boss Drill Guide to the Femoral Guide Adaptor.

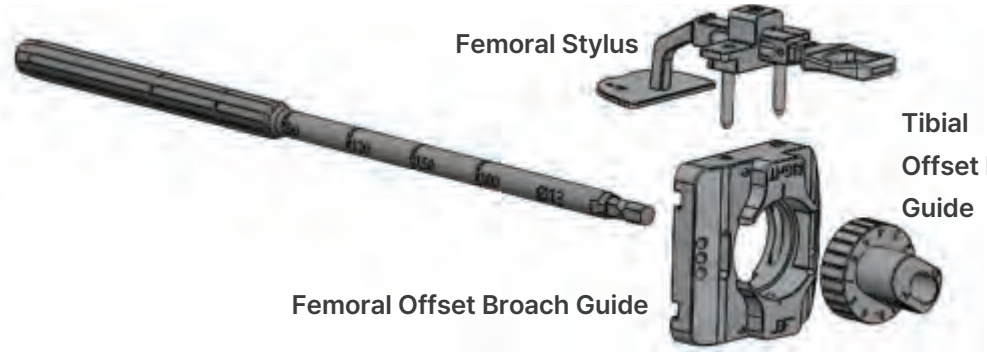
Drill to prepare the stem shape.



Remove entire assembly without parallel headless pin.

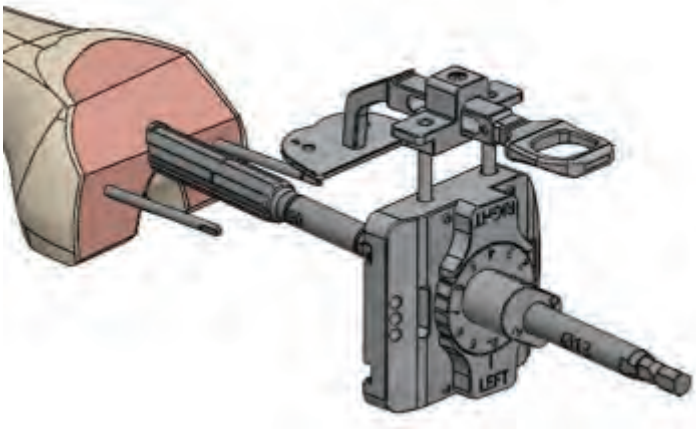
4. Offset Preparation

Oprtion1. Offset

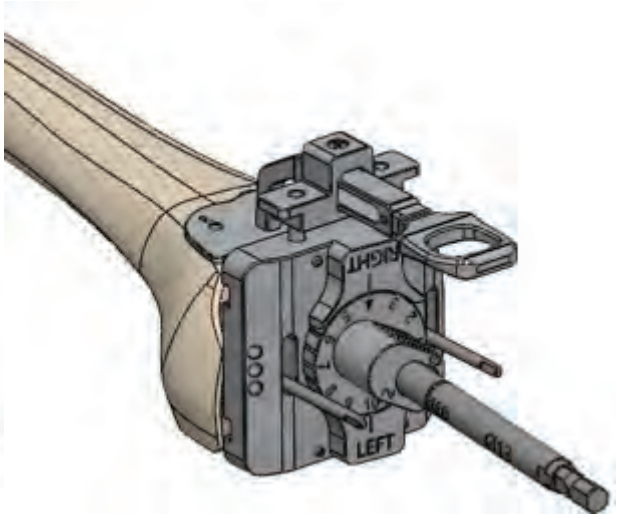


Way of positioning the Femur Offset Broach Guide.
Either
(1) Headless pin
- Place the Femur Offset Broach Guide through the Headless pin on distal plane.

or
(2) Reamer
- Assemble the Tibial Offset Bush Guide into Femur Offset Broach Guide.
- Insert Reamer in the Tibial Offset Bush Guide and Rotate the Tibial Offset Bush Guide until recorded magnitude.



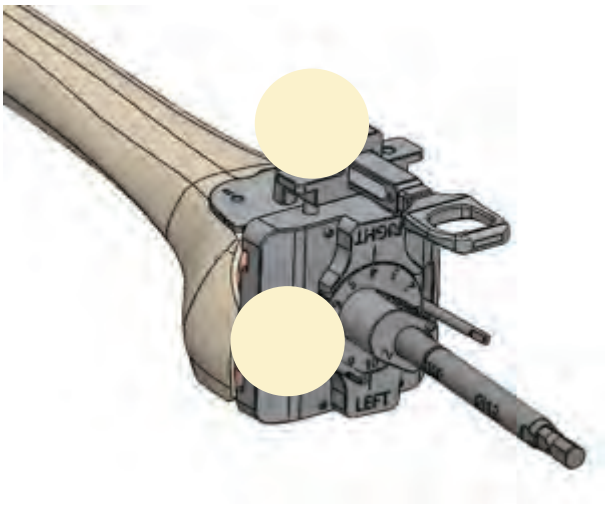
Insert the Femoral Stylus in the Femur Offset Broach Guide.



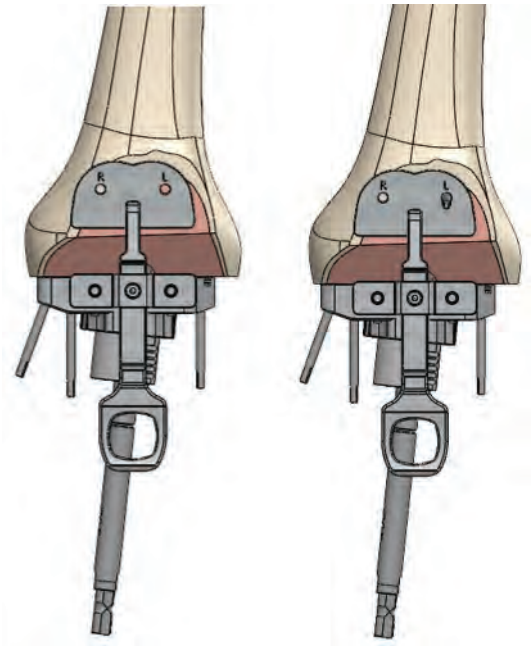
Adjust height of the Femoral Stylus until the Femoral. Stylus touch anterior plane

4. Offset Preparation

Oprtion1. Offset

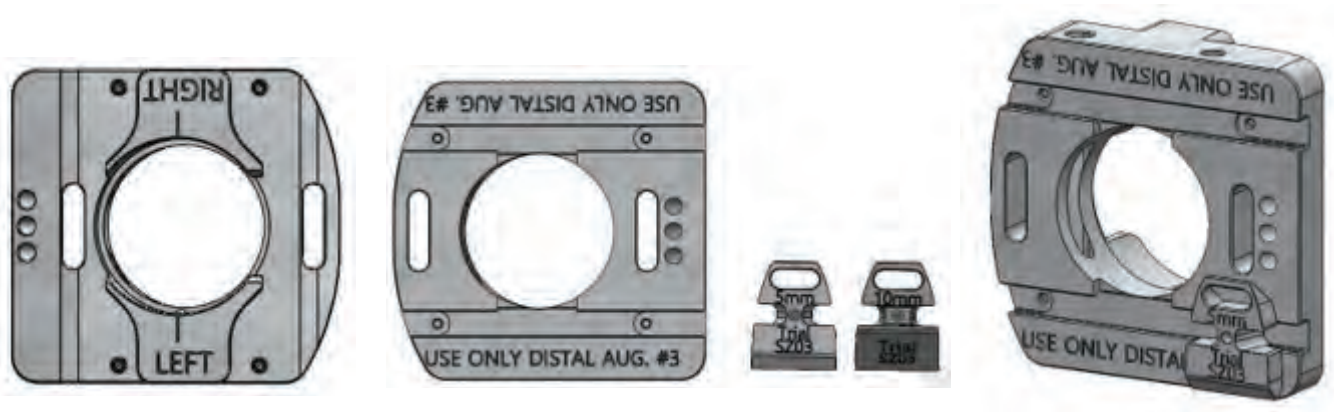


Pin the entire assembly using the Headless pins.



There are multi pin hole options.

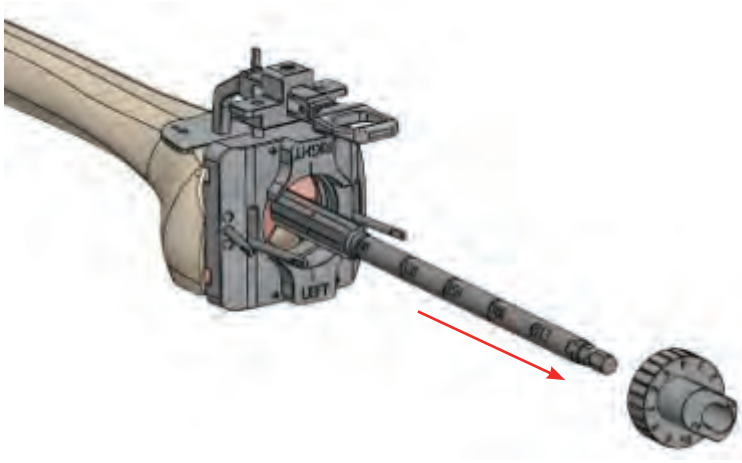
Information



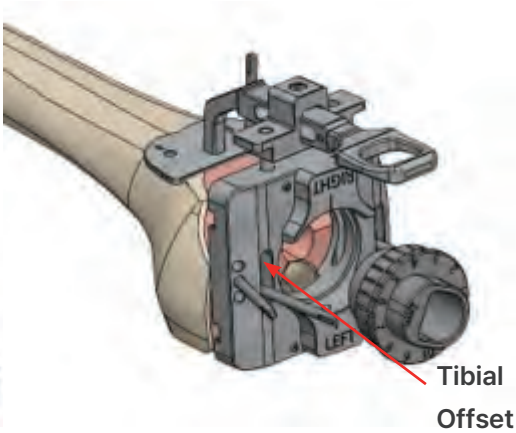
The Femur Offset Broach Guide should be used with Distal Augment Trial #03 only.

4. Offset Preparation

Oprtion1. Offset

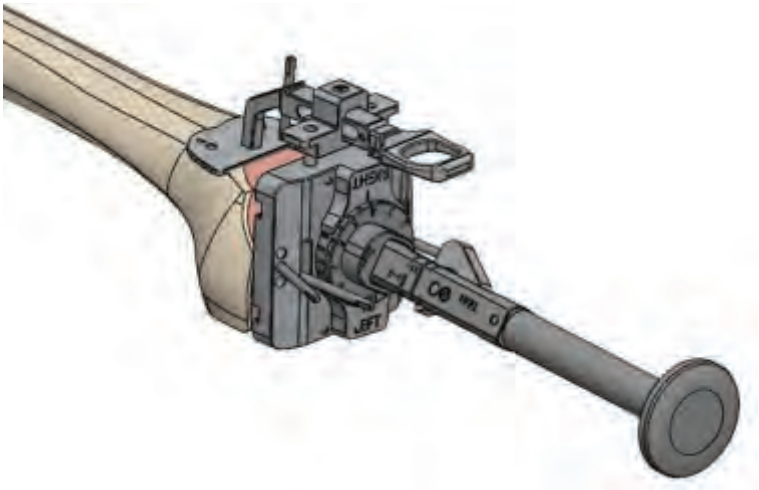


Remove the Reamer and Tibial Offset Bush Guide.

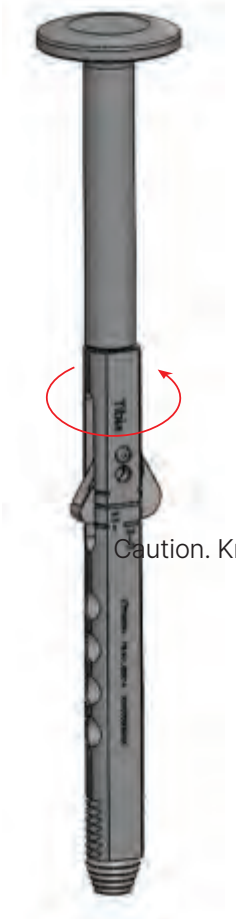


Tibial Offset Broach Guide

Attach the Tibial Offset Broach Guide to the Femur Offset Broach Guide.



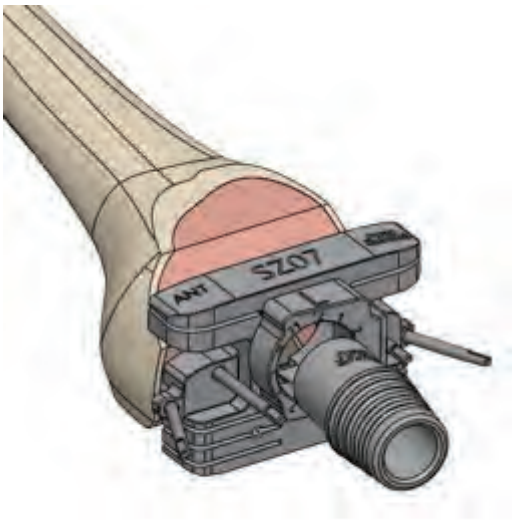
Rotate the knob to adjust appropriate size and Impacting the Tibial Offset Broach for prepare offset adaptor shape.



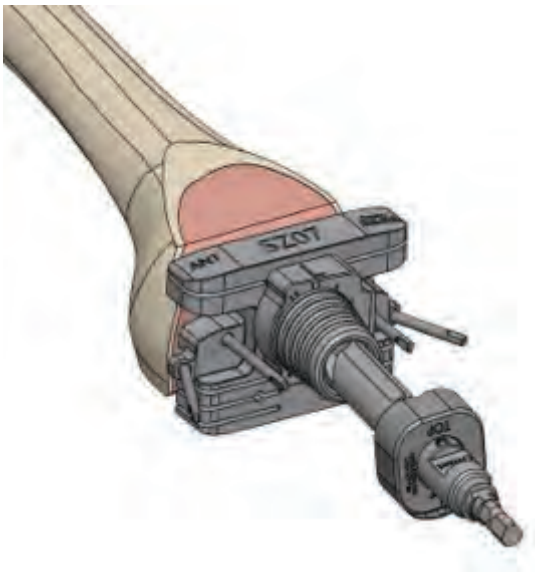
Caution. Knob doesn't rotate 360˚

4. Offset Preparation

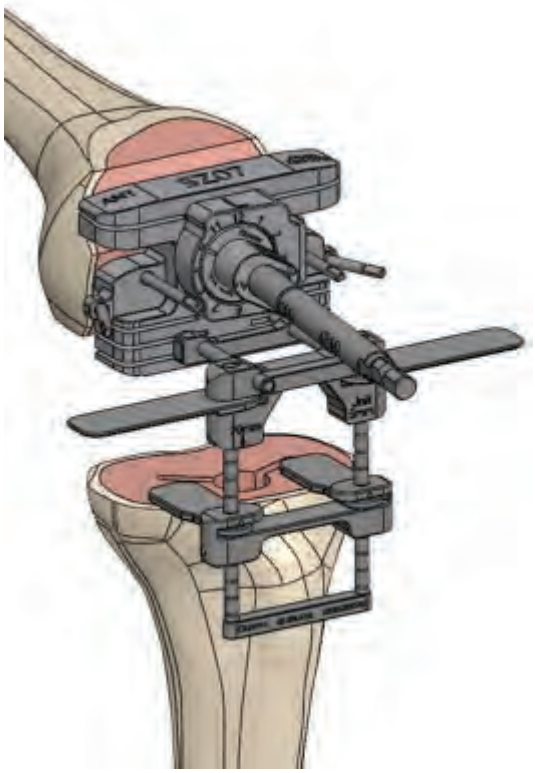
Oprtion2. Non-Offset



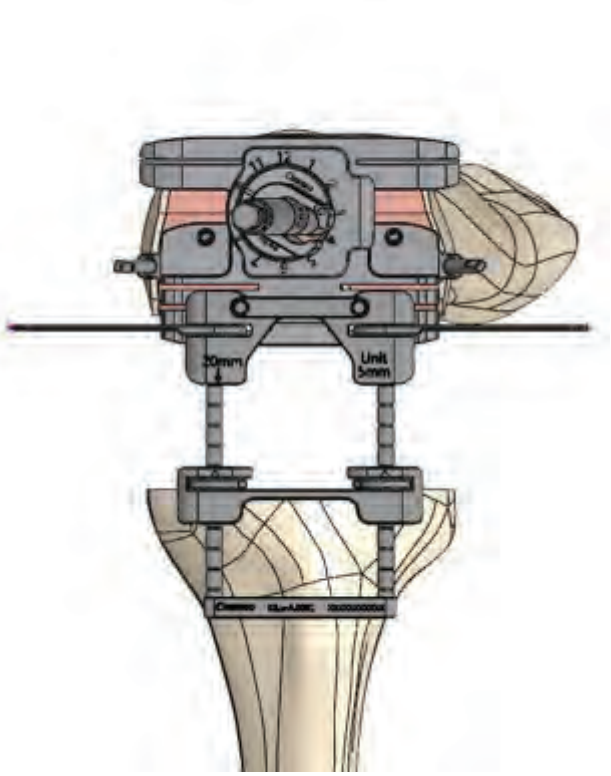
Attach the Femoral Boss Drill Guide to the Femoral Guide Adaptor.



Drill to prepare for the stem shape.



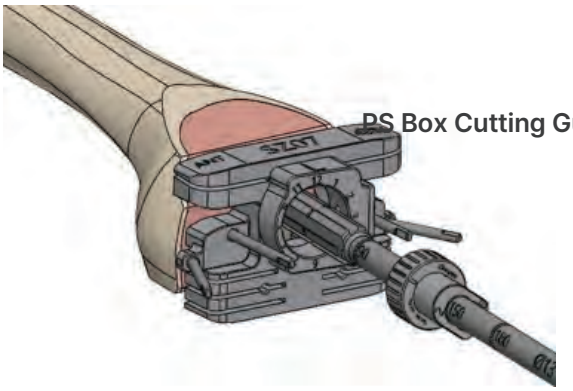
Using the ER Guide for check the Gap and External Rotation.



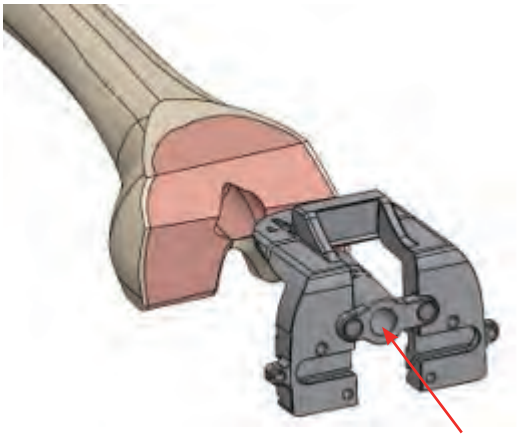
The ER Guide is combined with the AP Cutting Guide, PS Box Cutting Guide, Femoral Component Trial.

5. Femoral Box Preparation

Oprtion1. Offset



PS Box Cutting Guide



PS Box Cutting Guide Stem

Way of positioning the PS Box Cutting Guide

Either

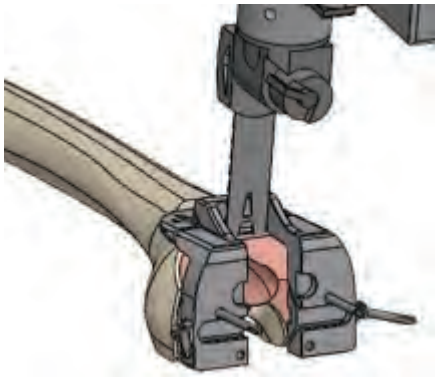
(1) Headless pin

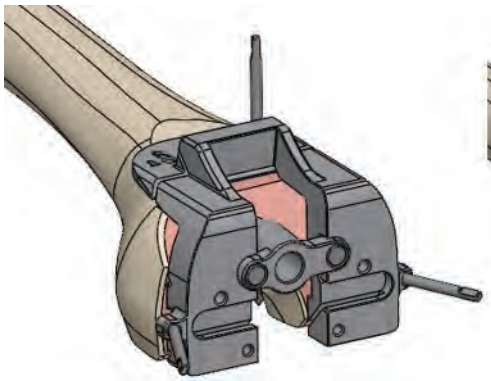
- Place the PS Box Cutting Guide through the Headless pin on distal plane.

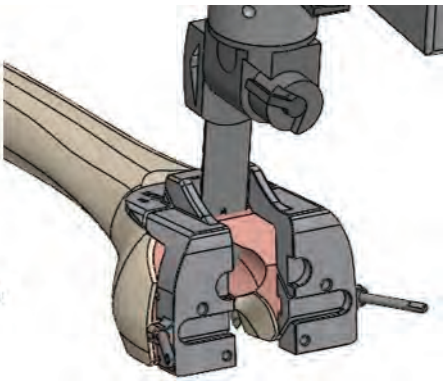
or

(2) PS Box Cutting Guide Stem

- Assemble the PS Box Cutting Guide Stem into PS Box Cutting Guide.
- Insert entire assembly through stem shape hole on distal plane.



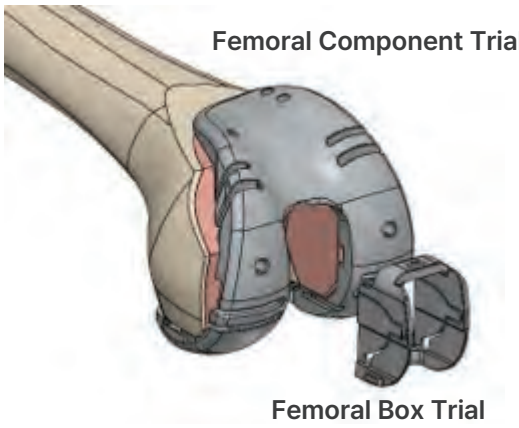




Insert Headless pins on PS Box Cutting Guide.
Make femur box resection.

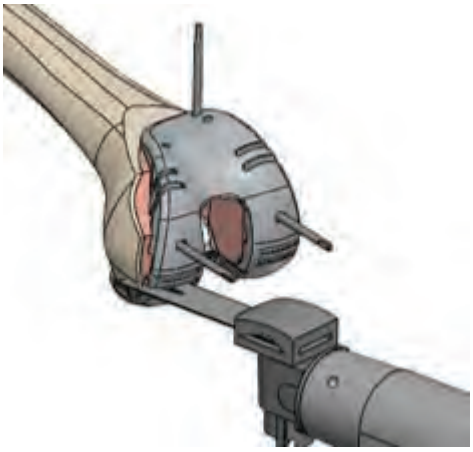
If the PS Box Cutting Guide Stem is used,
remove it before femur box resection

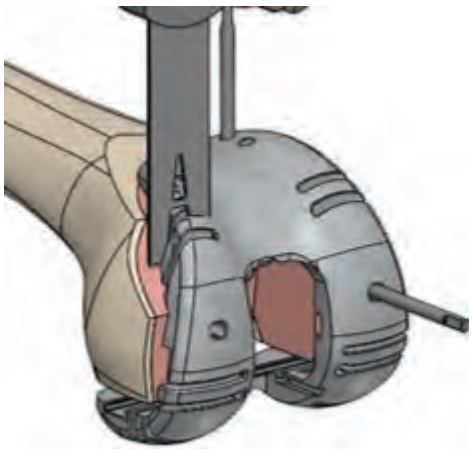
6. Femoral Finish

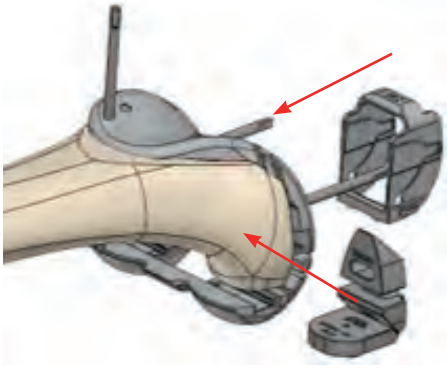


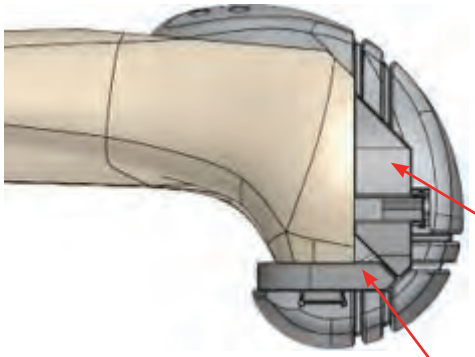
Insert the Femoral Box Trial in the Femoral Component Trial.

Oprtion2. Non-Offset







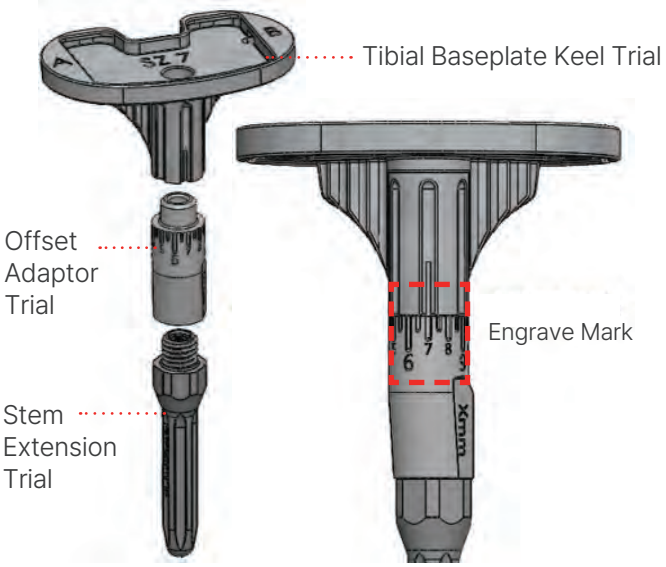


Augment can be cut after the Femoral Component Trial is placed on the bone.
(* When distal augment being cut, The Femoral Box Trial can be inserted in the Femoral Component Trial.*)

Step 3. Trial Preparation

1. Tibial Trial

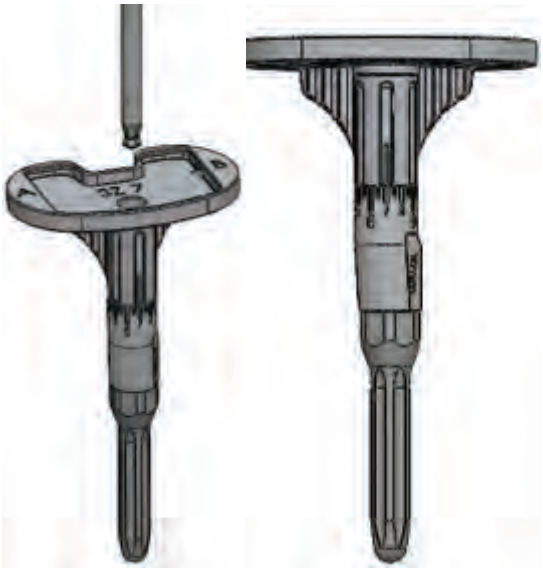
Tibial Baseplate Keel Trial with offset



Assemble the Stem Extension Trial into the Offset Adaptor Trial.

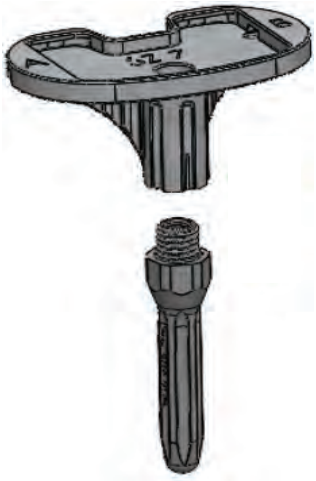
Insert the entire assembly in the Tibial Baseplate Keel Trial.

Look engrave mark on anterior of the Tibial Baseplate Keel Trial and align it on recorded position of the Offset Adapter Trial.

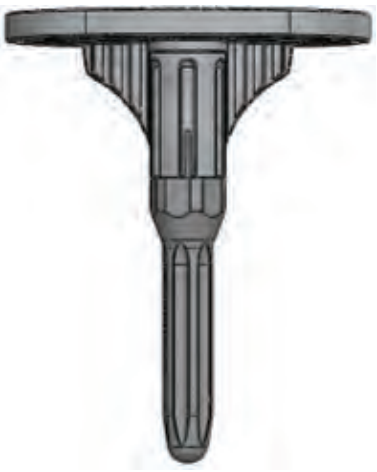


Tighten the entire assembly with bolt in the Tibial Baseplate Keel Trial

Tibial Baseplate Keel Trial without offset



Assemble the Stem Extension Trial into the Tibial Baseplate Keel Trial.



Tighten the Stem Extension Trial with bolt in the Tibial Baseplate Keel Trial.

1. Tibial Trial

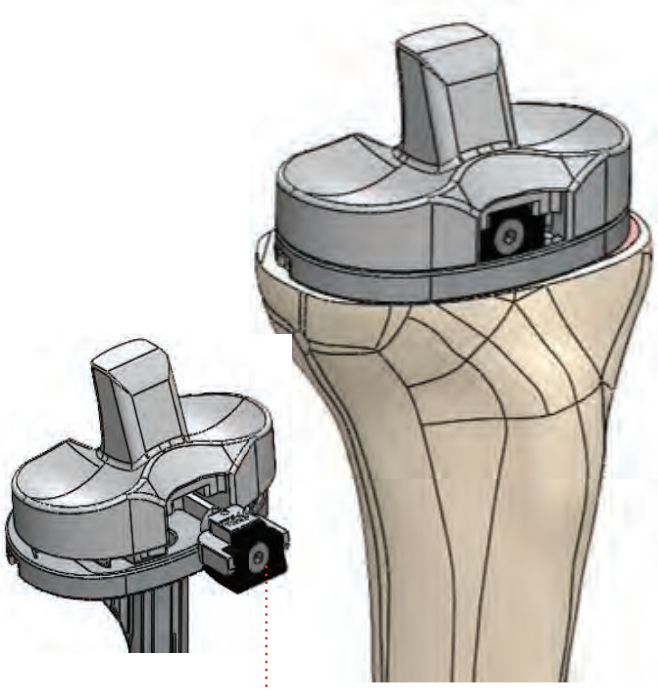
Tibial Augmentation

Place the Tibial Insert Trial on the Tibial Baseplate Keel Trial.

The Tibial Insert Trial can also be placed on Tibial Baseplate Trial and Tibial Implant.

Insert the Insert Trial Locking Adaptor into the Tibial Insert Trial for secured entire assembly.

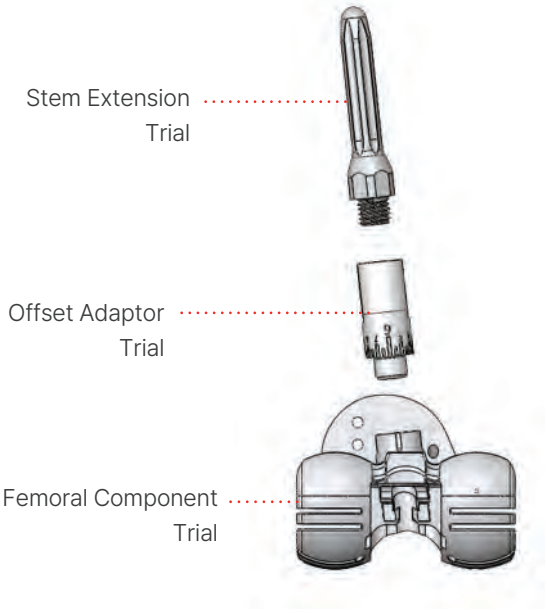
Tibial Insert Trial



Insert the Tibial Augment Trial into the Tibial Baseplate Keel Trial.

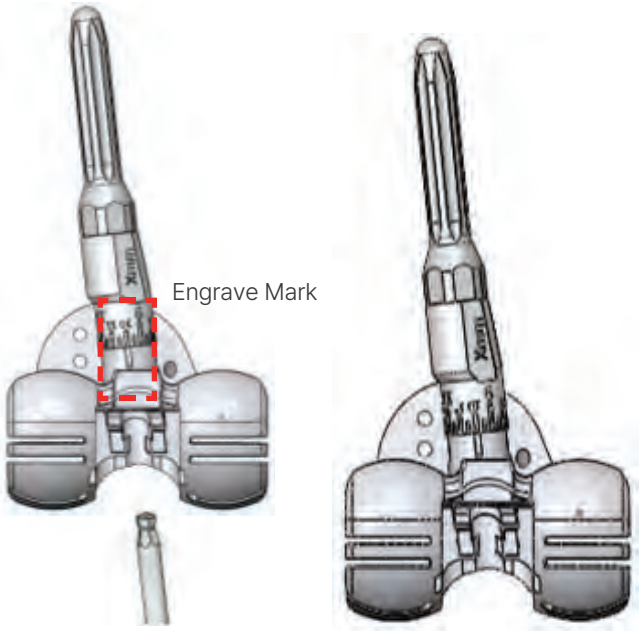
2. Femoral Trial

Femoral Component Trial with offset



Assemble the Stem Extension Trial into the Offset Adaptor Trial.

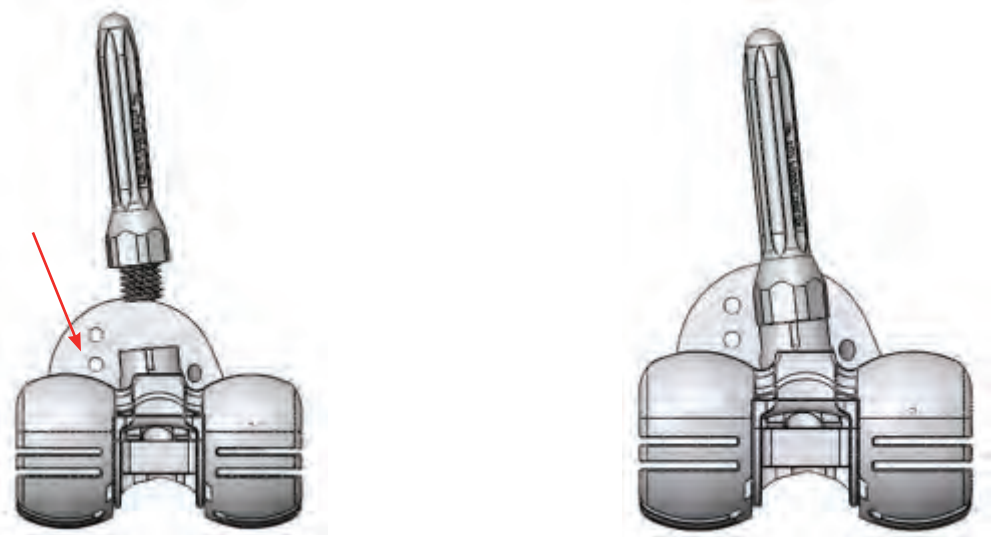
Insert the entire assembly in the Femoral Component Trial.



Look engrave mark on Posterior of the Femoral Component Trial and align it on recorded position of the Offset Adapter Trial.

Tighten the entire assembly with bolt in the Femoral Component Trial.

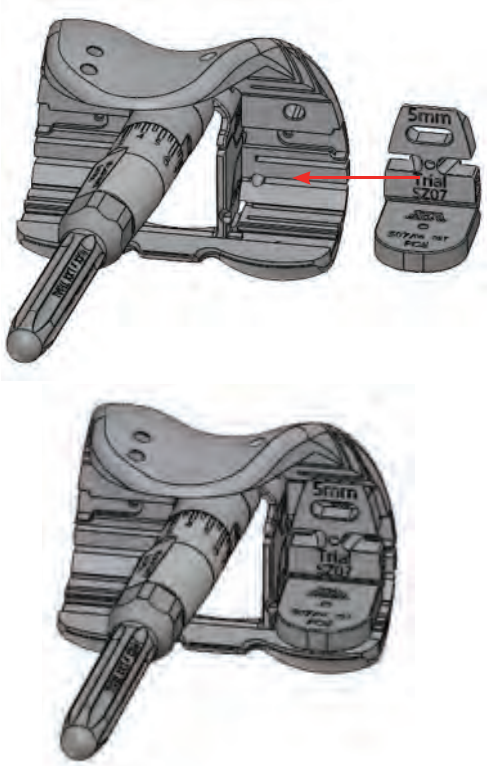
Femoral Component Trial without offset



Assemble the Stem Extension Trial into the Femoral Component Trial.
Tighten the Stem Extension Trial with bolt in the Femoral Component Trial.

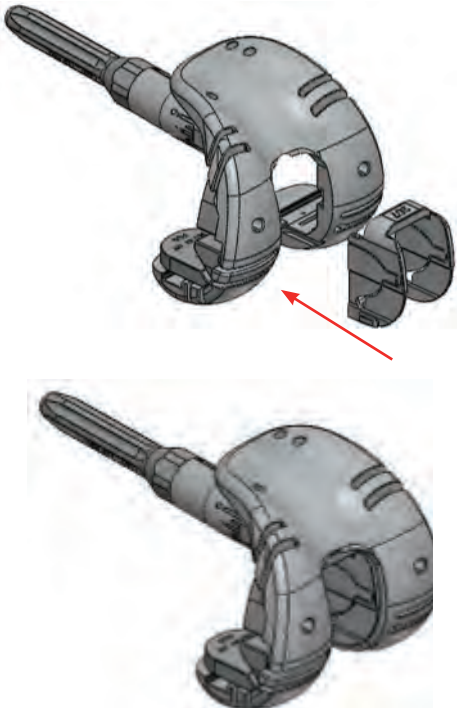
2. Femoral Trial

Femoral Augmentation

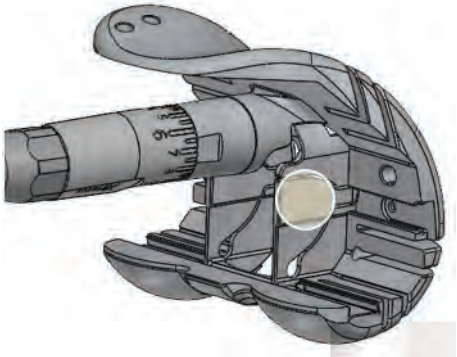


Insert the Femoral Distal Augment Trial and the Femoral Posterior Augment Trial into the Femoral Component Trial.

Femoral Box Trial



Insert the Femoral Box Trial in the entire assembly.

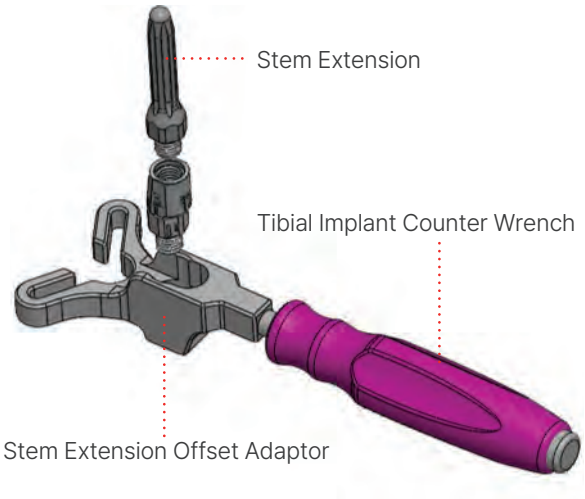


Caution

When extract the Femoral Box Trial,
Remove Femoral Augments and Push side of the Femoral Box Trial
with thumb and index finger.

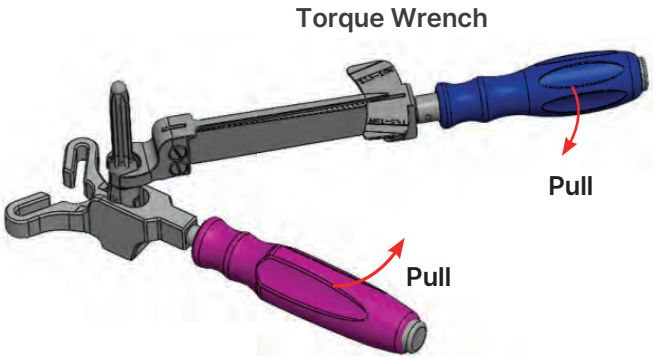
Step 4. Implantation

Stem Extension Implantation



Assemble the Stem Extension into the Stem Extension Offset Adaptor.

Place the entire assembly on Tibia Implant Counter Wrench.

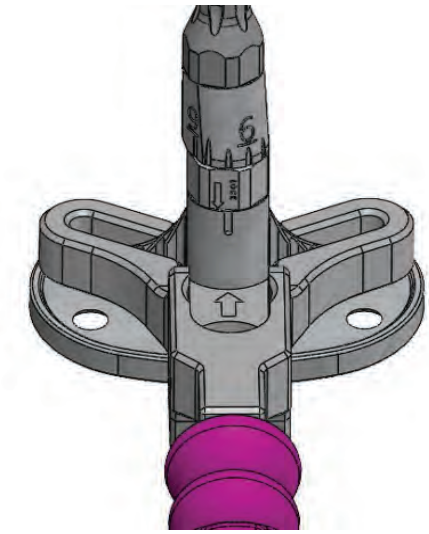


Holding the Torque Wrench in Right Hand, Place open face end of wrench onto the flats of the Stem Extension-Offset Adaptor.

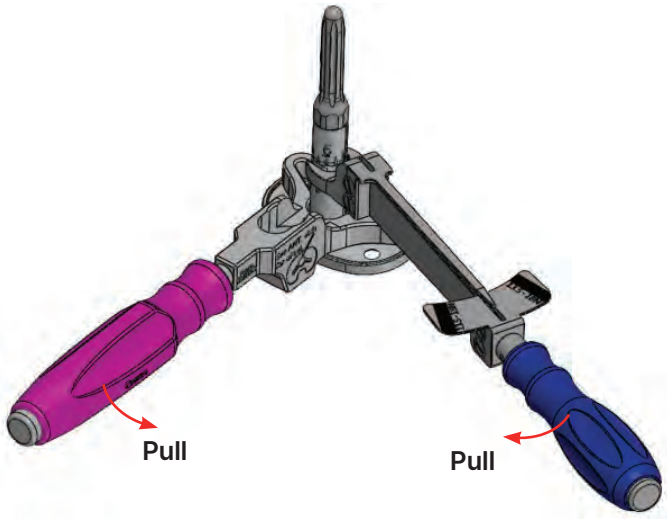
Holding the Tibia Implant Counter Wrench in Left Hand.

Tighten by pulling the wrenches together.

Tibia Implantation



Assembly the Stem Extension assembly into the Modular Tibial Baseplate.
Look engrave(etch) mark on anterior of the the Modular Tibial Baseplate and align it on recorded position of the Stem Extension-Offset Adaptor.

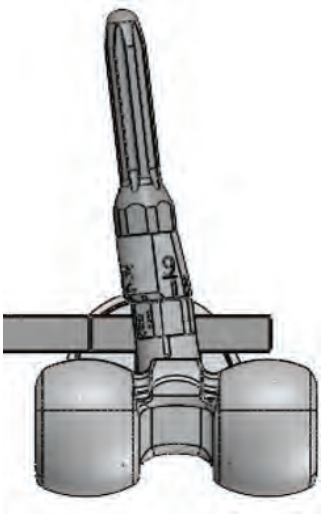


Holding the Torque Wrench in Right Hand, Place open face end of wrench onto the flats of the nut.
Holding the Tibia Implant Counter Wrench in Left Hand.
Tighten by pulling the wrenches together.

Information

On the right side of the Tibia Implant Counter Wrench,standard is indicated that align the offset adaptor.

Femur implantation



Torque Wrench

Femoral Implant Counter Wrench

Assembly the stem extension assembly into the Modular Femoral Component.

Look engrave(etch) mark on Posterior of the the Modular Femoral Component and align it on recorded position of the Stem Extension-Offset Adaptor.

Holding the Torque Wrench in right hand, place open face end of wrench onto the flats of the nut.

Hold the Femoral Implant Counter Wrench in Left Hand.

Tighten by pulling the wrenches together.

Information

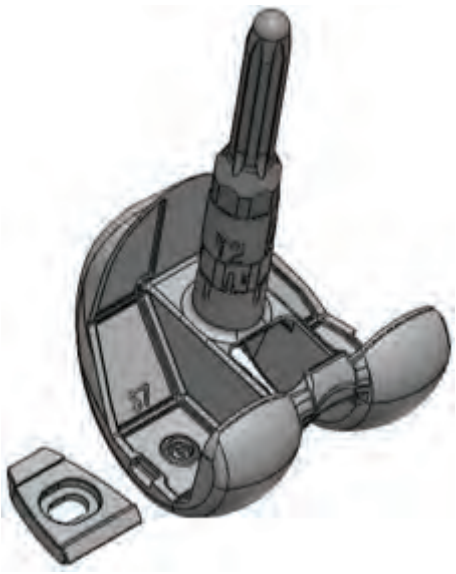
On the upper side of the Tibia Implant Counter Wrench, Standard is indicated that align the offset adaptor.

Tibial Augments Implantation

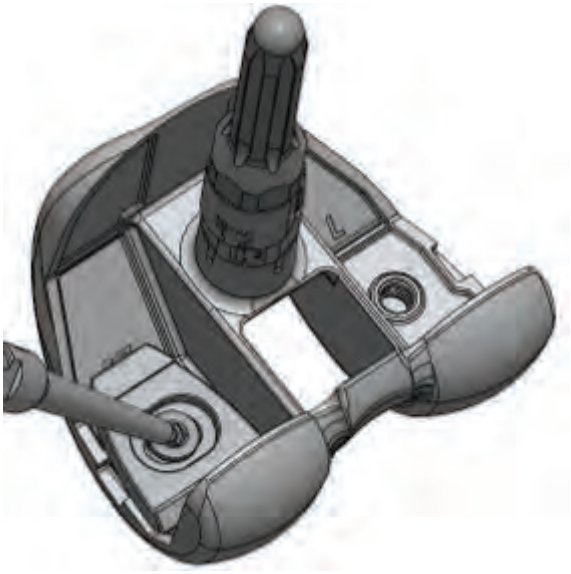
Assemble the Hex Driver into the Torque Wrench.
Place the Tibial Augments on Modular Tibia Baseplate.

Assemble the Fixation Bolt through the Tibial Augments into the threaded hole in the Modular Tibial Baseplate.
Tighten the Fixation Bolt.

Femoral Augments Implantation



Assemble the Hex Driver into the Torque Wrench.
Place the Femoral Augments on Modular Femoral Component.

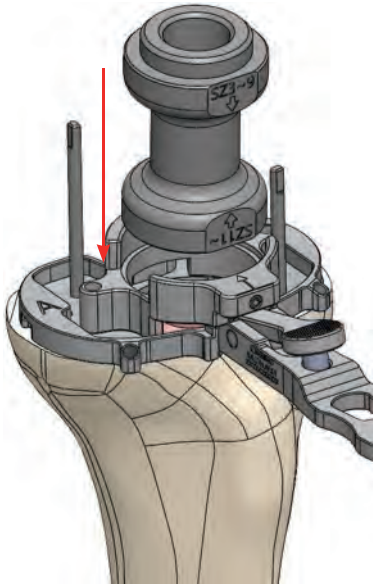


Assemble the Fixation Bolt through the Femoral Augments into the threaded hole in the Modular Femoral Component.
Tighten the Fixation Bolt.

Step 5. Severe Primary Preparation for Tibia

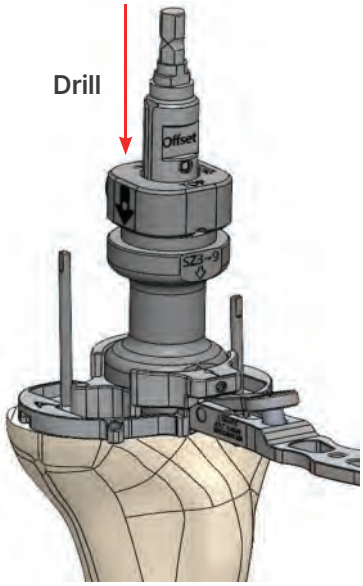
1. Using Stem Extension

Tibial Boss Drill



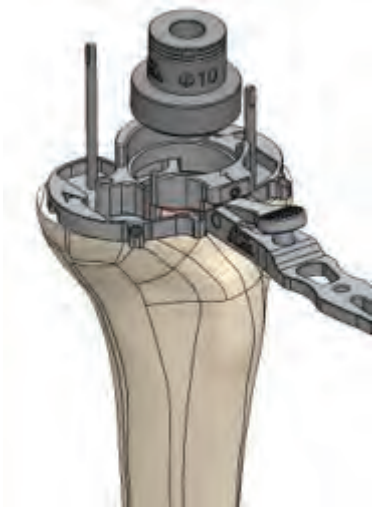
After Tibia Proximal Cutting,assemble the Baseplate Handle into the Tibial Baseplate Trial.
Place the Tibial Baseplate Trial over the resected proximal tibia bone to check coverage and insert headless pins.
Attach the Tibial Boss Drill Guide to the Tibial Baseplate Trial.

Drill

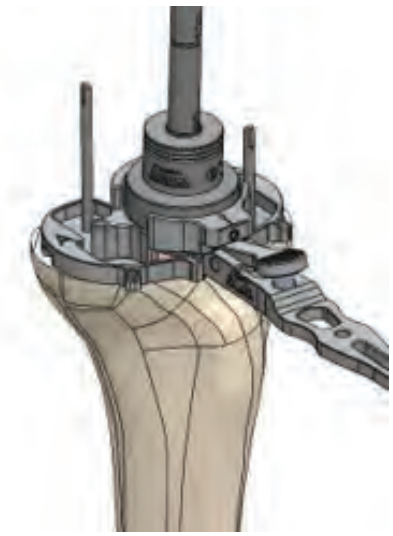


Drill to prepare for the stem shape.

Stem Extension Drill Guide



Remove the Tibial Boss Drill Guide and Attach the Stem Extension Drill Guide.

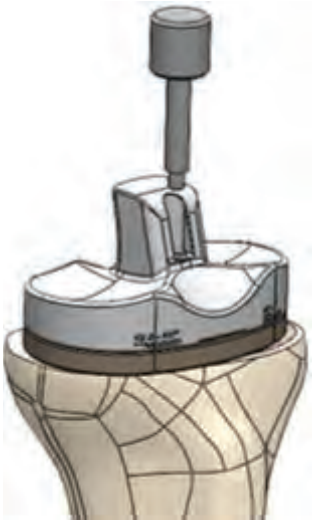


Ream to prepare the stem shape using the Reamer.

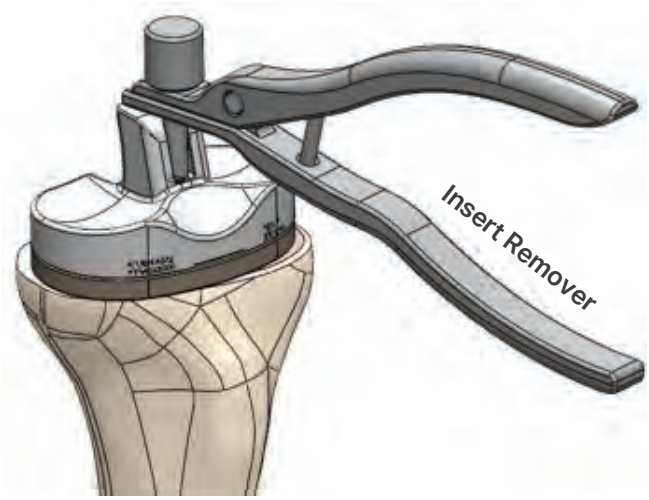
Option. Extration Instruments

Tibia Insert Extraction

Fixation Bolt



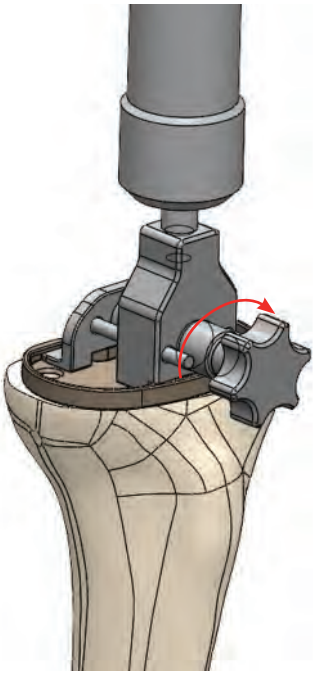
Assemble the Fixation Bolt into Tibial Insert.



Insert the Insert Remover into the Fixation Bolt and Push the Insert Remover for extract the Tibial Insert Fixed Locking Rod.

Tibial Baseplate (Trial) Extraction

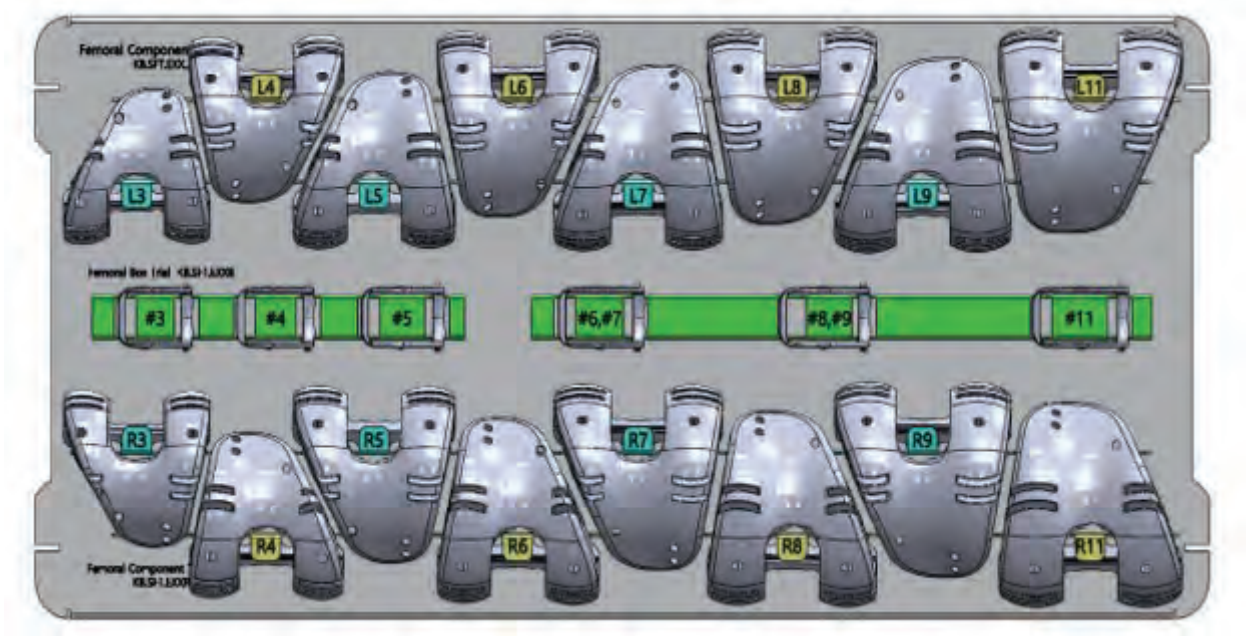
Baseplate Trial Remover



Place the Baseplate Trial Remover on Tibial Baseplate Keel Trial. Adjust the A-P range and Rotate the knob for fixation.

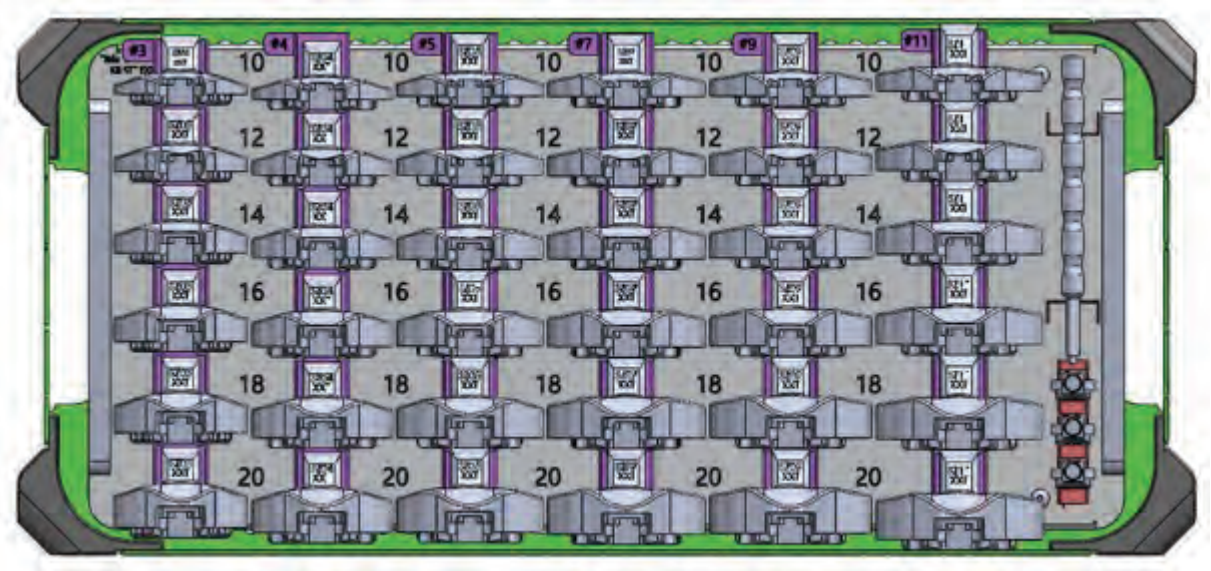
It can also be placed on Tibial Baseplate (Implant).

Instrument Ordering Information



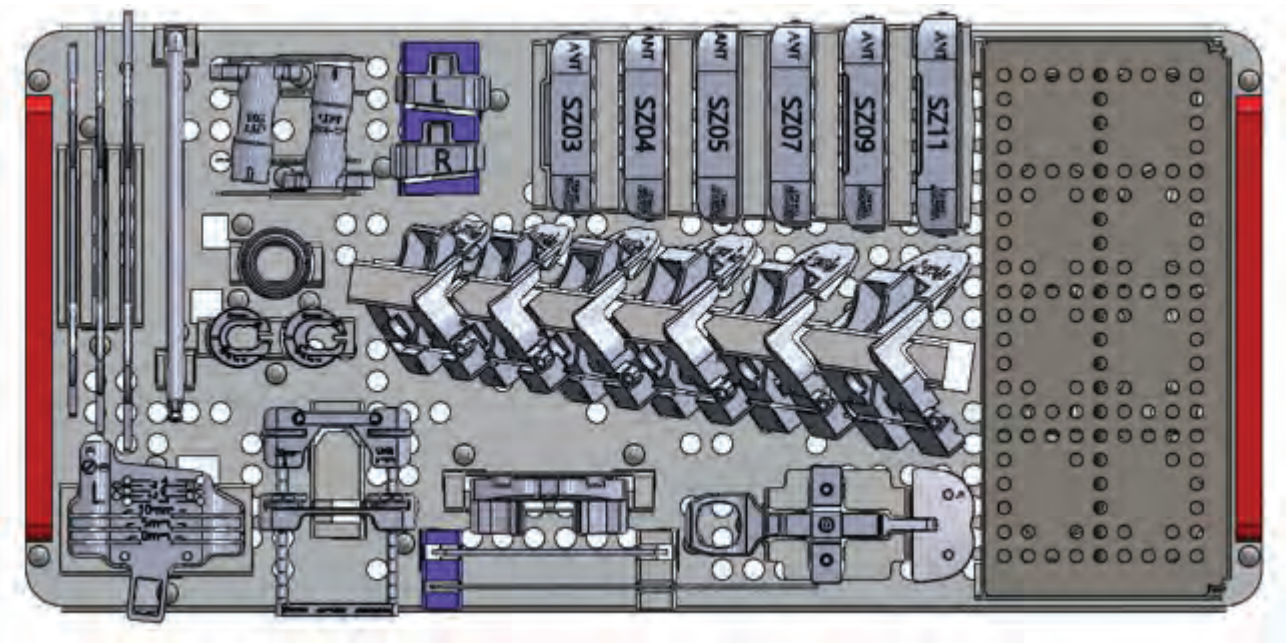
No.	Part No.	Description
1	KB.SFT.E03L	Femoral Trial LT #3
2	KB.SFT.E04L	Femoral Trial LT #4
3	KB.SFT.E05L	Femoral Trial LT #5
4	KB.SFT.E06L	Femoral Trial LT #6
5	KB.SFT.E07L	Femoral Trial LT #7
6	KB.SFT.E08L	Femoral Trial LT #8
7	KB.SFT.E09L	Femoral Trial LT #9
8	KB.SFT.E11L	Femoral Trial LT #11
9	KB.SFT.E03R	Femoral Trial RT #3
10	KB.SFT.E04R	Femoral Trial RT #4
11	KB.SFT.E05R	Femoral Trial RT #5
12	KB.SFT.E06R	Femoral Trial RT #6
13	KB.SFT.E07R	Femoral Trial RT #7
14	KB.SFT.E08R	Femoral Trial RT #8
15	KB.SFT.E09R	Femoral Trial RT #9
16	KB.SFT.E11R	Femoral Trial RT #11
17	KB.SFT.E03B	Femoral Box Trial #3
18	KB.SFT.E04B	Femoral Box Trial #4
19	KB.SFT.E05B	Femoral Box Trial #5
20	KB.SFT.E07B	Femoral Box Trial #6,7
21	KB.SFT.E09B	Femoral Box Trial #8,9
22	KB.SFT.E11B	Femoral Box Trial #11

Instrument Ordering Information



No.	Part No.	Description
1	KB.STT.E310	Tibial Insert Trial #03 10T
2	KB.STT.E312	Tibial Insert Trial #03 12T
3	KB.STT.E314	Tibial Insert Trial #03 14T
4	KB.STT.E316	Tibial Insert Trial #03 16T
5	KB.STT.E318	Tibial Insert Trial #03 18T
6	KB.STT.E320	Tibial Insert Trial #03 20T
7	KB.STT.E410	Tibial Insert Trial #04 10T
8	KB.STT.E412	Tibial Insert Trial #04 12T
9	KB.STT.E414	Tibial Insert Trial #04 14T
10	KB.STT.E416	Tibial Insert Trial #04 16T
11	KB.STT.E418	Tibial Insert Trial #04 18T
12	KB.STT.E420	Tibial Insert Trial #04 20T
13	KB.STT.E510	Tibial Insert Trial #05 10T
14	KB.STT.E512	Tibial Insert Trial #05 12T
15	KB.STT.E514	Tibial Insert Trial #05 14T
16	KB.STT.E516	Tibial Insert Trial #05 16T
17	KB.STT.E518	Tibial Insert Trial #05 18T
18	KB.STT.E520	Tibial Insert Trial #05 20T
19	KB.STT.E710	Tibial Insert Trial #07 10T
20	KB.STT.E712	Tibial Insert Trial #07 12T
21	KB.STT.E714	Tibial Insert Trial #07 14T
22	KB.STT.E716	Tibial Insert Trial #07 16T
23	KB.STT.E718	Tibial Insert Trial #07 18T
24	KB.STT.E720	Tibial Insert Trial #07 20T
25	KB.STT.E910	Tibial Insert Trial #09 10T
26	KB.STT.E912	Tibial Insert Trial #09 12T
27	KB.STT.E914	Tibial Insert Trial #09 14T
28	KB.STT.E916	Tibial Insert Trial #09 16T
29	KB.STT.E918	Tibial Insert Trial #09 18T
30	KB.STT.E920	Tibial Insert Trial #09 20T
31	KB.STT.EB10	Tibial Insert Trial #11 10T
32	KB.STT.EB12	Tibial Insert Trial #11 12T
33	KB.STT.EB14	Tibial Insert Trial #11 14T
34	KB.STT.EB16	Tibial Insert Trial #11 16T
35	KB.STT.EB18	Tibial Insert Trial #11 18T
36	KB.STT.EB20	Tibial Insert Trial #11 20T
37	KB.STT.E001	Tibial Insert Trial Locking Adaptor
38	KB.ST0.0001	Locking Rod Impactor

Instrument Ordering Information



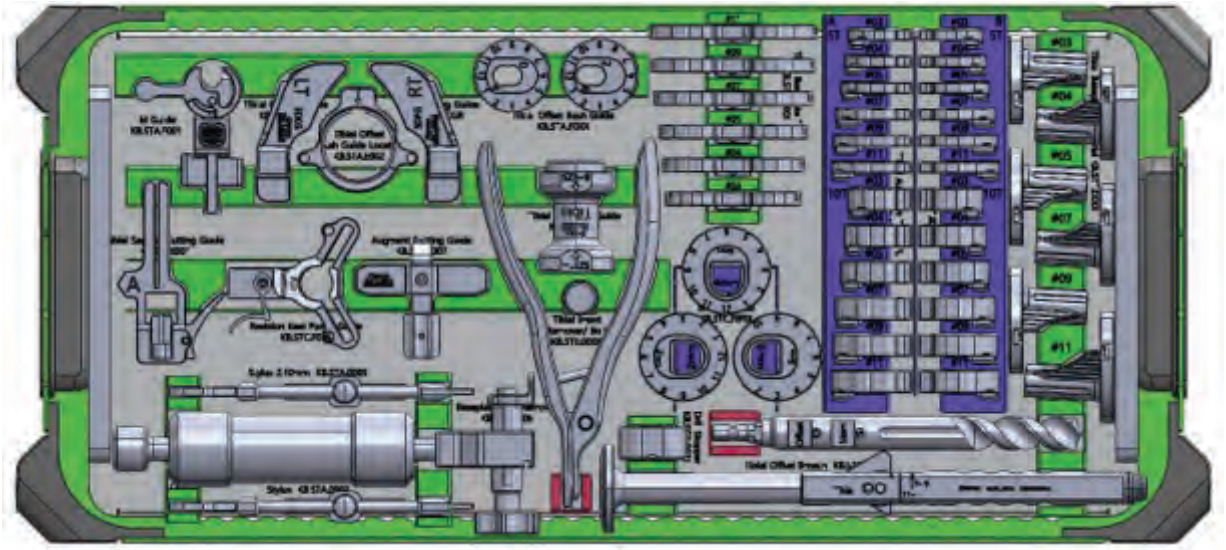
No.	Part No.	Description
1	KB.SFM.0002	Femoral Template #03, #04
2	KB.SFM.0003	FEMORAL TEMPLATE #5, #6/7
3	KB.SFM.0004	Femoral Template #8, 9, #11
4	KA.SG0.0039	HEX Driver
5	KB.SFC.E001	Distal Cutting Guide Modular Phase2
6	KB.SFC.E002	Femoral Boss Drill Guide
7	KB.SFA.E004	Femoral Offset Bush Guide 0, 4mm
8	KB.SFA.E026	Femoral Offset Bush Guide 2, 6mm
9	KB.SFC.E201	PS Box Cutting Guide Stem #03
10	KB.SFC.E202	PS Box Cutting Guide Stem #04~#12
11	KB.SFC.E020	Femoral Guide Adpator L
12	KB.SFC.E021	Femoral Guide Adpator R
13	KB.SFC.E003	Femoral AP Cutting Guide #03
14	KB.SFC.E004	Femoral AP Cutting Guide #04
15	KB.SFC.E005	Femoral AP Cutting Guide #05
16	KB.SFC.E007	Femoral AP Cutting Guide #07
17	KB.SFC.E009	Femoral AP Cutting Guide #09
18	KB.SFC.E011	Femoral AP Cutting Guide #11
19	KB.SFC.E103	PS Box Cutting Guide #03
20	KB.SFC.E104	PS Box Cutting Guide #04
21	KB.SFC.E105	PS Box Cutting Guide #05
22	KB.SFC.E107	PS Box Cutting Guide #07
23	KB.SFC.E109	PS Box Cutting Guide #09
24	KB.SFC.E111	PS Box Cutting Guide #11
25	KB.SFA.0001	ER Guide
26	KB.SFC.EB01	Femur Offset Broach Guide
27	KB.SFM.0001	Joint Line Guide
28	KB.SG0.0022	ANGEL WING ML_SIZE CHECKER
29	KB.SFC.EB02	Femoral Stylus
30	KC.CBF.L001	*Augment Caddy

Instrument Ordering Information

Augment Caddy

No.	Part No.	Description
1	KB.SF0.E05S	Spacer #03~#07 5mm
2	KB.SF0.E05M	Spacer #9~#11 5mm
3	KB.SFT.0305	Femoral Distal Augment Trial #03 5mm
4	KB.SFT.0405	Femoral Distal Augment Trial #04 5mm
5	KB.SFT.0505	Femoral Distal Augment Trial #05 5mm
6	KB.SFT.0705	Femoral Distal Augment Trial #07 5mm
7	KB.SFT.0905	Femoral Distal Augment Trial #09 5mm
8	KB.SFT.1105	Femoral Distal Augment Trial #11 5mm
9	KD.SFT.2305	Femoral Posterior Augment Trial #03_05mm
10	KD.SFT.2405	Femoral Posterior Augment Trial #04 05mm
11	KD.SFT.2505	Femoral Posterior Augment Trial #05 05mm
12	KD.SFT.2705	Femoral Posterior Augment Trial #0607_05mm
13	KD.SFT.2905	Femoral Posterior Augment Trial #08/09 05mm
14	KD.SFT.3105	Femoral Posterior Augment Trial #11 05mm
15	KB.SF0.E10S	Spacer #03~#07 10mm
16	KB.SF0.E10M	Spacer #9~#11 10mm
17	KB.SFT.0310	Femoral Distal Augment Trial #03 10mm
18	KB.SFT.0410	Femoral Distal Augment Trial #04 10mm
19	KB.SFT.0510	Femoral Distal Augment Trial #05 10mm
20	KB.SFT.0710	Femoral Distal Augment Trial #07 10mm
21	KB.SFT.0910	Femoral Distal Augment Trial #09 10mm
22	KB.SFT.1110	Femoral Distal Augment Trial #11 10mm
23	KD.SFT.2310	Femoral Posterior Augment Trial #03_10mm
24	KD.SFT.2410	Femoral Posterior Augment Trial #04 10mm
25	KD.SFT.2510	Femoral Posterior Augment Trial #05 10mm
26	KD.SFT.2710	Femoral Posterior Augment Trial #0607_10mm
27	KD.SFT.2910	Femoral Posterior Augment Trial #08/09 10mm
28	KD.SFT.3110	Femoral Posterior Augment Trial #11 10mm

Instrument Ordering Information

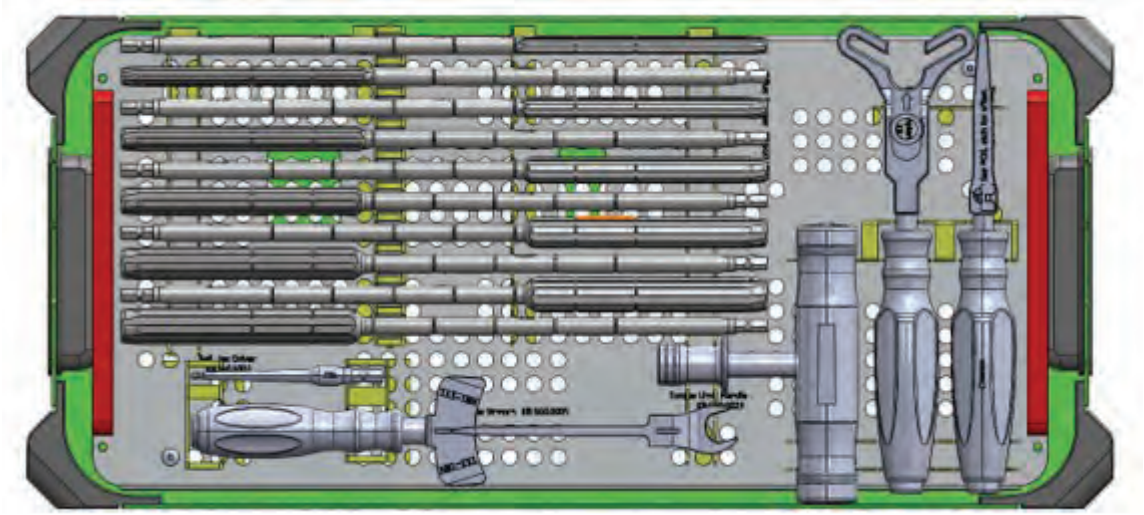


No.	Part No.	Description
1	KB.STA.E001	IM Guide
2	KB.STC.ECGL	Tibial Cutting Guide LT 3DEG
3	KB.STC.ECGR	Tibial Cutting Guide RT 3DEG
4	KB.STC.E001	Tibial Sagittal Cutting Guide
5	KB.STC.E002	Tibial Boss Drill Guide
6	KB.STC.E006	Revision Keel Punch Guide
7	KB.STC.E007	Augment Cutting Guide
8	KB.STA.E002	Tibial Offset Bush Guide Locator
9	KB.STA.E004	Tibial Offset Bush Guide 0, 4mm
10	KB.STA.E026	Tibial Offset Bush Guide 2, 6mm
11	KB.STC.EBR1	Tibial Offset Broach
12	KB.STC.EBR2	Tibial Offset Broach Guide 2mm
13	KB.STC.EBR4	Tibial Offset Broach Guide 4mm
14	KB.STC.EBR6	Tibial Offset Broach Guide 6mm
15	KB.STT.E003	Tibial Baseplate Trial #03
16	KB.STT.E004	Tibial Baseplate Trial #04
17	KB.STT.E005	Tibial Baseplate Trial #05
18	KB.STT.E007	Tibial Baseplate Trial #07
19	KB.STT.E009	Tibial Baseplate Trial #09
20	KB.STT.E011	Tibial Baseplate Trial #11
21	KB.STT.EK03	Tibial Baseplate Keel Trial #03
22	KB.STT.EK04	Tibial Baseplate Keel Trial #04
23	KB.STT.EK05	Tibial Baseplate Keel Trial #05
24	KB.STT.EK07	Tibial Baseplate Keel Trial #07
25	KB.STT.EK09	Tibial Baseplate Keel Trial #09
26	KB.STT.EK11	Tibial Baseplate Keel Trial #11

Instrument Ordering Information

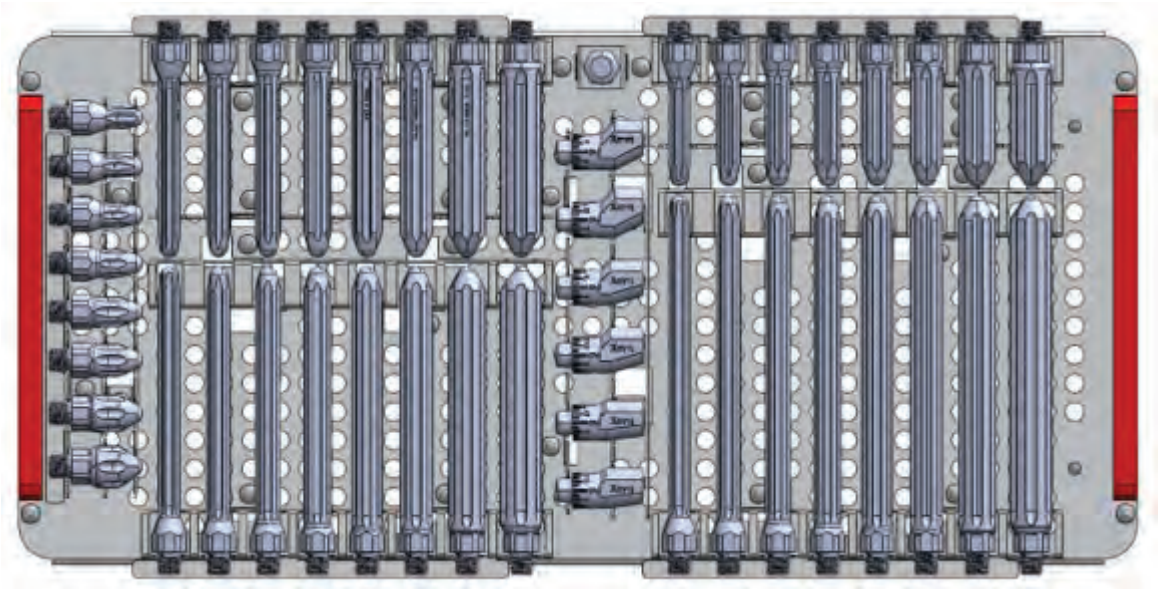
27	KB.STT.A035	Tibial Augment Trial A #03 5T
28	KB.STT.A030	Tibial Augment Trial A #03 10T
29	KB.STT.A045	Tibial Augment Trial A #04 5T
30	KB.STT.A040	Tibial Augment Trial A #04 10T
31	KB.STT.A055	Tibial Augment Trial A #05 5T
32	KB.STT.A050	Tibial Augment Trial A #05 10T
33	KB.STT.A075	Tibial Augment Trial A #07 5T
34	KB.STT.A070	Tibial Augment Trial A #07 10T
35	KB.STT.A095	Tibial Augment Trial A #09 5T
36	KB.STT.A090	Tibial Augment Trial A #09 10T
37	KB.STT.A115	Tibial Augment Trial A #11 5T
38	KB.STT.A110	Tibial Augment Trial A #11 10T
39	KB.STT.B035	Tibial Augment Trial B #03 5T
40	KB.STT.B030	Tibial Augment Trial B #03 10T
41	KB.STT.B045	Tibial Augment Trial B #04 5T
42	KB.STT.B040	Tibial Augment Trial B #04 10T
43	KB.STT.B055	Tibial Augment Trial B #05 5T
44	KB.STT.B050	Tibial Augment Trial B #05 10T
45	KB.STT.B075	Tibial Augment Trial B #07 5T
46	KB.STT.B070	Tibial Augment Trial B #07 10T
47	KB.STT.B095	Tibial Augment Trial B #09 5T
48	KB.STT.B090	Tibial Augment Trial B #09 10T
49	KB.STT.B115	Tibial Augment Trial B #11 5T
50	KB.STT.B110	Tibial Augment Trial B #11 10T
51	KB.SG0.0020	Modular Shared Drill
52	KB.SG0.0021	Modular Shared Drill Stopper
53	KB.STA.0005	STYLUS_2, 10mm
54	KB.STA.0002	Stylus
55	KB.ST0.0003	Tibial Insert Remover
56	KB.ST0.0004	Tibial Insert Remover Bolt
57	KB.STA.0006	Baseplate Trial Remover

Instrument Ordering Information



No.	Part No.	Description
1	KB.SG0.E009	Offset Reamer D9
2	KB.SG0.E010	Offset Reamer D10
3	KB.SG0.E011	Offset Reamer D11
4	KB.SG0.E012	Offset Reamer D12
5	KB.SG0.E013	Offset Reamer D13
6	KB.SG0.E014	Offset Reamer D14
7	KB.SG0.E015	Offset Reamer D15
8	KB.SG0.E016	Offset Reamer D16
9	KB.SG0.E017	Offset Reamer D17
10	KB.SG0.E018	Offset Reamer D18
11	KB.SF0.E003	Ball Hex Driver
12	KB.SG0.0005	Torque Wrench
13	KB.SG0.0023	Torque Limit Handle (7N)
14	KB.SF0.E002	Femur Implant Counter Wrench
15	KB.ST0.E002	Tibia Implant Counter Wrench

Instrument Ordering Information



No.	Part No.	Description
1	KB.SGT.0903	Stem Extension Trial Φ9 30mm
2	KB.SGT.0906	Stem Extension Trial Φ9 60mm
3	KB.SGT.0909	Stem Extension Trial Φ9 90mm
4	KB.SGT.0912	Stem Extension Trial Φ9 120mm
5	KB.SGT.0915	Stem Extension Trial Φ9 150mm
6	KB.SGT.1003	Stem Extension Trial Φ10 30mm
7	KB.SGT.1006	Stem Extension Trial Φ10 60mm
8	KB.SGT.1009	Stem Extension Trial Φ10 90mm
9	KB.SGT.1012	Stem Extension Trial Φ10 120mm
10	KB.SGT.1015	Stem Extension Trial Φ10 150mm
11	KB.SGT.1103	Stem Extension Trial Φ11 30mm
12	KB.SGT.1106	Stem Extension Trial Φ11 60mm
13	KB.SGT.1109	Stem Extension Trial Φ11 90mm
14	KB.SGT.1112	Stem Extension Trial Φ11 120mm
15	KB.SGT.1115	Stem Extension Trial Φ11 150mm
16	KB.SGT.1203	Stem Extension Trial Φ12 30mm
17	KB.SGT.1206	Stem Extension Trial-Cemented Ø12x60
18	KB.SGT.1209	Stem Extension Trial Φ12 90mm
19	KB.SGT.1212	Stem Extension Trial-Cemented Ø12x120
20	KB.SGT.1215	Stem Extension Trial Φ12 150mm
21	KB.SGT.1303	Stem Extension Trial Φ13 30mm
22	KB.SGT.1306	Stem Extension Trial Φ13 60mm
23	KB.SGT.1309	Stem Extension Trial Φ13 90mm
24	KB.SGT.1312	Stem Extension Trial Φ13 120mm
25	KB.SGT.1315	Stem Extension Trial Φ13 150mm

Instrument Ordering Information

26	KB.SGT.1403	Stem Extension Trial Φ14 30mm
27	KB.SGT.1406	Stem Extension Trial-Cemented Ø14x60
28	KB.SGT.1409	Stem Extension Trial Φ14 90mm
29	KB.SGT.1412	Stem Extension Trial-Cemented Ø14x120
30	KB.SGT.1415	Stem Extension Trial Φ14 150mm
31	KB.SGT.1603	Stem Extension Trial Φ16 30mm
32	KB.SGT.1606	Stem Extension Trial-Cemented Ø16x60
33	KB.SGT.1609	Stem Extension Trial Φ16 90mm
34	KB.SGT.1612	Stem Extension Trial-Cemented Ø16x120
35	KB.SGT.1615	Stem Extension Trial Φ16 150mm
36	KB.SGT.1803	Stem Extension Trial Φ18 30mm
37	KB.SGT.1806	Stem Extension Trial Φ18 60mm
38	KB.SGT.1809	Stem Extension Trial Φ18 90mm
39	KB.SGT.1812	Stem Extension Trial Φ18 120mm
40	KB.SGT.1815	Stem Extension Trial Φ18 150mm
41	KB.SGT.0009	Stem Plug trial
42	KB.SGT.0002	OFFSET ADAPTOR TRIAL 02mm
43	KB.SGT.0004	OFFSET ADAPTOR TRIAL 04mm
44	KB.SGT.0006	OFFSET ADAPTOR TRIAL 06mm

Instrument Ordering Information

No.	Part No.	Description
1	KB.STC.0011	Tibial Keel Punch (S)
2	KB.STC.0012	Tibial Keel Punch (M)
3	KB.STC.0013	Tibial Keel Punch (L)
4	KB.SFC.E012	Femoral AP Cutting Guide #12
5	KB.SFC.E014	Femoral AP Cutting Guide #14
6	KB.SFC.E112	PS Box Cutting Guide #12
7	KB.SFC.E114	PS Box Cutting Guide #14
8	KB.SFC.E203	PS Box Cutting Guide Stem #14~#16
9	KB.SF0.E05L	Spacer #12~#14 5mm
10	KB.SF0.E10L	Spacer #12~#14 10mm
11	KB.SFT.1205	Femoral Distal Augment Trial #12 5mm
12	KB.SFT.1210	Femoral Distal Augment Trial #12 10mm
13	KB.SFT.1405	Femoral Distal Augment Trial #14 5mm
14	KB.SFT.1410	Femoral Distal Augment Trial #14 10mm
15	KB.SFT.E12L	Modular Femoral Component Trial #12 L
16	KB.SFT.E14L	Modular Femoral Component Trial #14 L
17	KB.SFT.E12R	Modular Femoral Component Trial #12 R
18	KB.SFT.E14R	Modular Femoral Component Trial #14 R
19	KB.SFT.E12B	Femoral Box Trial #12
20	KB.SFT.E14B	Femoral Box Trial #14
21	KB.STT.E012	Tibial Baseplate Trial #12
22	KB.STT.E014	Tibial Baseplate Trial #14
23	KB.STT.EK12	Tibial Baseplate Keel Trial #12
24	KB.STT.EK14	Tibial Baseplate Keel Trial #14
25	KB.STT.A125	Tibial Augment Trial A #12 5T
26	KB.STT.A120	Tibial Augment Trial A #12 10T
27	KB.STT.A145	Tibial Augment Trial A #14 5T
28	KB.STT.A140	Tibial Augment Trial A #14 10T
29	KB.STT.B125	Tibial Augment Trial B #12 5T
30	KB.STT.B120	Tibial Augment Trial B #12 10T
31	KB.STT.B145	Tibial Augment Trial B #14 5T
32	KB.STT.B140	Tibial Augment Trial B #14 10T

Instrument Ordering Information

33	KB.STT.E322	Tibial Insert Trial #03 22T
34	KB.STT.E323	Tibial Insert Trial #03 23T
35	KB.STT.E324	Tibial Insert Trial #03 24T
36	KB.STT.E326	Tibial Insert Trial #03 26T
37	KB.STT.E422	Tibial Insert Trial #04 22T
38	KB.STT.E423	Tibial Insert Trial #04 23T
39	KB.STT.E424	Tibial Insert Trial #04 24T
40	KB.STT.E426	Tibial Insert Trial #04 26T
41	KB.STT.E522	Tibial Insert Trial #05 22T
42	KB.STT.E523	Tibial Insert Trial #05 23T
43	KB.STT.E524	Tibial Insert Trial #05 24T
44	KB.STT.E526	Tibial Insert Trial #05 26T
45	KB.STT.E722	Tibial Insert Trial #07 22T
46	KB.STT.E723	Tibial Insert Trial #07 23T
47	KB.STT.E724	Tibial Insert Trial #07 24T
48	KB.STT.E726	Tibial Insert Trial #07 26T
49	KB.STT.E922	Tibial Insert Trial #09 22T
50	KB.STT.E923	Tibial Insert Trial #09 23T
51	KB.STT.E924	Tibial Insert Trial #09 24T
52	KB.STT.E926	Tibial Insert Trial #09 26T
53	KB.STT.EB22	Tibial Insert Trial #11 22T
54	KB.STT.EB23	Tibial Insert Trial #11 23T
55	KB.STT.EB24	Tibial Insert Trial #11 24T
56	KB.STT.EB26	Tibial Insert Trial #11 26T
57	KB.STT.EC10	Tibial Insert Trial #12 10T
58	KB.STT.EC12	Tibial Insert Trial #12 12T
59	KB.STT.EC14	Tibial Insert Trial #12 14T
60	KB.STT.EC16	Tibial Insert Trial #12 16T
61	KB.STT.EC18	Tibial Insert Trial #12 18T
62	KB.STT.EC20	Tibial Insert Trial #12 20T
63	KB.STT.EC22	Tibial Insert Trial #12 22T
64	KB.STT.EC23	Tibial Insert Trial #12 23T
65	KB.STT.EC24	Tibial Insert Trial #12 24T
66	KB.STT.EC26	Tibial Insert Trial #12 26T
67	KB.STT.EE10	Tibial Insert Trial #14 10T
68	KB.STT.EE12	Tibial Insert Trial #14 12T
69	KB.STT.EE14	Tibial Insert Trial #14 14T
70	KB.STT.EE16	Tibial Insert Trial #14 16T
71	KB.STT.EE18	Tibial Insert Trial #14 18T
72	KB.STT.EE20	Tibial Insert Trial #14 20T
73	KB.STT.EE22	Tibial Insert Trial #14 22T
74	KB.STT.EE23	Tibial Insert Trial #14 23T
75	KB.STT.EE24	Tibial Insert Trial #14 24T
76	KB.STT.EE26	Tibial Insert Trial #14 26T

PREOPERATIVE PLANNING

The Exult Knee System offers an anatomically featured shape for a cruciate retaining (CR) and a posterior stabilized(PS) knee within a single system to reproduce better natural knee motion and increase implant longevity. Each surgeon is responsible for determining the approprate device and technique for each patient. Exult Instrumentation is designed to address patient variables and individual surgeon preferences. This surgical protocol depicts tibial preparation after femoral preparation. This order may be changed to address patient indications or surgeon preferences.

33-2, Banpo-daero 20-gil, Seocho-gu,
Seoul, Republic of Korea [06649]

T +82 041-585-7114
E corentec@corentec.com

브로셔 일련번호