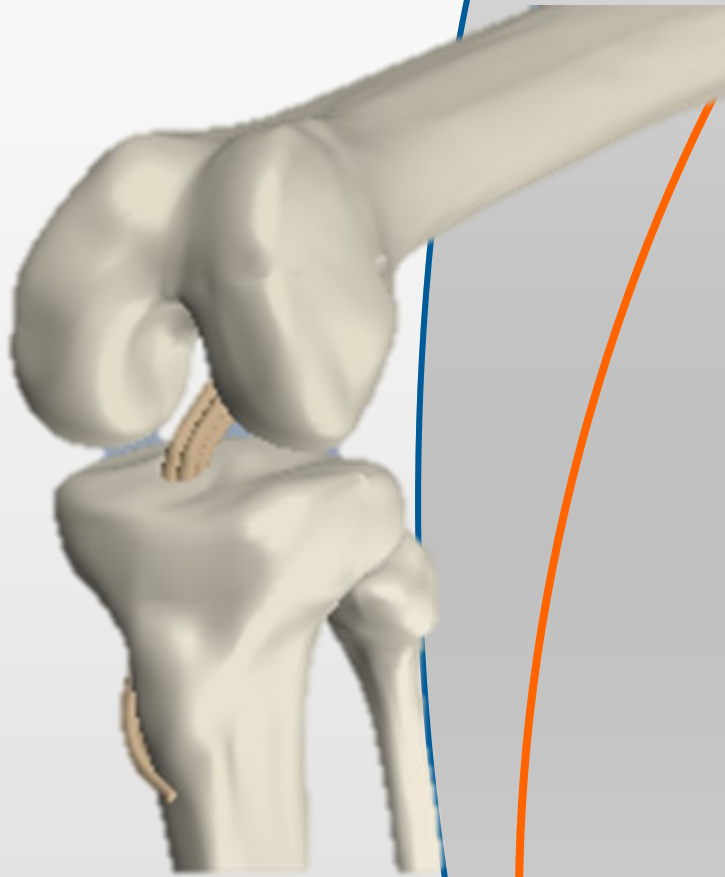


MODULAR

OUTSIDE - IN



SURGICAL TECHNIQUE
MECHANICAL
INSTRUMENTATION



AMPLITUDE[®]

Note :

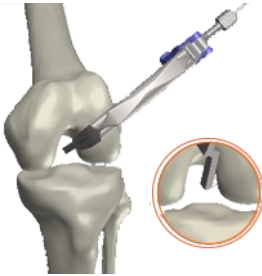
This document aim to have a correct use of instrumentation set. Anatomical acces and surgical technique are under responsibility of surgeon.

SURGERY TECHNIQUE SUMMARY

1

Femoral Placement

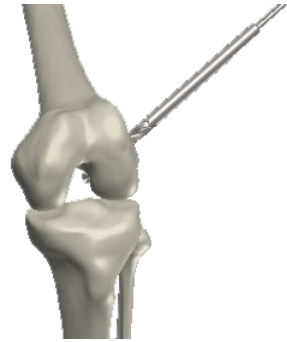
Assemble the femoral aimer. Place the instrument in the joint and hook the posterior notch outlet
Drill the wire pine guide in the guide and check the positioning



2

Femoral drilling

Drill the tunnel using cannulated drill corresponding to the graft diameter on the trocar guide pin.wire pine guide



3

Tibial placement

Assemble the modular tibial aimer. Place the aimer in the joint. Drill the pin wire in the guide and check the positioning



4

Tibial drilling

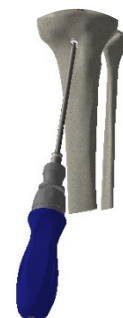
Drill the tunnel using cannulated reamer corresponding to the graft diameter on the wire pin guide.



5

Fixation

place the graft using the traction wires and fix it with interference screws

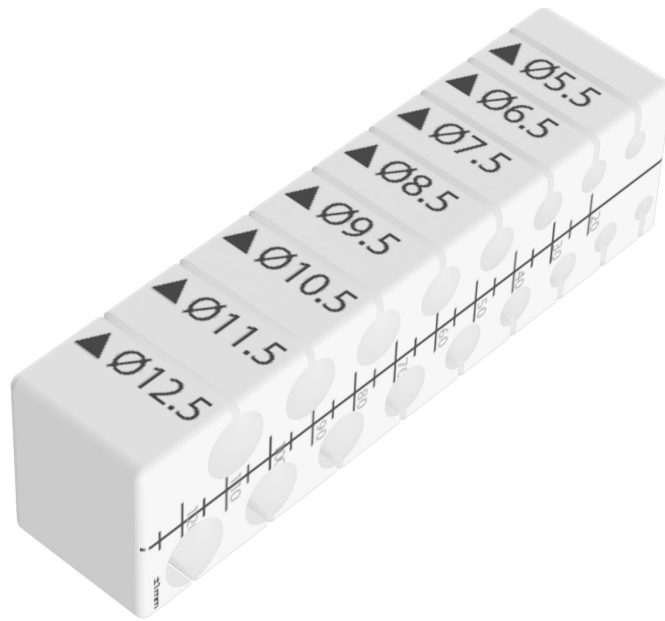


HARVESTING



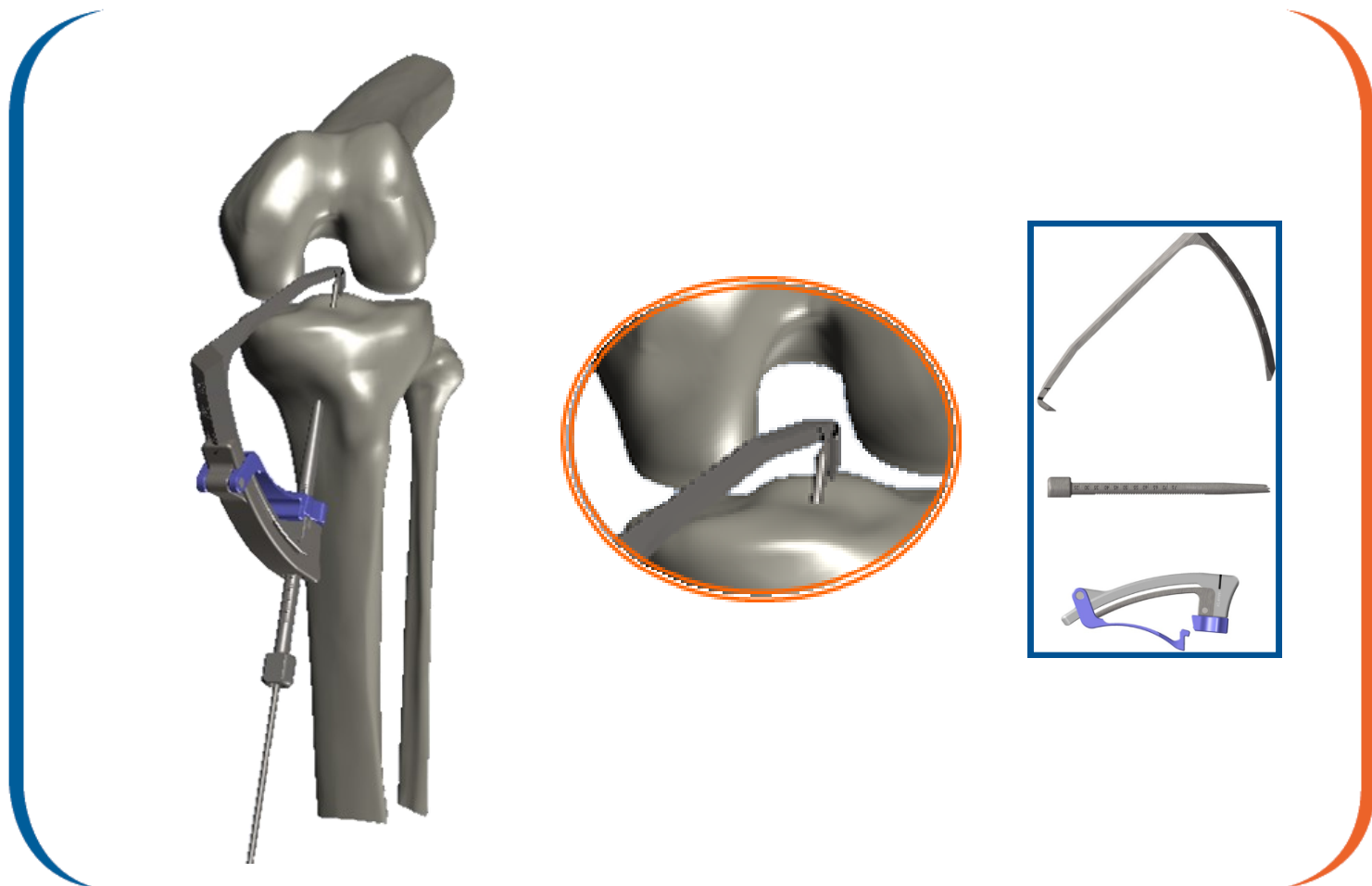
- Use the open stripper to harvest the semitendiosus and gracilis tendons
- Prepare and suture the graft as usual. You can preserve the tendons insertion.

CALIBRATION



- Calibrate (diameter and length) the graft using graft sizer.

TIBIAL PLACEMENT

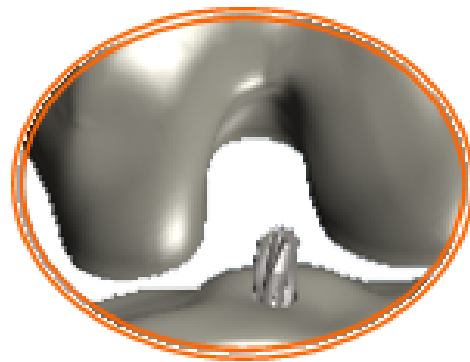


- Assemble the tibial guide
- Place the tibial guide tip on the ACL footprint
- Insert the modular tibial guide sleeve until cortex bone contact without applying force.
- Drill the wire pin guide through the modular tibial guide sleeve
- After check the pin wire guide position, remove the tibial guide from the joint.

Remarque :

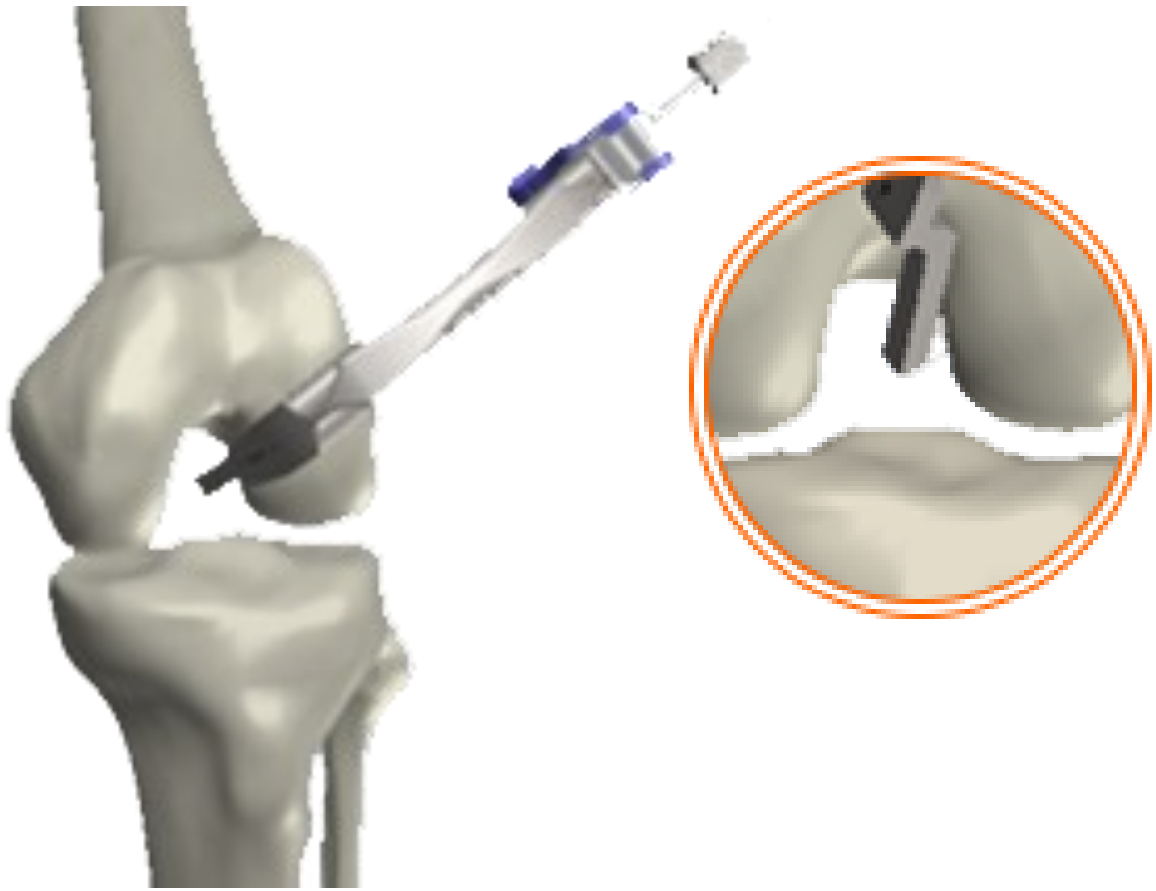
The laser marking indicate the exit point of the wire pin guide

TIBIAL DRILLING



- Place a cannulated drill according to the graft diameter on the trocar guide pin
- Drill the tibial tunnel from extra articular to intra articular
- Remove the cannulated drill

FEMORAL PLACE-

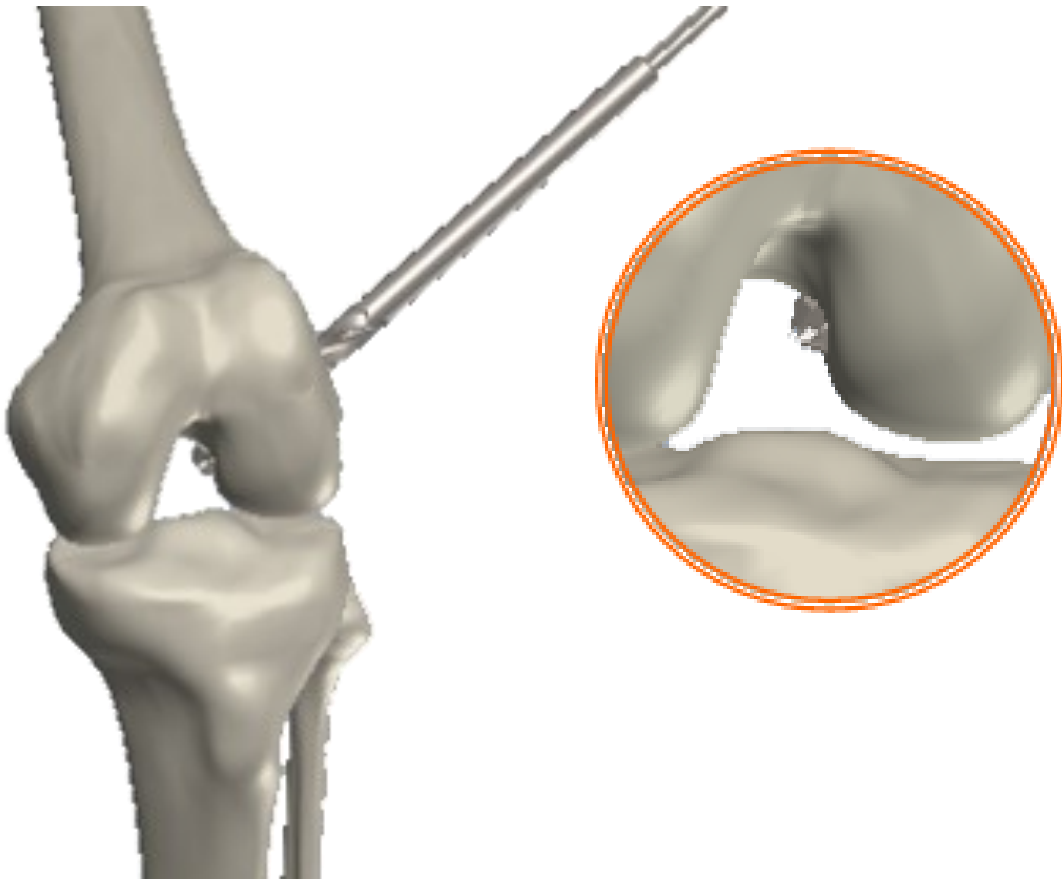


- Assemble the femoral guide
- Hooked the posterior notch outlet with guide « hook shape » tip of the guide.
- Make a skin incision on lateral condyle over the LCL (Lateral Colateral ligament) for modular tibial guide sleeve positionning.
- Insert the Modular tibial guide sleeve until cortex bone contact through the skin incision.
- Drill the wire guide pin passing through the modular tibial guide sleeve
- Check the pin wire guide position, remove the tibial guide from the joint.

Remarque :

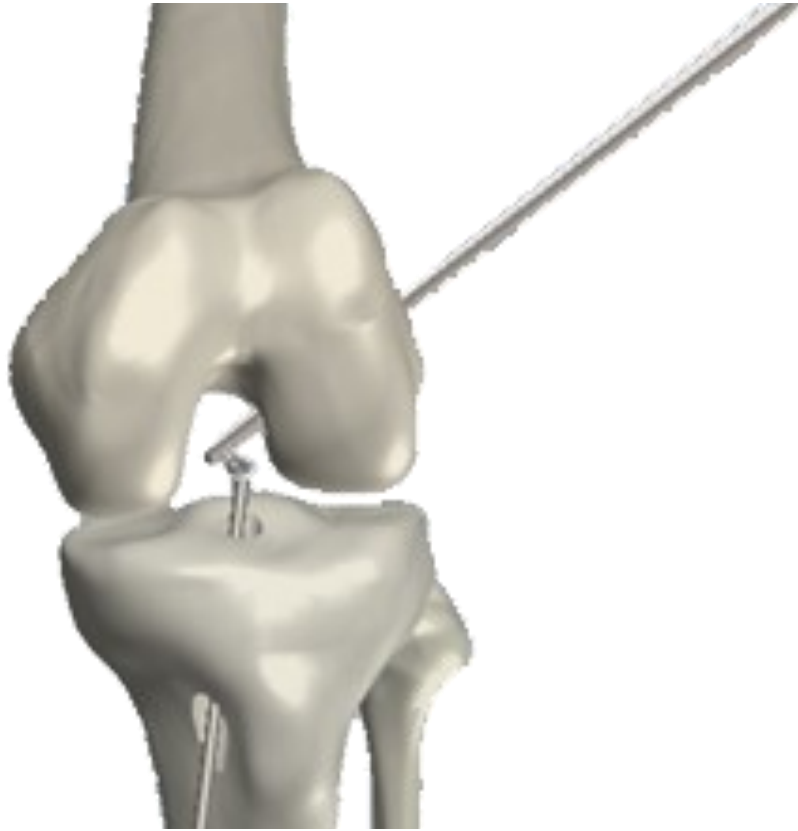
The guide pin emerges at 7 mm from the hook

FEMORAL DRILLING



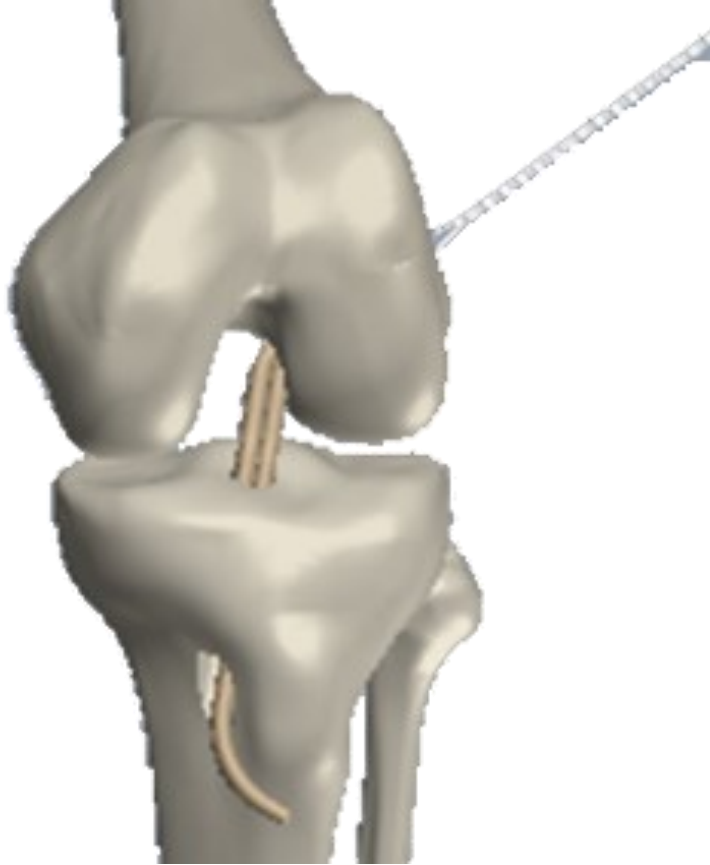
- Place a cannulated drill according to the graft diameter on the trocar guide pin
- Drill the femoral tunnel from extra articular to intra articular
- Remove the cannulated drill

RELAY LOOP PASSING



- Passe the suture passing through the femoral tunnel
- Collect the suture passing from the joint through the tibial tunnel
- The loop come out the tibial tunnel

GRAFT POSITIONING



- Suture wire of the graft is passing through the suture passing loop
- Pull the passing sutures at the femoral level until the suture wire of the graft exit the femoral tunnel
- Pull the suture wire of the graft until The graft get in place in the knee.

FEMORAL FIXATION



○ Tapping :

- Case of use of shank screw starter : assemble the Shank starter Ø 7mm trinkle amended to the Ratcheting trinkle amended driver handle.
- Pull the suture wire of the graft at the femoral level
- Place the screwguide wire into the femoral tunnel
- pass the assembled instrument or the Tap for interference screws L 20-25-30mm through the femoral tunnel over the the screwguide wire

○ Screwing :

- Case of use of shank screw driver : assemble Shank screwdriver ECLIPSE® BCP trinkle amended to the Ratcheting trinkle amended driver handle.
- Position the interference screw (ECLIPSE® BCP or ECLIPSE® PROFIL) onto the assembled instrument or the Universal screwdriver Biomatlante Ø 7-8-9-10-11-12mm.
- Insert the screw into the femoral tunnel over the screw guide wire by maintaining tension on the the suture wire of the graft

TIBIAL FIXATION



○ Tapping :

- Case of use of shank screw starter : assemble the Shank starter Ø 7mm trinkle amended to the Ratcheting trinkle amended driver handle.
- Pull the suture wire of the graft at the tibial level
- Place the screwguide wire into the tibial tunnel
- pass the assembled instrument or the Tap for interference screws L 20-25-30mm through the tibial tunnel

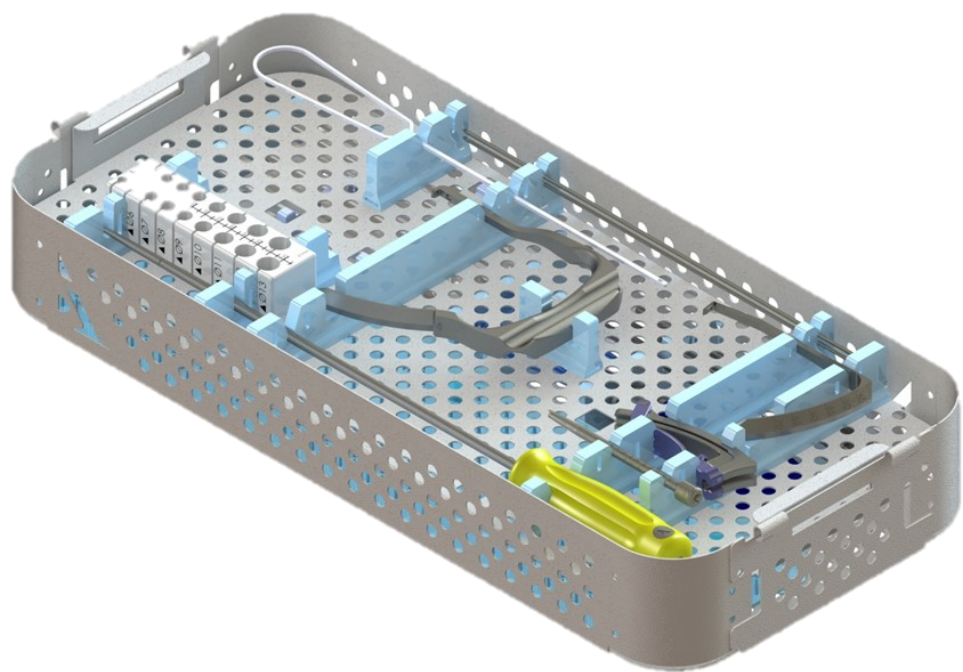
○ Screwing :

- Case of use of shank screw driver : assemble Shank screwdriver ECLIPSE®BCP trinkle amended to the Ratcheting trinkle amended driver handle.
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- Insert the screw into the tibial tunnel over the screw guide wire by maintaining tension on the the suture wire of the graft

OUTSIDE IN MODULAR SET

2-0299957

OVERHEAD TRAY

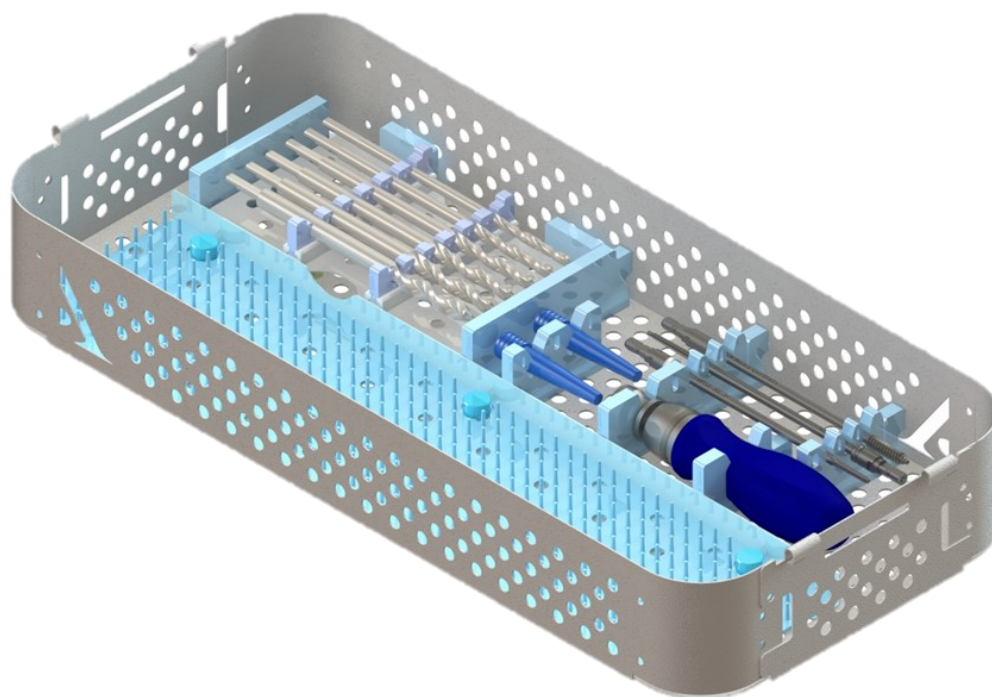


Modular Femoral Aimer AM 7mm	2-0405800
Landanger chas 300 mm	J80200
Graft size	2-0401800
Open Stripper Ø5mm	2-0405505
Modular guide body / handle	2-0404800
Modular tibial guide sleeve	2-0404900
Modular tibial aimer	2-0405000
Wire pin guide Ø2,4mm Lg300mm	2-0405600

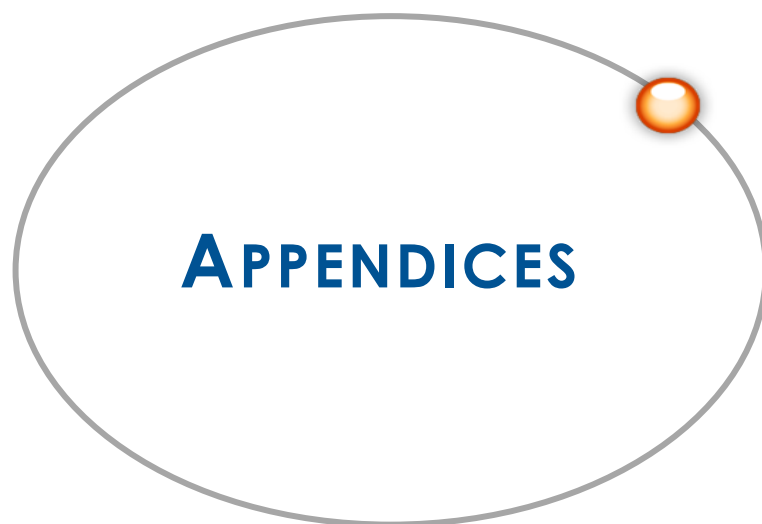
OUTSIDE IN MODULAR SET

2-0299957

LOW TRAY



Cannulated drill Ø6mm	2-0402906
Cannulated drill Ø7mm	2-0402907
Cannulated drill Ø8mm	2-0402908
Cannulated drill Ø9mm	2-0402909
Cannulated drill Ø10mm	2-0402910
Cannulated drill Ø11mm	2-0402911
Ratcheting trinkle amended driver handle	2-0406400
Wire Nitinol Ø 1.1mm lenght 300mm	15INBR001F10
Screw guidewire Ø 1.1mm lenght 240mm	2-0405700
Shank screwdriver ECLIPSE® BCP trinkle amended	2-0406200
Shank starter Ø 7mm trinkle amended	2-0406300
Tunnel obturator size 2	2-0402702
Universal screwdriver Biomatlante Ø 7-8-9-10-11-12mm	16INTO001
Tap for interference screws L 20-25-30mm	11INTA001

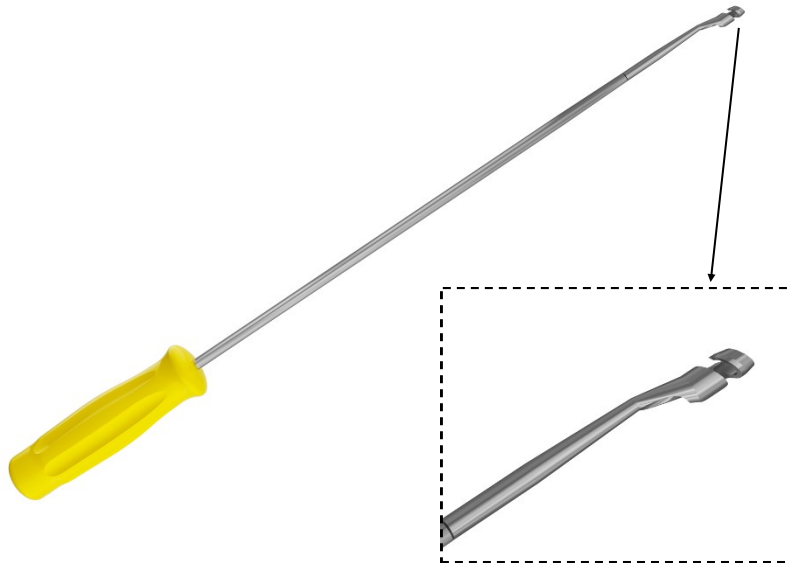


Instrumentation Set Présentation

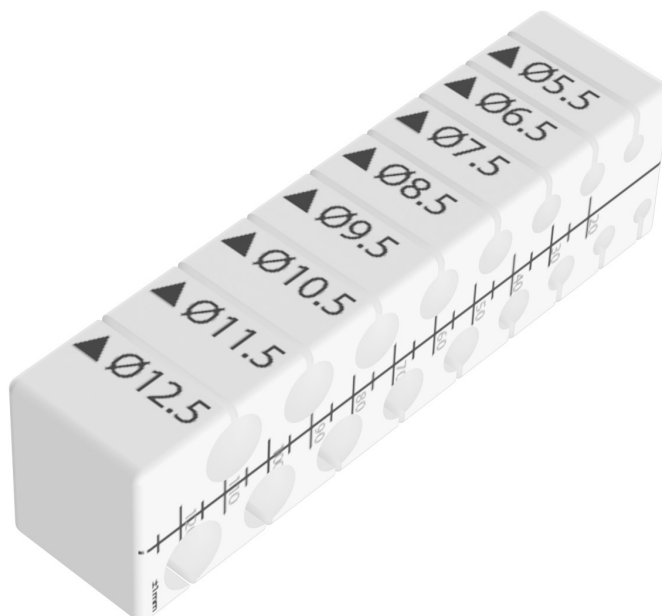
INSTRUMENTATION SET DESCRIPTION

HARVESTING

- Open Stripper Ø 5mm: length 350 mm



- Graft sizer: diameter and length



INSTRUMENTATION SET DESCRIPTION

FIXATION

- Ratcheting trinkle driver handle



- Shank starter Ø 7mm Trinkle amended



- Shank screwdriver dedicated to ECLIPSE® BCP et ECLIPSE® Profil



- Wire Nitinol Ø 1.1mm lenght 300mm and Wire pin guide Ø2,4mm Lg300mm



- Universal screwdriver Biomatlante Ø 7-8-9-10-11-12mm



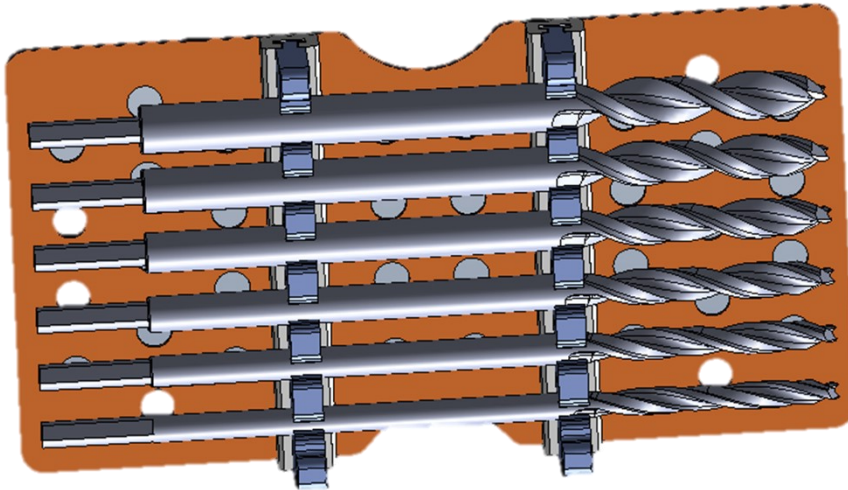
- Tap for interference screws L 20-25-30mm



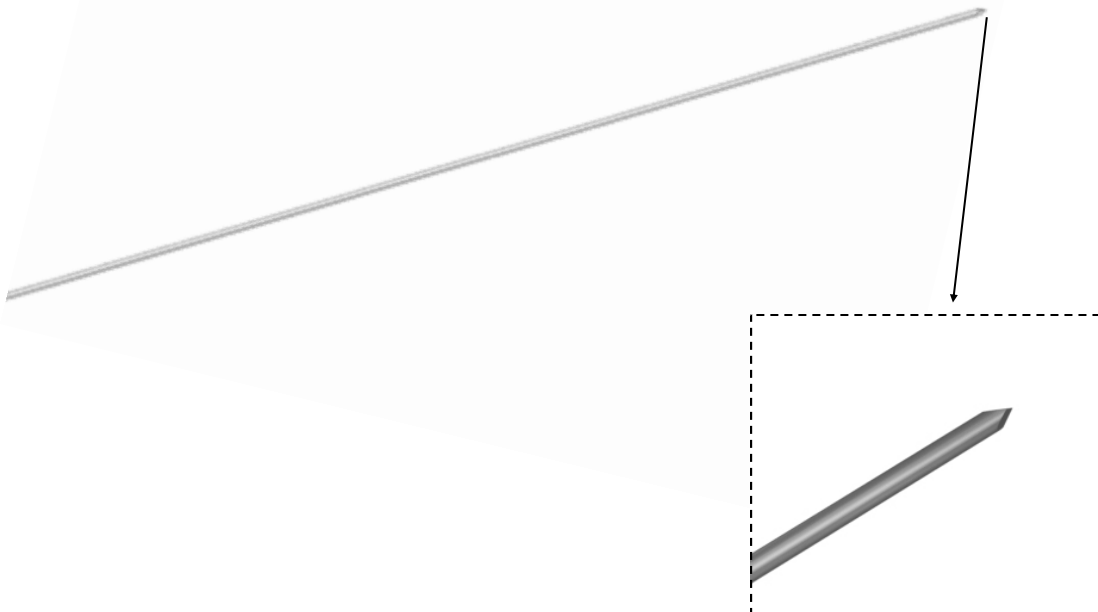
INSTRUMENTATION SET DESCRIPTION

DRILLING

- Cannulated drill
 - Diameters: 6/7/8/9/10 et 11 mm.



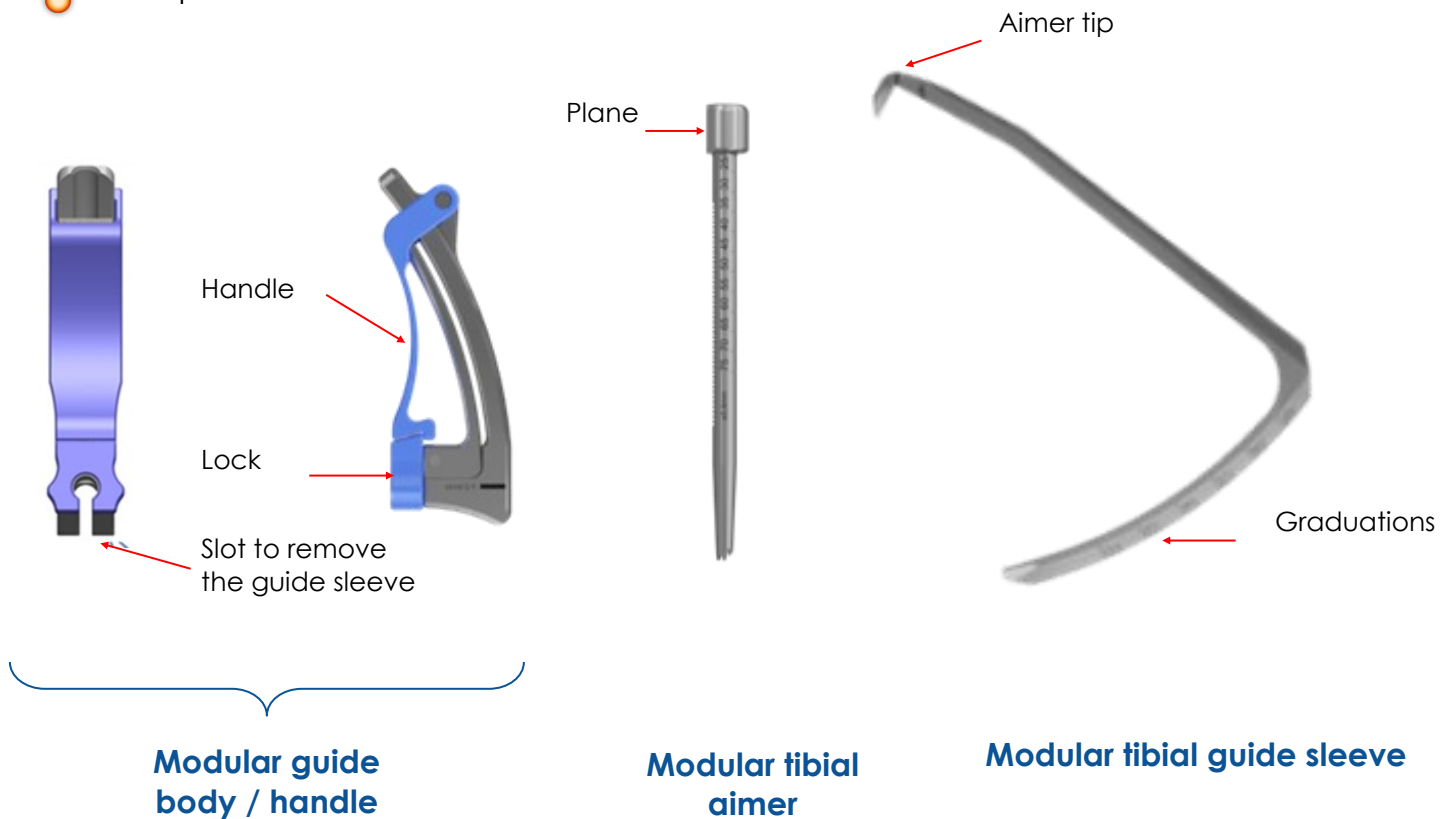
- Wire pin guide Ø2,4mm Lg300mm



INSTRUMENTATION SET DESCRIPTION

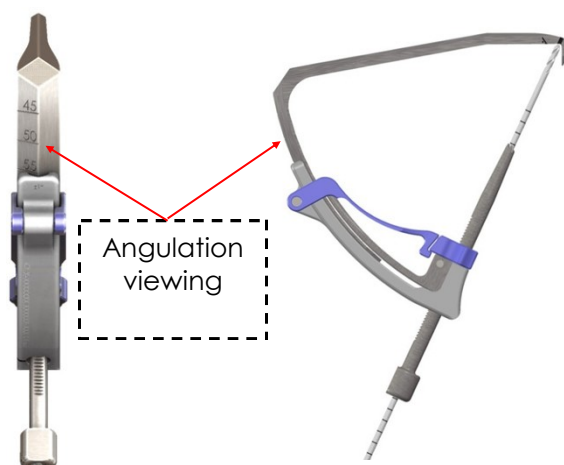
MODULAR TIBIAL GUIDE

Description



MODULAR TIBIAL GUIDE

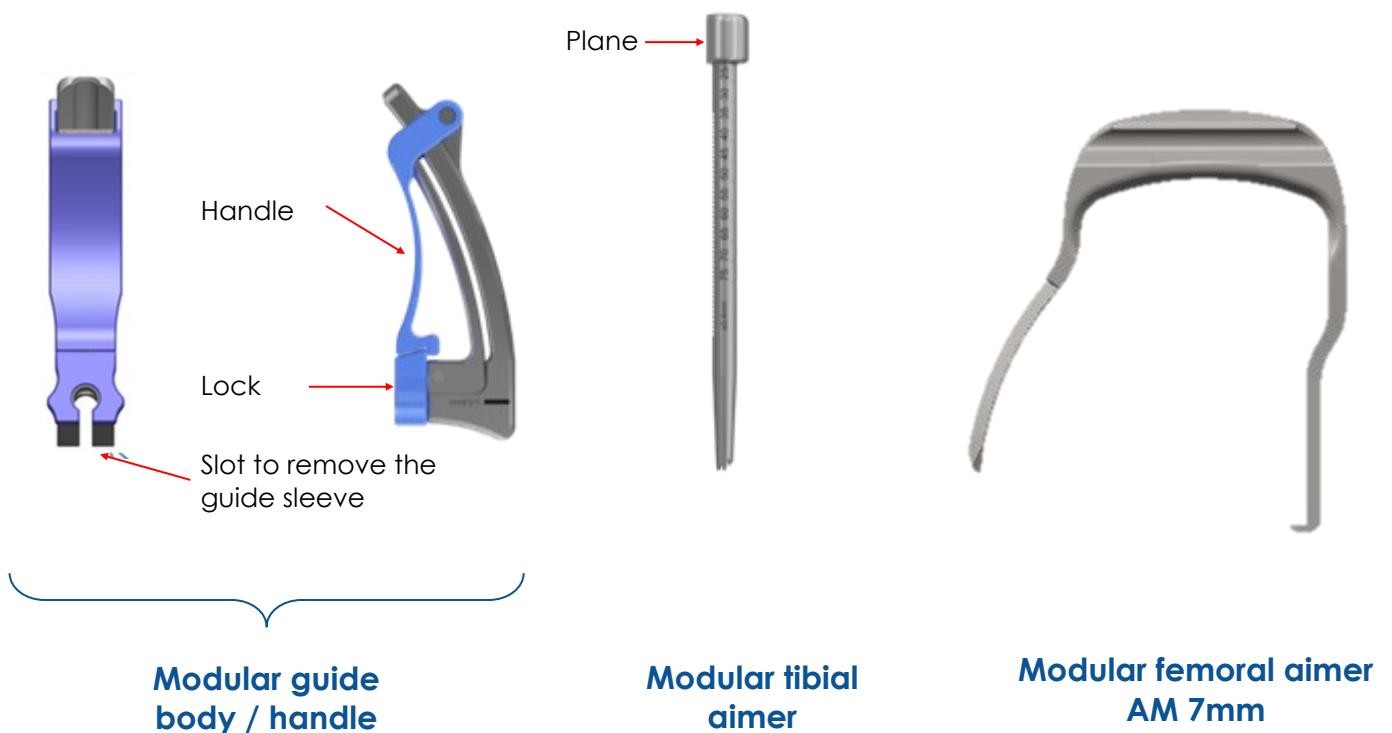
- Angulation 45° to 70°
- The pin will emerge in the bend of the guide



INSTRUMENTATION SET DESCRIPTION

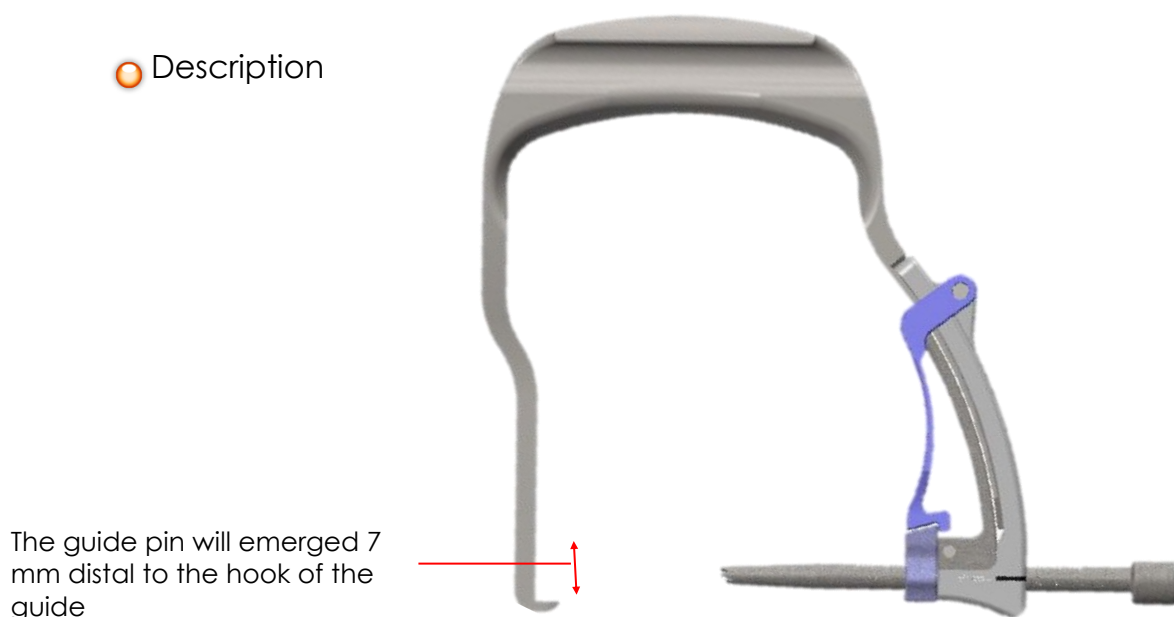
MODULAR FEMORAL GUIDE OUT IN

Description

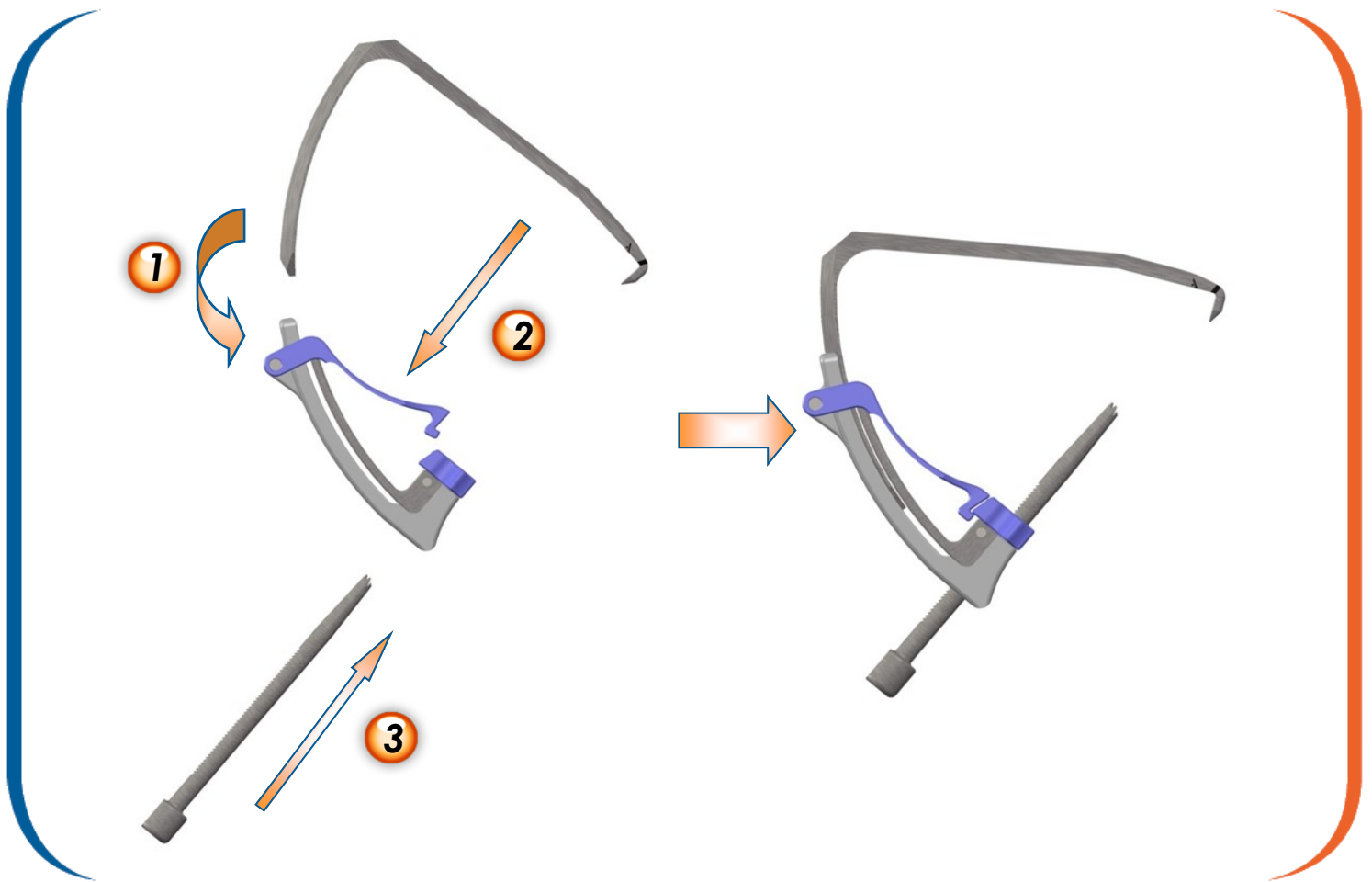


MODULAR FEMORAL GUIDE OUT IN

Description



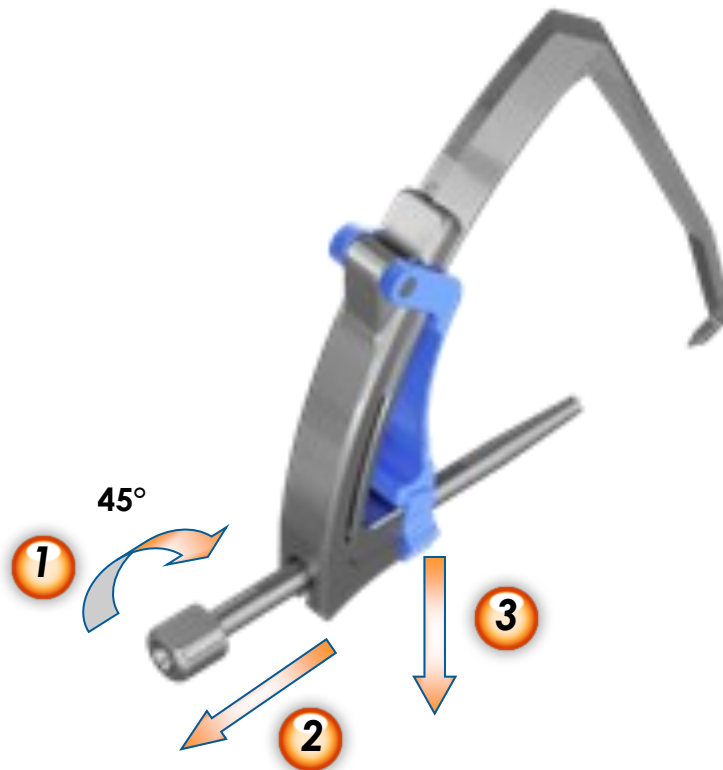
MODULAR TIBIAL GUIDE ASSEMBLY



- 1 Insert the modular tibial aimer into the modular guide handle to select angulation 1
- 2 Lock the guide (Modular tibial aimer + Modular guide handle) by pulling the blue handle towards the guide handle 2
- 3 Insert the modular tibial guide sleeve into the Modular Guide Handle with the ratchet mechanism facing upward 3

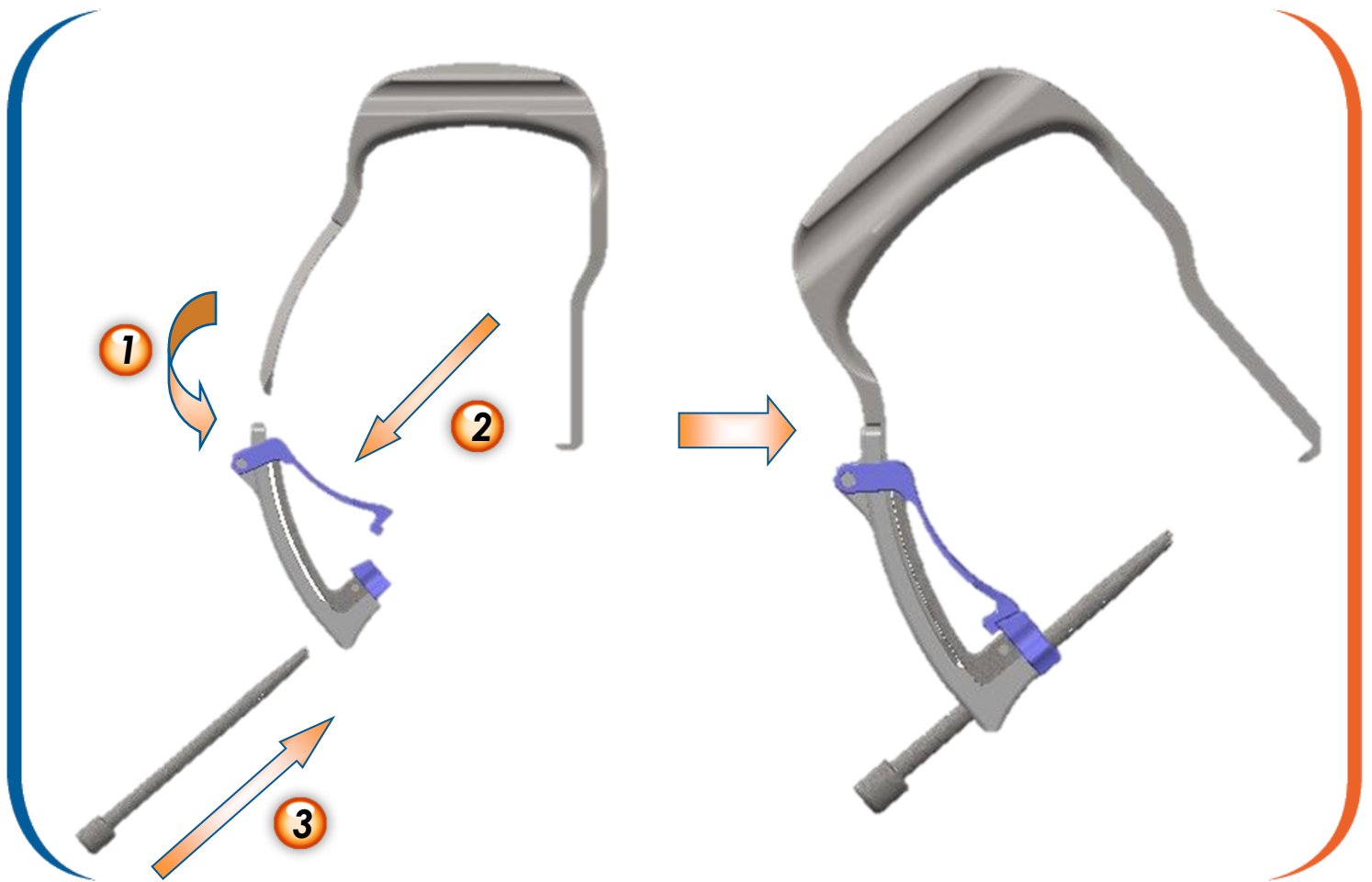
The modular tibial guide sleeve cannot be inserted if the modular guide handle and aimer are not locked correctly. If this occurs, remove the aimer from the guide handle. Reassemble the handle and aimer, then reinsert the guide sleeve.

CHANGING THE DRILL GUIDE ANGLE



- Turn the guide sleeve a quarter turn **1**
- Remove the Modular tibial guide sleeve **2**
- Unlock the tibial guide by pulling the lock downwards. This action releases the lock and the tibial guide sleeve **3**
- Modify the angulation of the guide
- Lock the guide

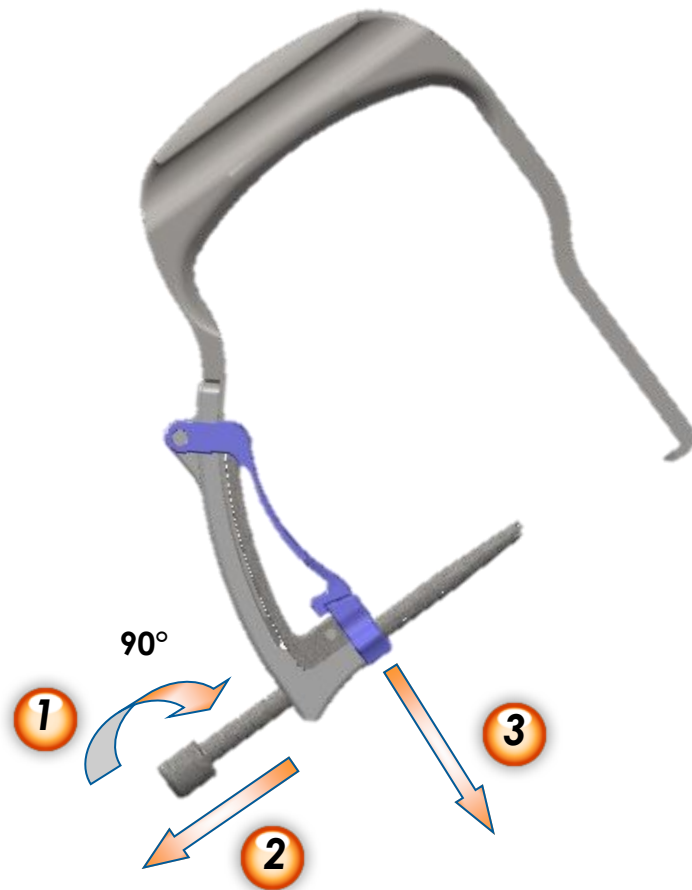
MODULAR FEMORAL ASSEMBLY



- Insert the femoral aimer AM 7 mm into the modular guide handle **1**
- lock the guide (Modular sleeve AM 7 mm + Modular guide handle) by pulling the blue handle towards the guide handle **2**
- Insérer le canon de visée méplat orienté vers le haut dans le corps de viseur **3**

The modular tibial guide sleeve cannot be inserted if the modular guide handle and aimer are not locked correctly. If this occurs, remove the aimer from the guide handle. Reassemble the handle and aimer, then reinsert the guide sleeve.

CHANGING THE DRILL GUIDE ANGLE



- Turn the guide sleeve a quarter turn **1**
- Remove the Modular femoral sleeve **2**
- Unlock the femoral guide by pulling the lock downwards. This action releases the lock and the modular femoral aimer **3**
- Modify the angulation of the guide
- Lock the guide

NOTES

NOTES



AMPLITUDE[®]

Service Clients-France :

Porte du Grand Lyon,
01700 Neyron, France
Tel. : +33 (0)4 37 85 19 19
Fax : +33 (0)4 37 85 19 18

E-mail : amplitude@amplitude-ortho.com

Customer Service-Export :

11, cours Jacques Offenbach. Zone Mozart 2,
26000 Valence, France
Tel. : +33 (0)4 75 41 87 41
Fax : +33 (0)4 75 41 87 42

Internet : www.amplitude-ortho.com