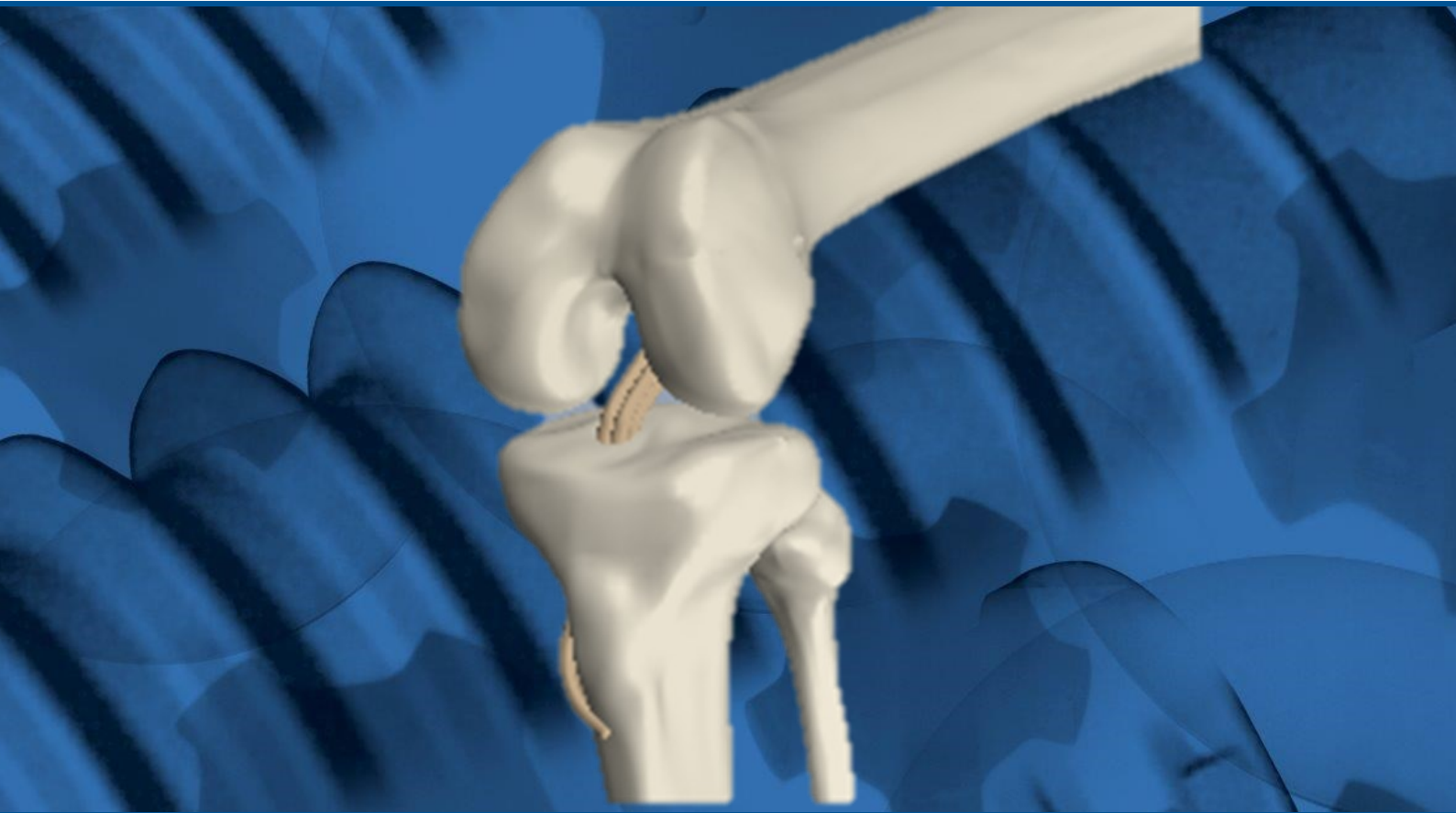


ACL Reconstruction Inside-Out Surgical Technique

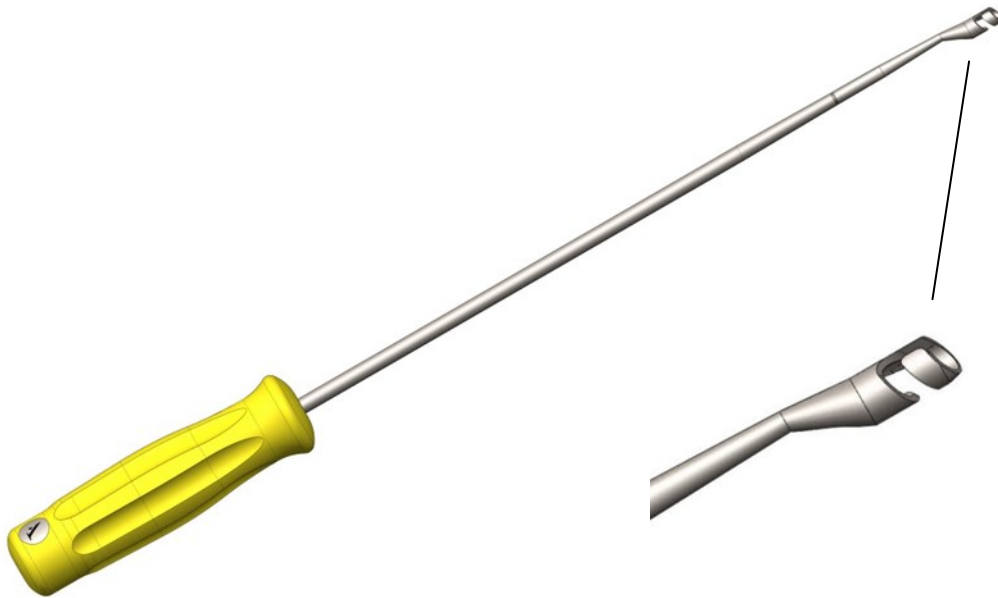


Instrumentation Description

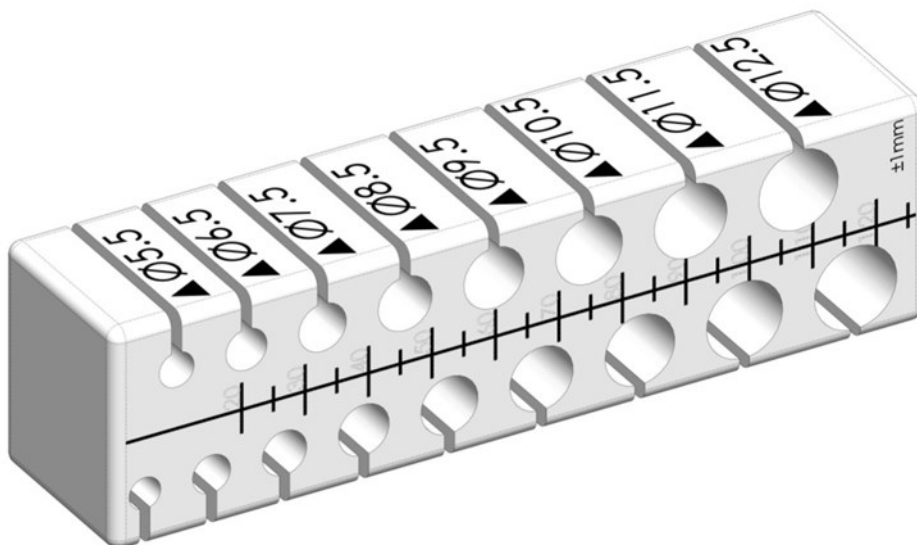
Instrumentation Description

- **Tendon Harvester**

- Open Stripper Ø 5mm: length 350 mm



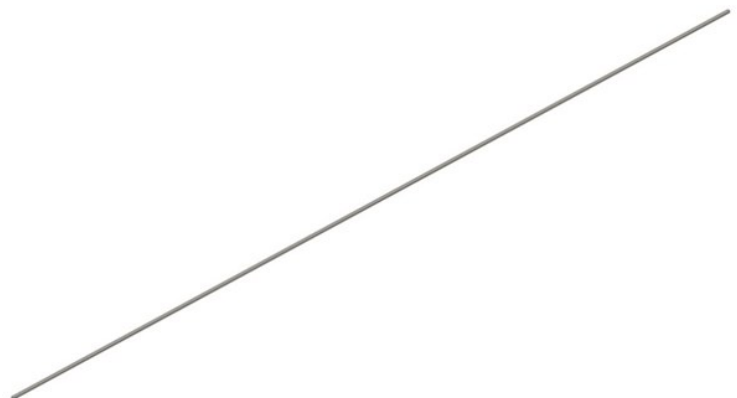
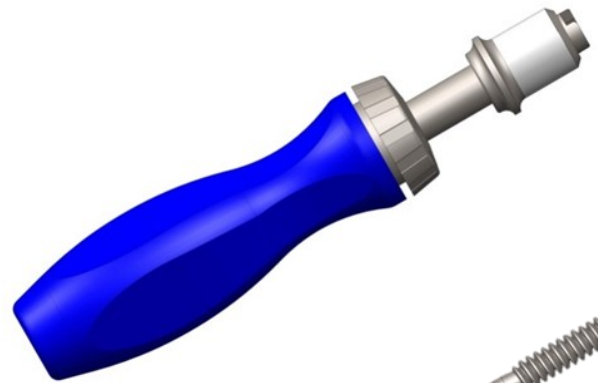
- **Calibreur gradué : diamètre et longueur**



Description Ancillaire

Fixation

- Ratcheting trinkle driver handle
- Shank starter ECLIPSE® BCP Trinkle amended
- Shank screwdriver ECLIPSE® BCP Trinkle amended
- Wire Nitinol Ø 1.1mm, lenght 40 cm



Description Ancillaire

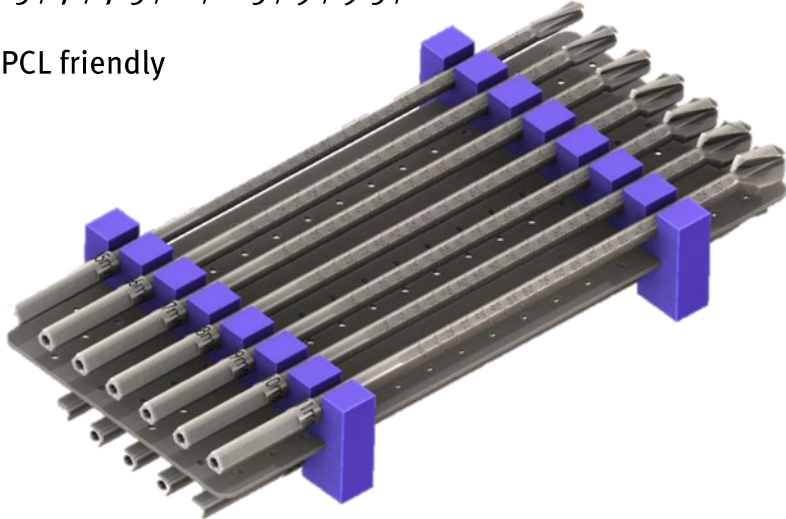
Drilling

- Cannulated reamers

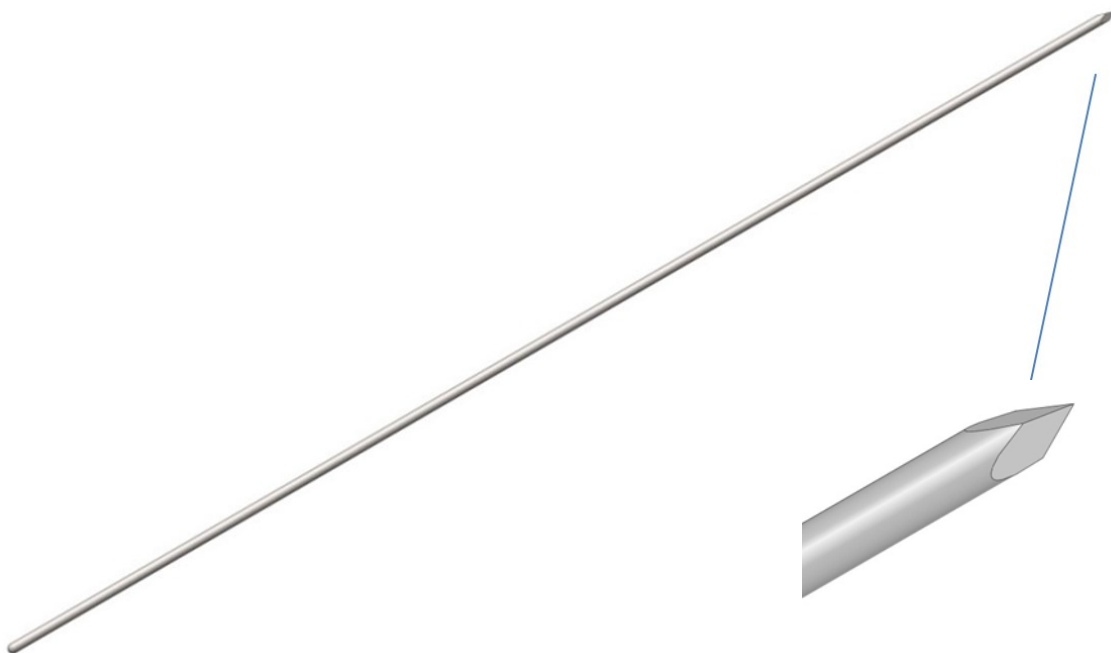
- Diameters: 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 and 11 mm.

- Proximal cutting only to PCL friendly

-



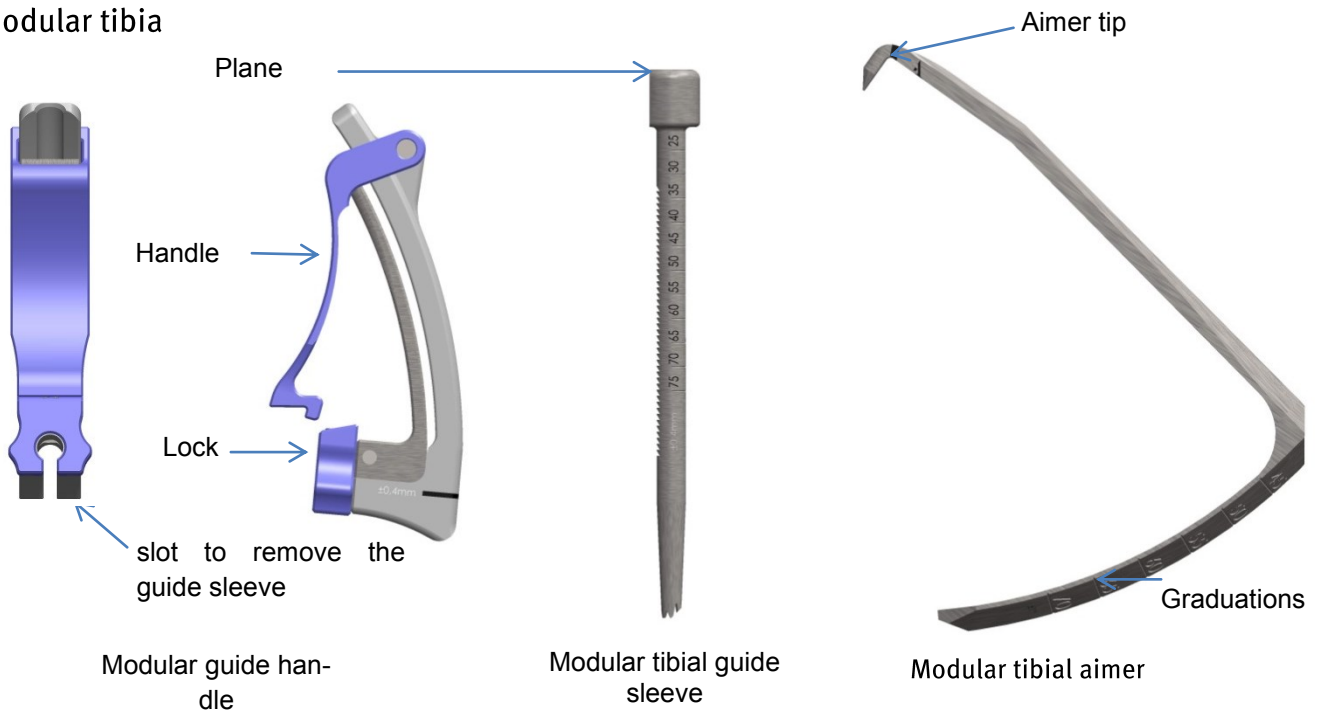
- Trocar pin guide Ø2.4 mm Lg 350 mm



Description Ancillaire

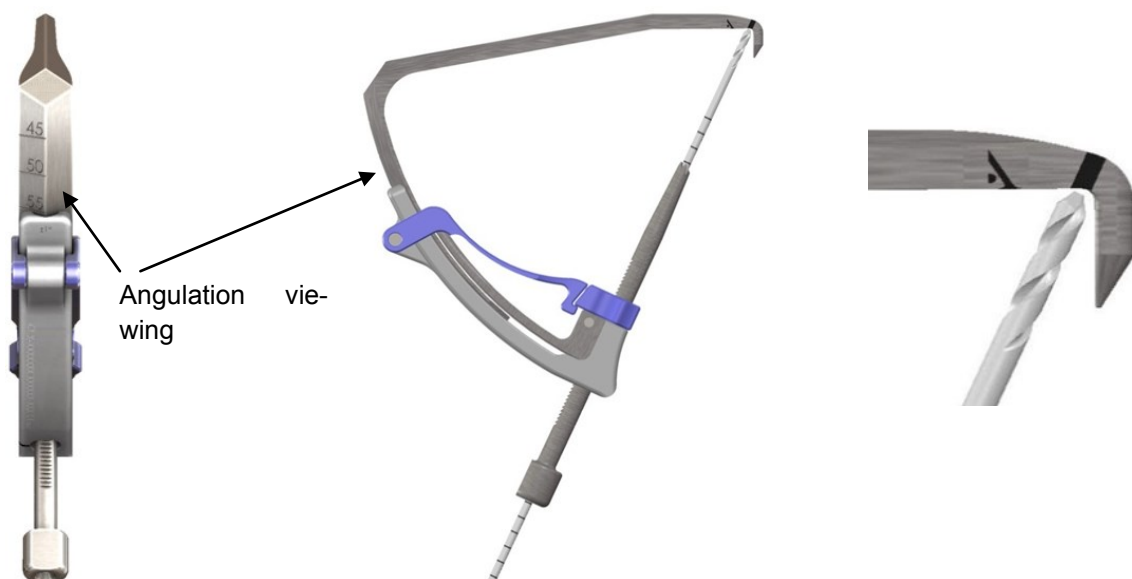
Modular tibial guide

modular tibia



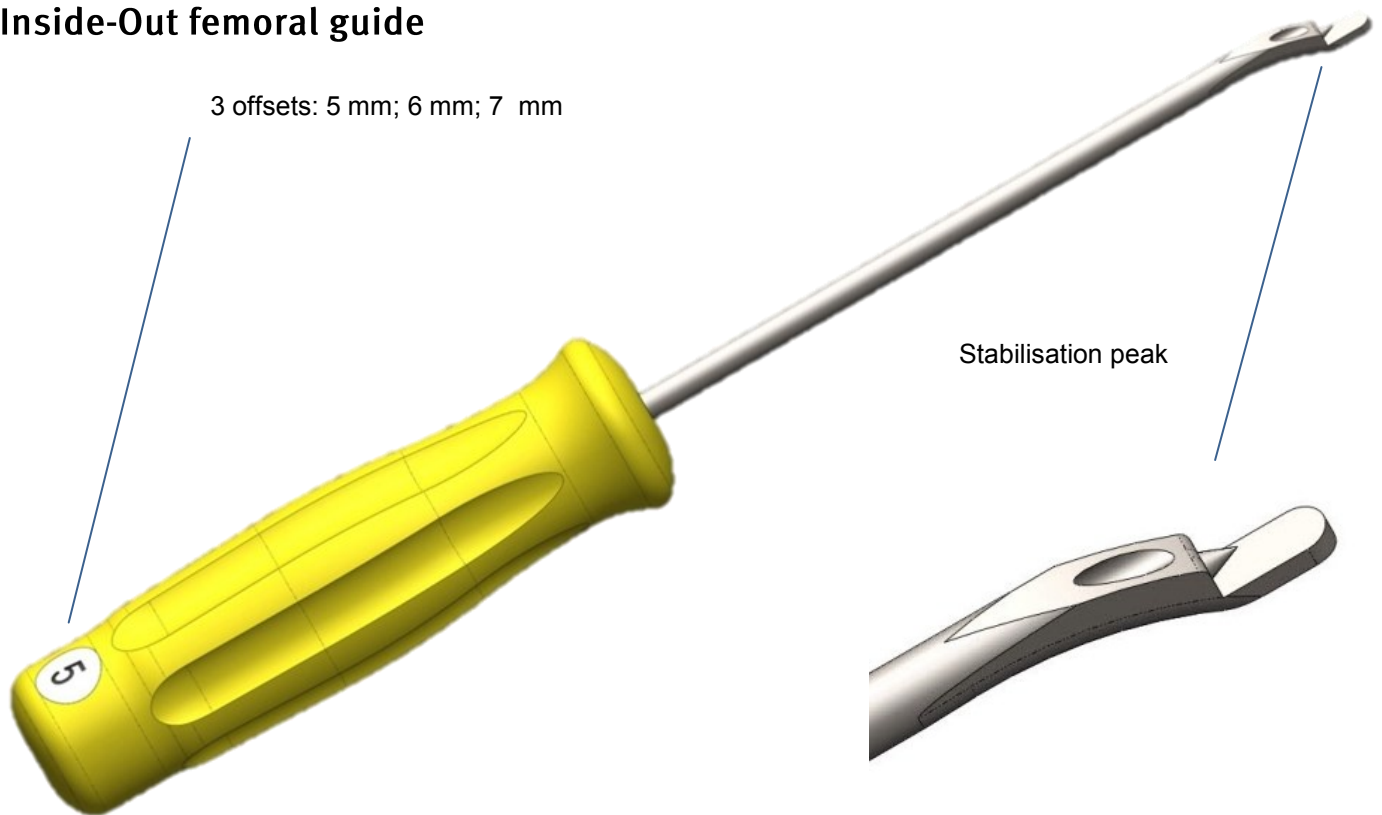
Features

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



Description Ancillaire

Inside-Out femoral guide



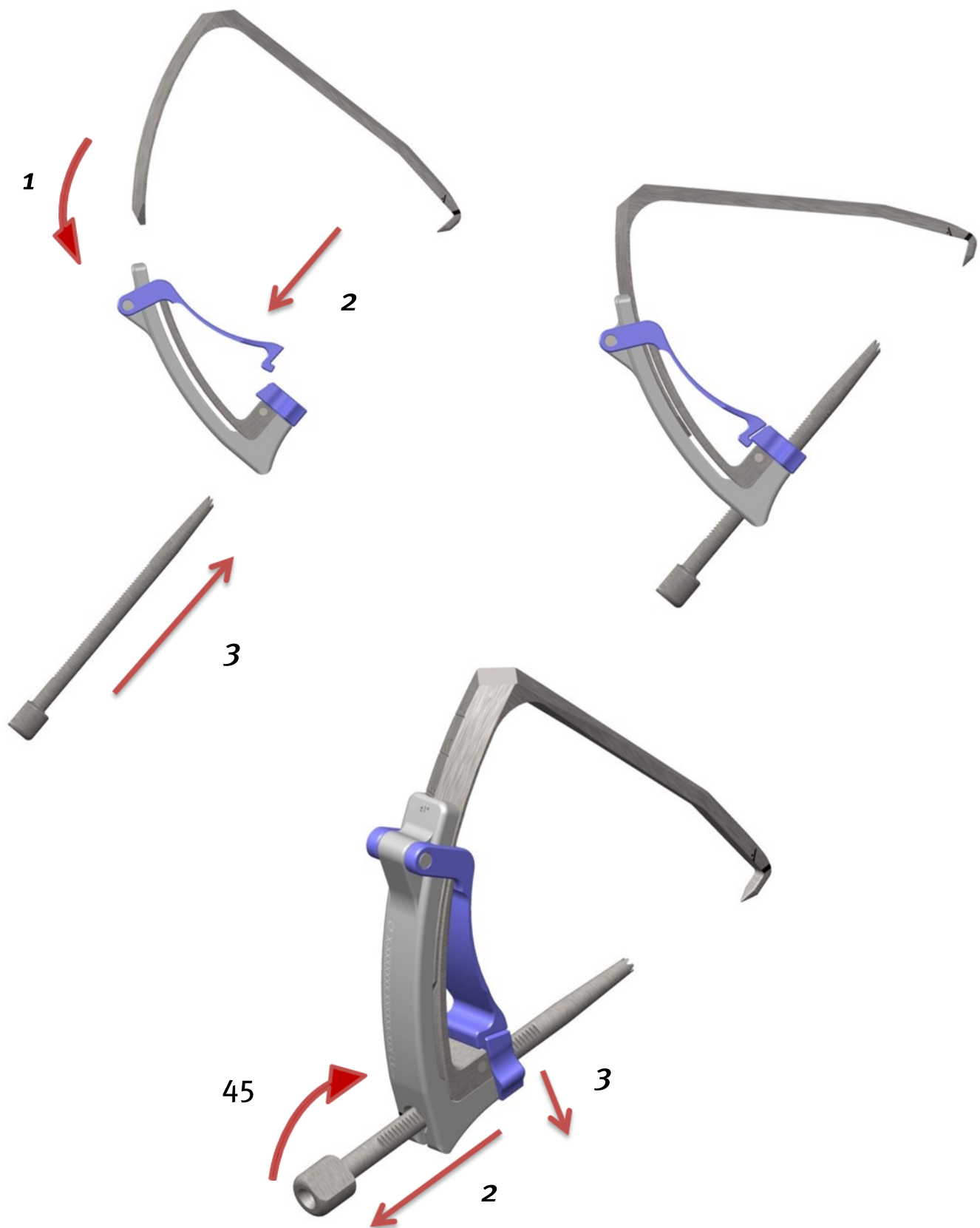
Threaded graduated Eyelet pin Ø2.4 mm Lg 350 mm



Trocar eyelet pin Ø2.4 mm Lg 350 mm



Modular tibial guide assembly



Modular tibial guide assembly

- Insert the modular tibial aimer into the modular guide handle to the select angulation (1)
- lock the guide (Modular tibial aimer + Modular guide handle) by pulling the blue handle towards the guide handle(2)
- 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 the aimer are not locked correctly. If this occurs, remove the aimer from the guide handle. Reassemble the handle and the 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

Implants AMPLITUDE résorbables

● ECLIPSE® Profil : CE0499

Composition :

100% PLDLLA (70/30) amorphe

Product range

1-0402771	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 7 Lg 20 mm
1-0402772	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 7 Lg 25 mm
1-0402773	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 7 Lg 30 mm
1-0402781	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 8 Lg 20 mm
1-0402782	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 8 Lg 25 mm
1-0402783	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 8 Lg 30 mm
1-0402791	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 9 Lg 20 mm
1-0402792	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 9 Lg 25 mm
1-0402793	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 9 Lg 30 mm
1-0402702	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 10 Lg 25 mm
1-0402703	Resorbable Poly-lactic Interference Screw ECLIPSE® Profil Ø 10 Lg 30 mm



● ECLIPSE® BCP : CE0499

Composition :

75 % PLDLLA amorphe

25 % HA et B TCP

Product range

1-0401071	ECLIPSE® BCP absorbable interference screw Ø 7 lg 20 mm
1-0401072	ECLIPSE® BCP absorbable interference screw Ø 7 lg 25 mm
1-0401073	ECLIPSE® BCP absorbable interference screw Ø 7 lg 30 mm
1-0401081	ECLIPSE® BCP absorbable interference screw Ø 8 lg 20 mm
1-0401082	ECLIPSE® BCP absorbable interference screw Ø 8 lg 25 mm
1-0401083	ECLIPSE® BCP absorbable interference screw Ø 8 lg 30 mm
1-0401091	ECLIPSE® BCP absorbable interference screw Ø 9 lg 20 mm
1-0401092	ECLIPSE® BCP absorbable interference screw Ø 9 lg 25 mm
1-0401093	ECLIPSE® BCP absorbable interference screw Ø 9 lg 30 mm
1-0401012	ECLIPSE® BCP absorbable interference screw Ø 10 lg 25 mm
1-0401013	ECLIPSE® BCP absorbable interference screw Ø 10 lg 30 mm



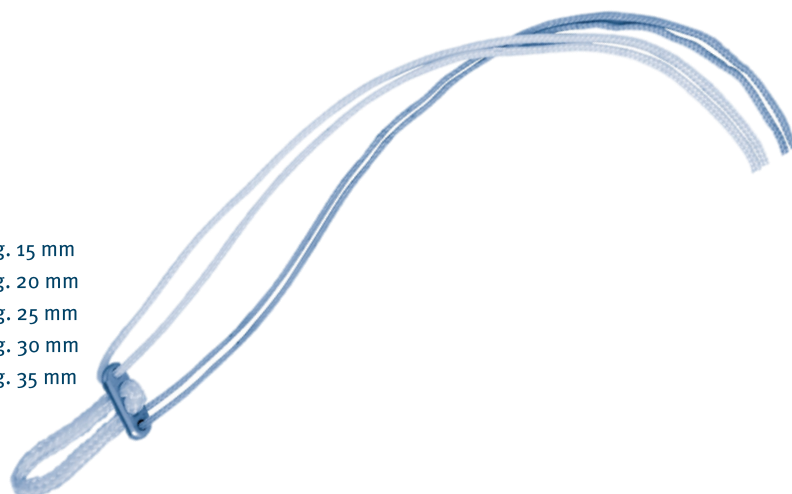
Implants Amplitude Non résorbable

- **COMETE® :** CE0120

ACL femoral cortical fixation

Product range

OAMGEFX15U	COMETE® ACL femoral cortical fixation long. 15 mm
OAMGEFX20U	COMETE® ACL femoral cortical fixation long. 20 mm
OAMGEFX25U	COMETE® ACL femoral cortical fixation long. 25 mm
OAMGEFX30U	COMETE® ACL femoral cortical fixation long. 30 mm
OAMGEFX35U	COMETE® ACL femoral cortical fixation long. 35 mm



- **SUTORTHO® 0.7** CE0499

Suture

Tendon and ligament reintegration

1-0402600 SUTORTHO 0.7 Suture for tendon and ligament reintegration

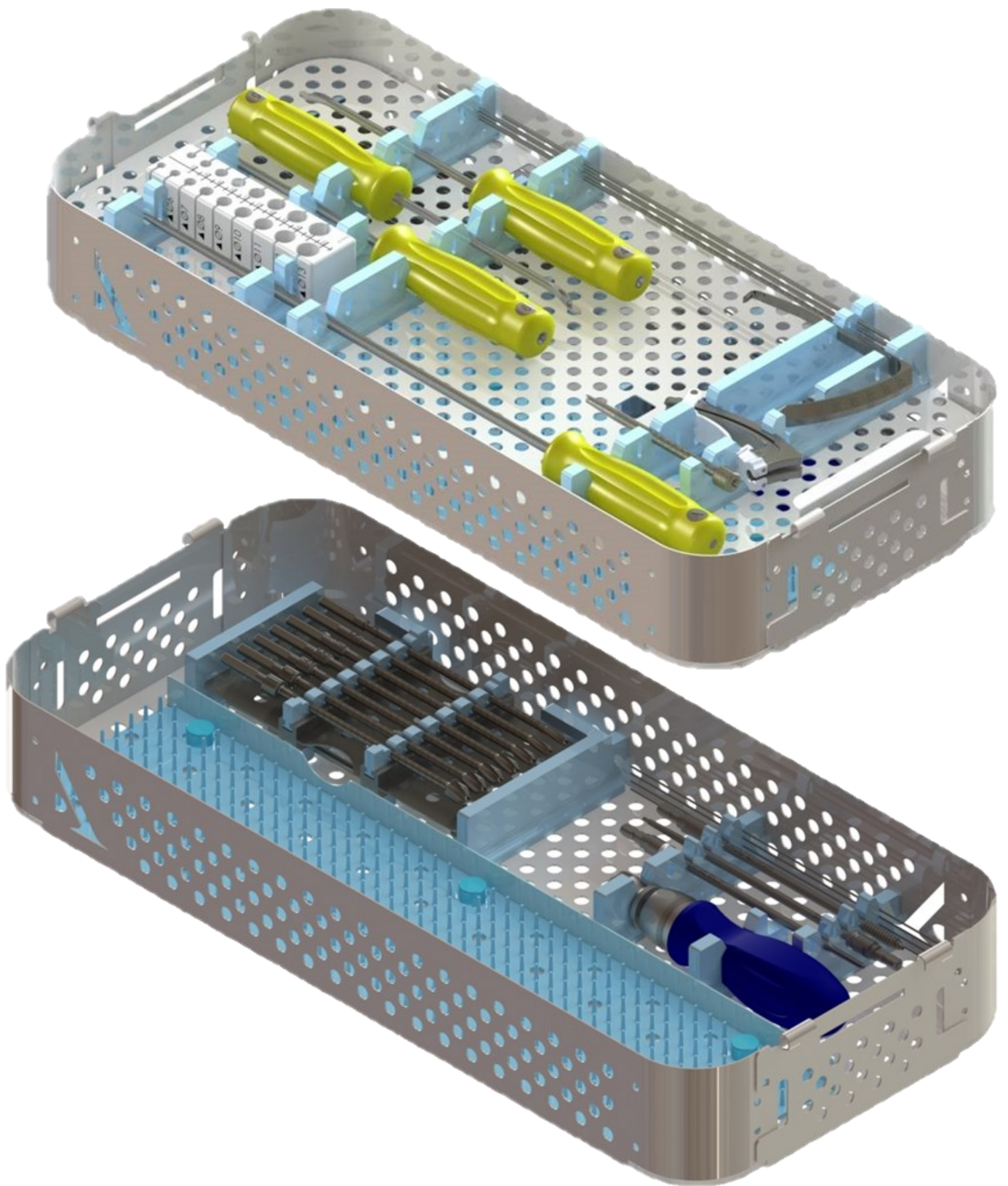


Round needle : 4/8 long 26 mm



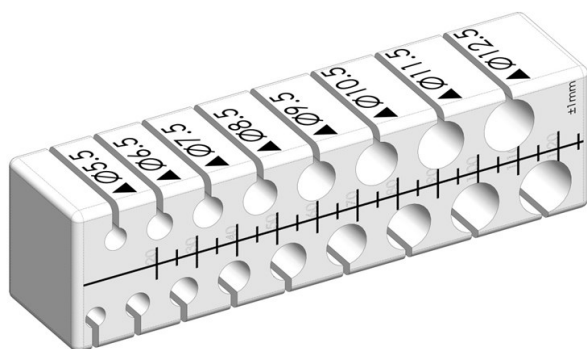
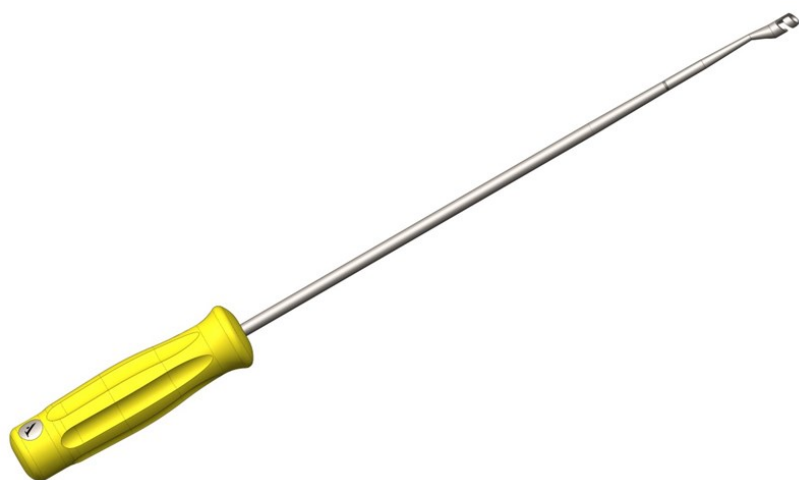
Triangular needle : 4/8 long 40 mm





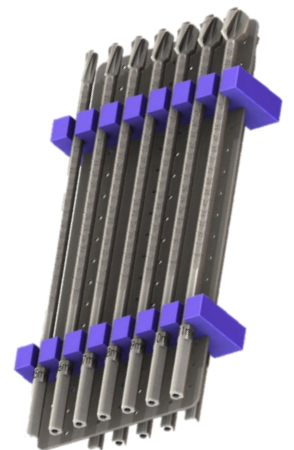
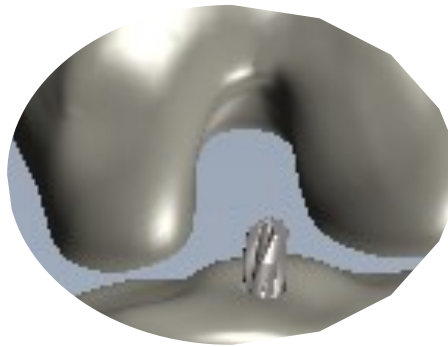
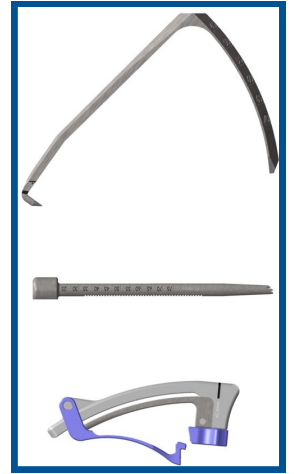
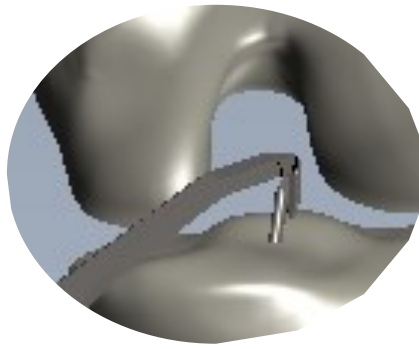
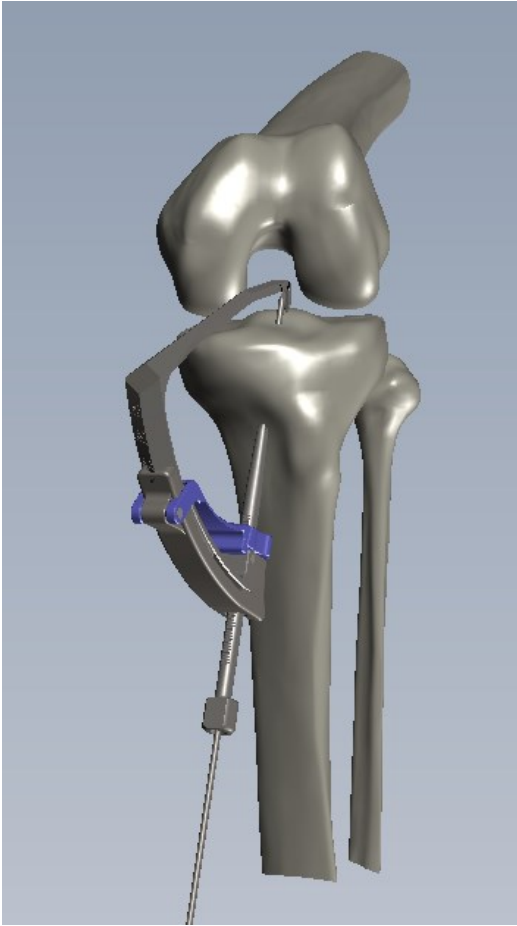
Surgical

Technique



Harvesting and calibration

- Use the open tendon stripper to harvest the semitendinosus and gracilis tendons.
- Calibrate (diameter and length) the graft with the graft sizer.

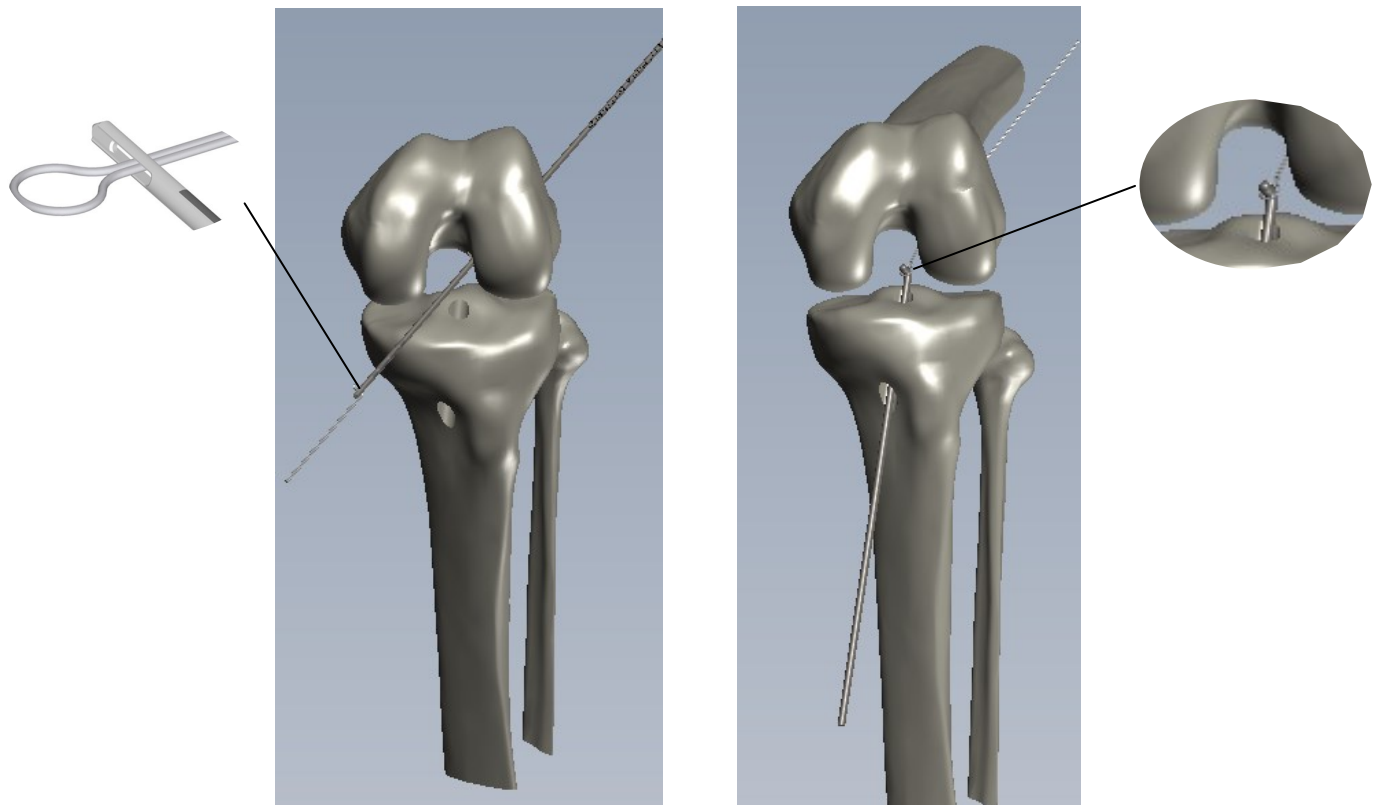
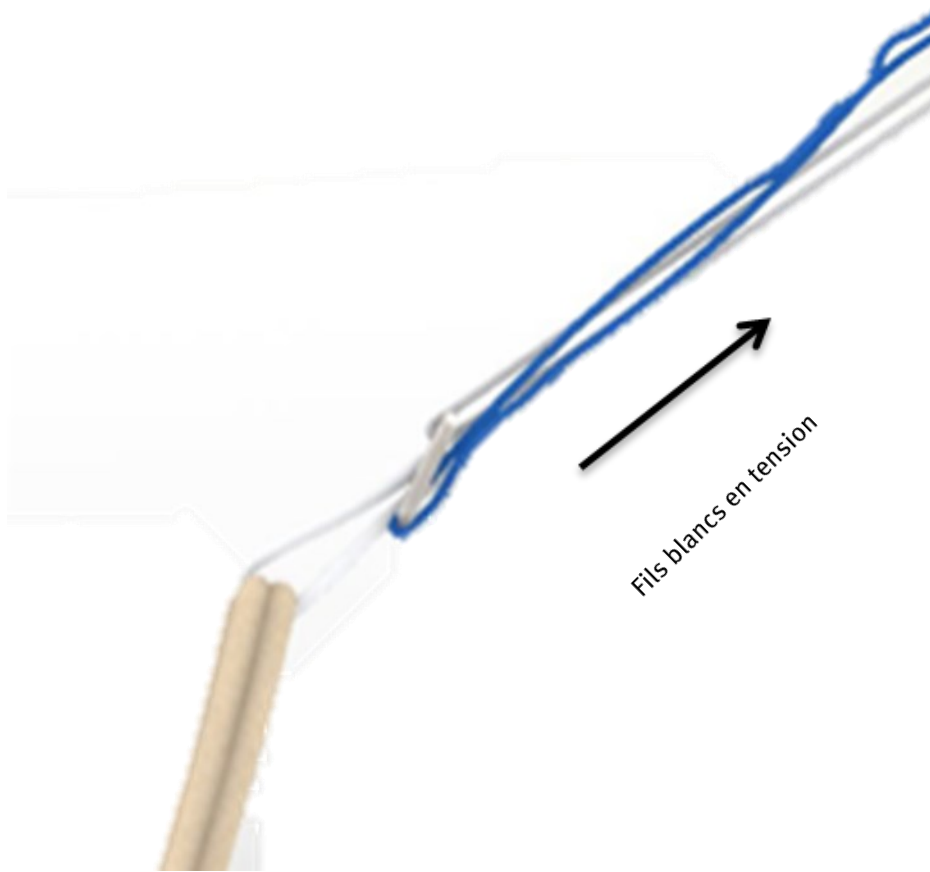


Tibial guide placement

- Assemble the tibial guide to the selected angulation.
 - Place the tip of the tibial guide on the tibial ACL footprint.
 - Use the laser marking on the guide to estimate the exit point of the guide wire.
 - Insert the tibial guide sleeve and make contact with the bone, being careful not to apply too much force to the sleeve.
 - Drill the trocar tip guide pin through the tibial guide sleeve.
 - Turn the guide sleeve a quarter turn and remove from the tibial guide handle(1).
 - Remove the modular guide from the joint the guide pin will exit the guide handle through the slot.
-

Drilling

- Select a reamer of the same diameter as the graft and drill over the trocar guide pin

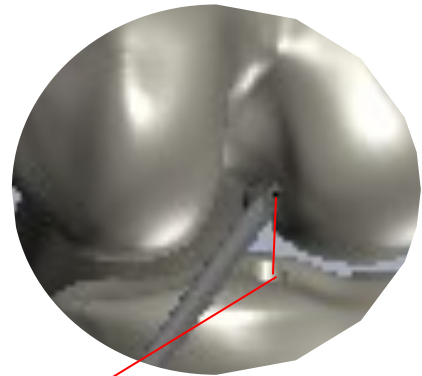
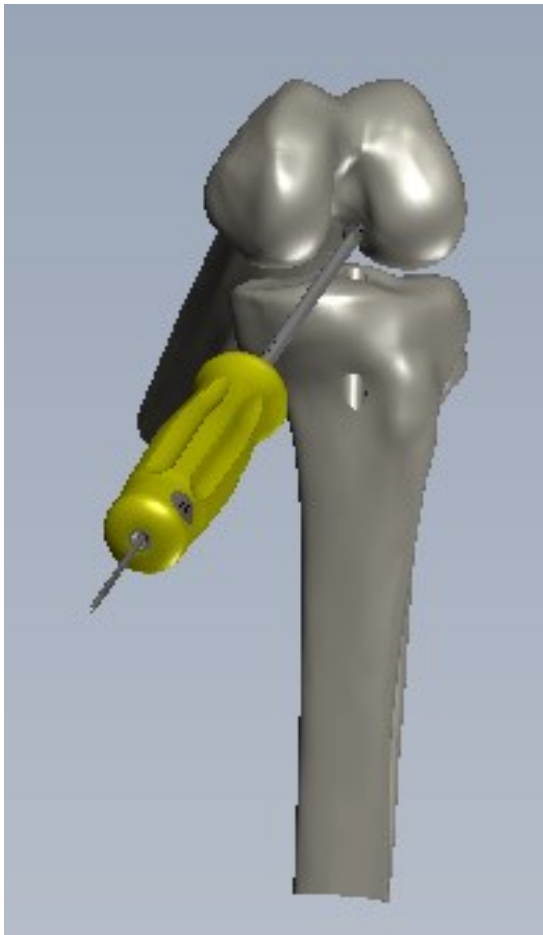


COMETE® and graft preparation

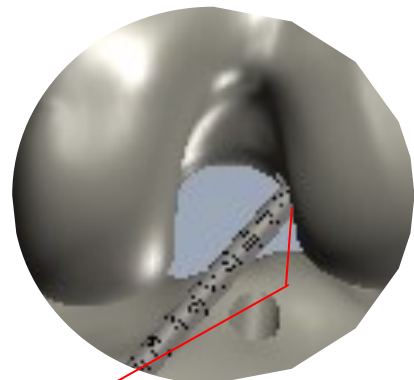
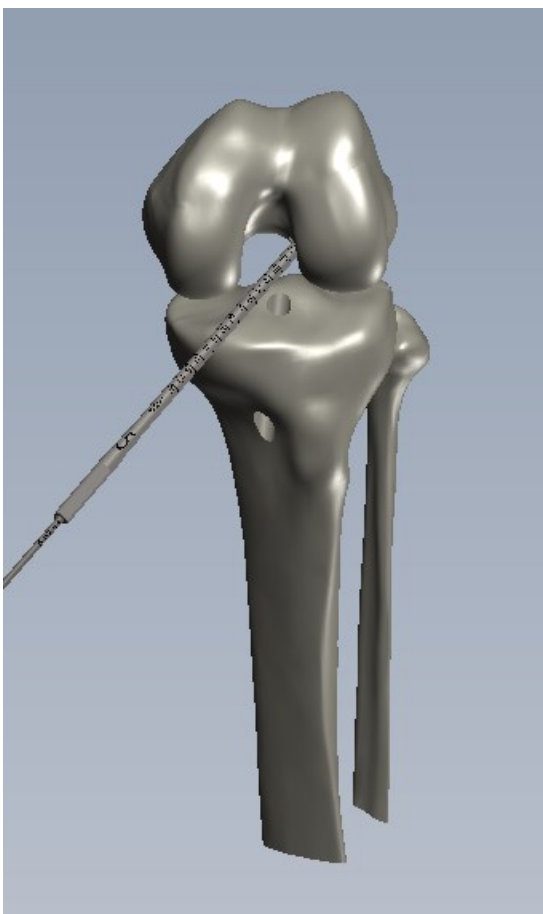
- Double each graft (semitendinosus and gracilis) over the COMETE® loop to create a quadruple strand construct.
- Suture the graft as usual.
- Apply tension to either the blue or white pullwire to position the COMETE® plate parallel to the tunnel.

Suture Loop passing

- Place a suture with a loop in the eyelet of the guide pin.
- Pass the suture loop through the femur with the eyelet pin.
- Use a grasper to recover the suture loop from the intra-articular space through the tibial tunnel.
- Put the COMETE® pullwire in the suture loop at the tibial tunnel level.
- Dissociate the white pullwire from the blue pullwire to ease their movement inside the tunnel.
- Pull the suture loop through the femur, the COMETE® pullwire will come out through the femur.



Mesure de la longueur entre la corticale proximale et distale du fémur (ou intra et extra articulaire)



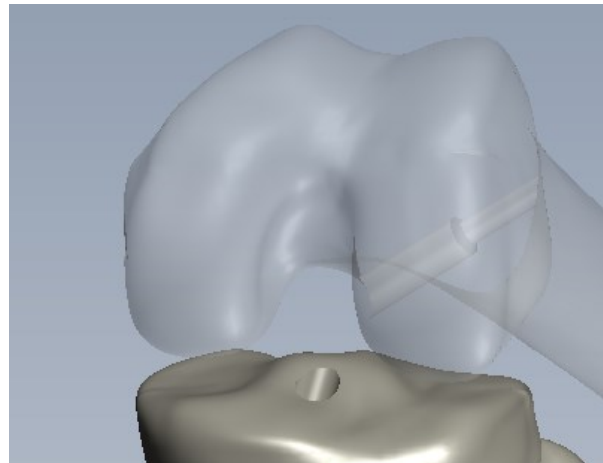
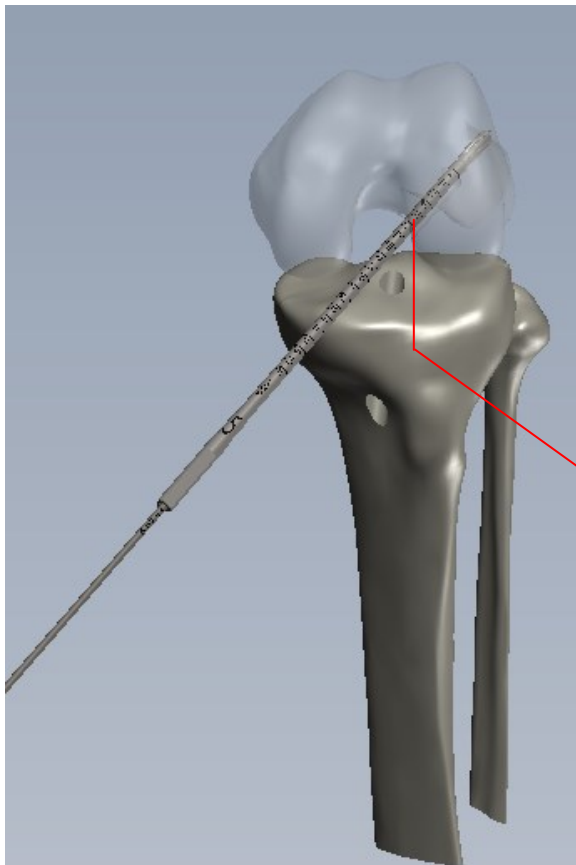
Mesure de la longueur du tunnel borgne fémoral

Femoral aiming

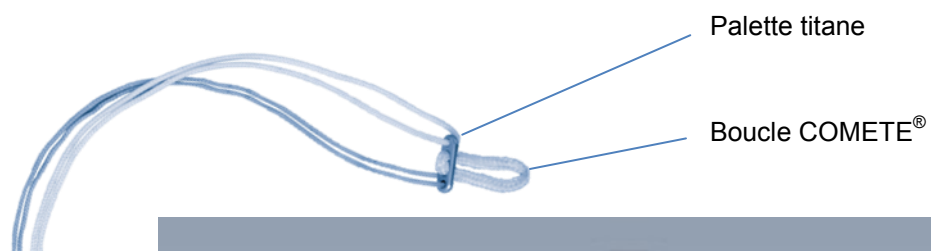
- Select the appropriate offset Femoral Drill Guide. It is recommended that the offset selected be 1mm larger than the radius of the reamer size (e.g. for 8mm graft use a 5mm offset drill guide).
 - Position the Inside-Out femoral drill guide on the posterior aspect of the lateral wall of the notch, as close as possible to the ACL footprint.
 - The tip of the guide will help to stabilize the Inside-Out femoral guide.
 - Drill the graduated guide pin through the femoral drill guide.
 - Read the graduations of the guide pin for the femoral tunnel length (length between cortices – LBC).
 - Verify the position of the Eyelet pin.
-

Femoral drilling

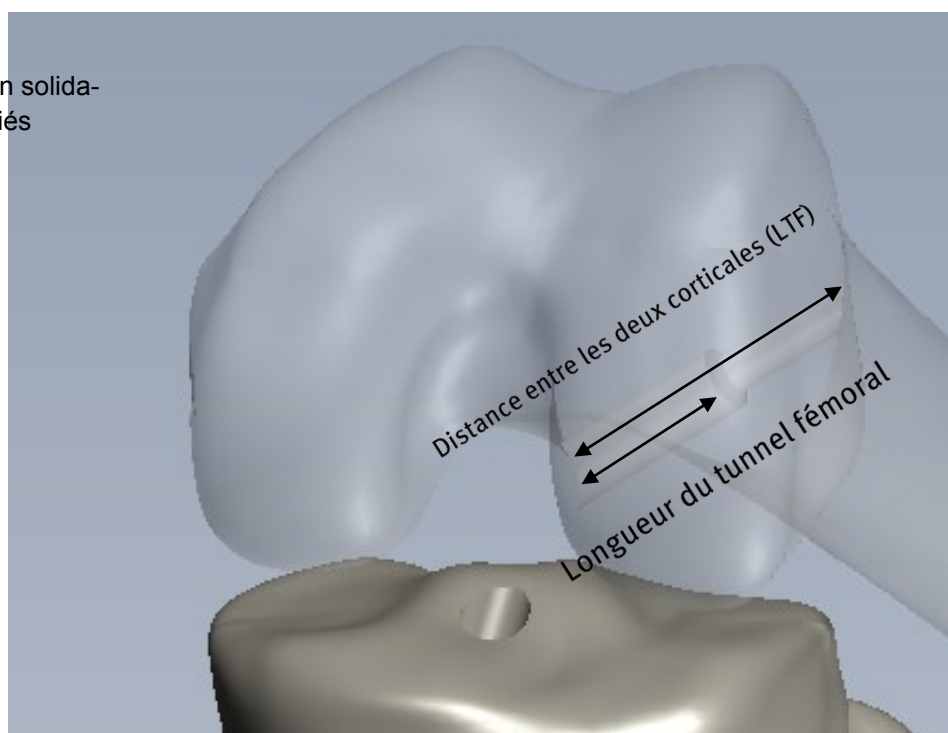
- *Select a reamer of the same diameter as the graft and drill over the graduated guide pin.*
- *Drill the reamer to the appropriate depth. The reamers are graduated to assist in determining the length of the Femoral Socket (LFS).*
- *Remove the reamer leaving the eyelet pin in place.*



Mesure de la longueur entre les 2 corticales du condyle intra et extra articulaire (ou médiale et proximale)



Fils de traction solidarisés et rigidifiés



Option COMETE®

- Drill the 5mm reamer over the graduated guide pin through the femoral cortex.
- Measure the distance (LBC) between both cortices (intra & extra articular).

Selecting the size of the COMETE® loop

COMETE® device

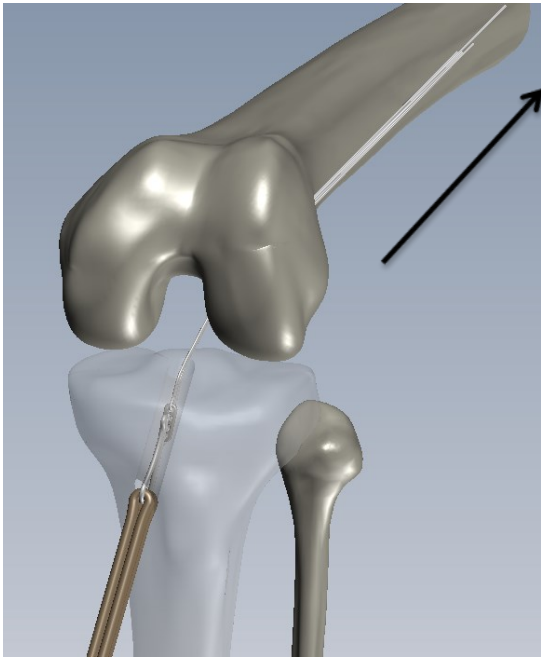
- COMETE® loop: length 15, 20, 25, 30,35 & 40 mm.
- Traction wire with rigid and fixed tip facilitating introduction into the eyelet pin.

To calculate the COMETE® loop length required, subtract the length of the femoral socket (LFS) from the length between cortices (LBC) and add 5mm.

$$\text{COMETE®} = \text{LBC} - \text{LFS} + 5\text{mm}$$

e.g. COMETE = 45mm (LBC) – 25mm (LFS) + 5mm, therefore COMETE loop will be 25mm.

Mise sous tension des fils
blancs pour le passage du
greffon

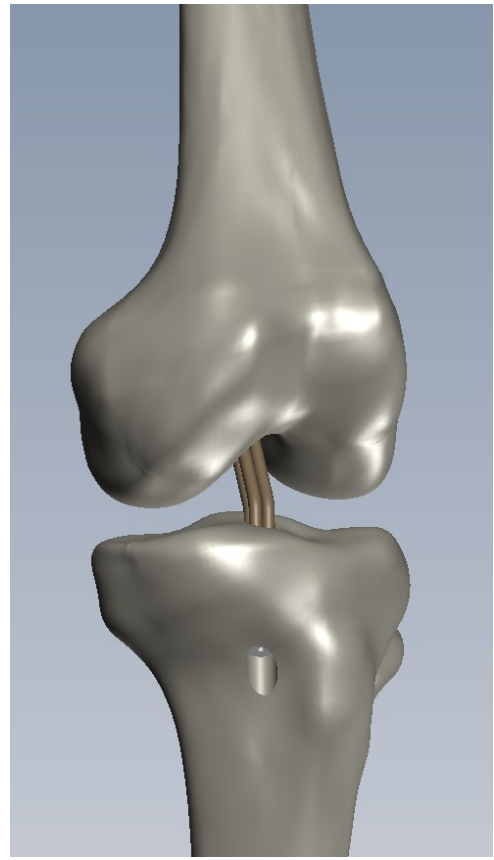
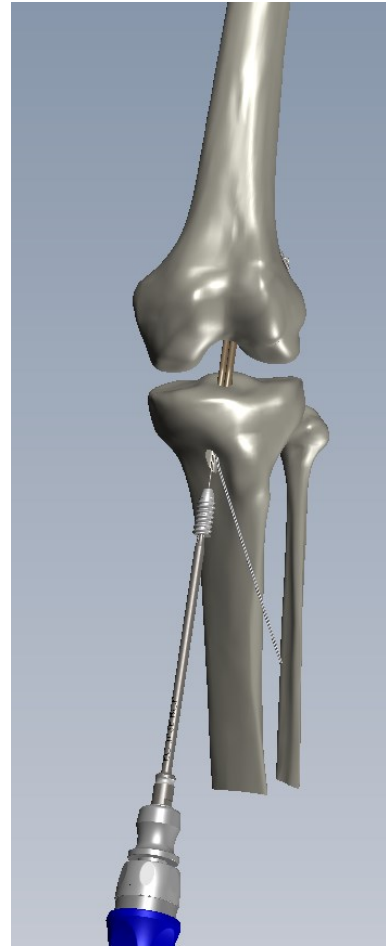


Mise en place implant COMETE®

- Put the COMETE® pullwire in the suture loop at the tibial tunnel level.
- Dissociate the white pullwire from the blue pullwire to ease their movement inside the tunnel.
- Pull the suture loop through the femur, the COMETE® pullwire will come out through the femur.
- Apply tension to one of the two COMETE® pullwires to position the COMETE® plate and pass the graft through the tibial and femoral tunnels. Do not apply tension to the other pullwires.
- The plate must cross the proximal femoral cortex.

COMETE® lock

- Lock the device.
- Apply tension to the pullwire (white in the example) while maintaining tension to the other (blue in the example). This action will position the COMETE® plate perpendicular to the femoral cortex. Pull back on the graft to confirm fixation and lock the COMETE® device on the outer femoral cortex.



Tibial Fixation

- Assemble the ratchet screwdriver handle and the Shank screwdriver ECLIPSE® BCP.
- Pull back on the tibial graft to control the fixation tension on the graft.
- Place the screw guide wire in the tibial tunnel.
- Put the interference screw on the screwdriver.
- Insert the screw into the tibial tunnel over the screw guide wire to complete the tibial fixation.

Implants Amplitude

ECLIPSE® BCP screw



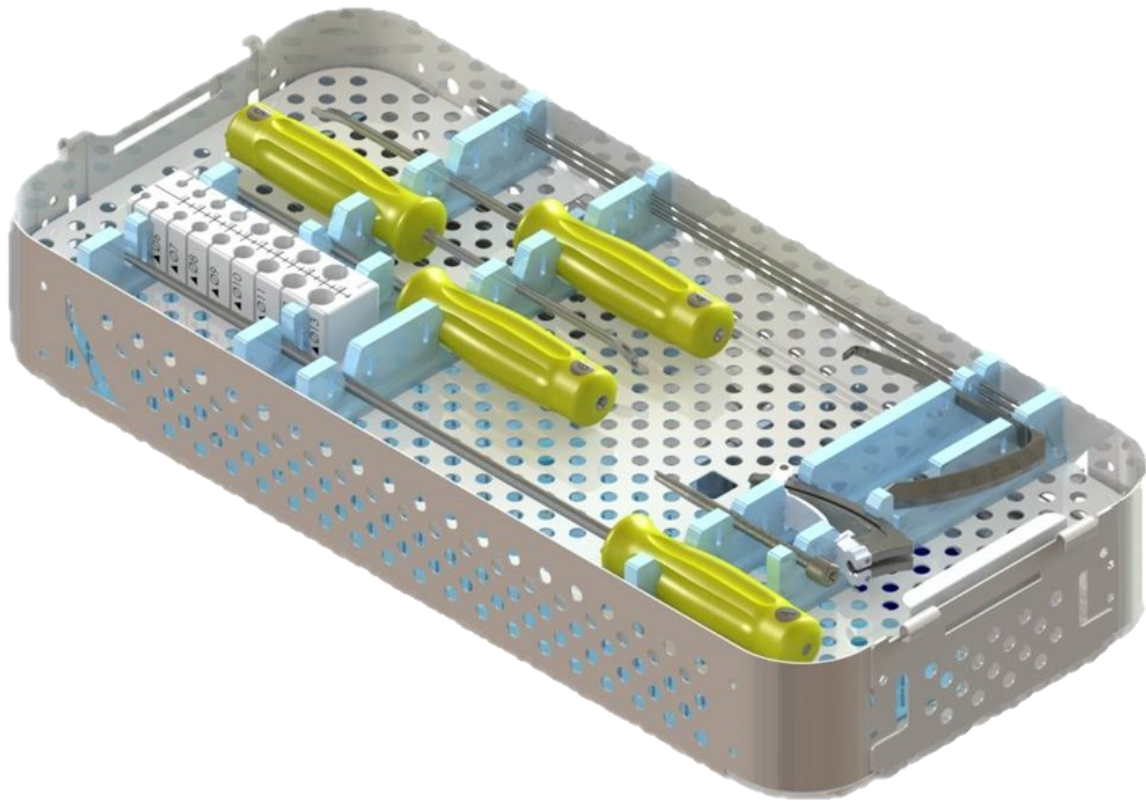
Vis ECLIPSE® Profil screw



COMETE® fémoral fixation

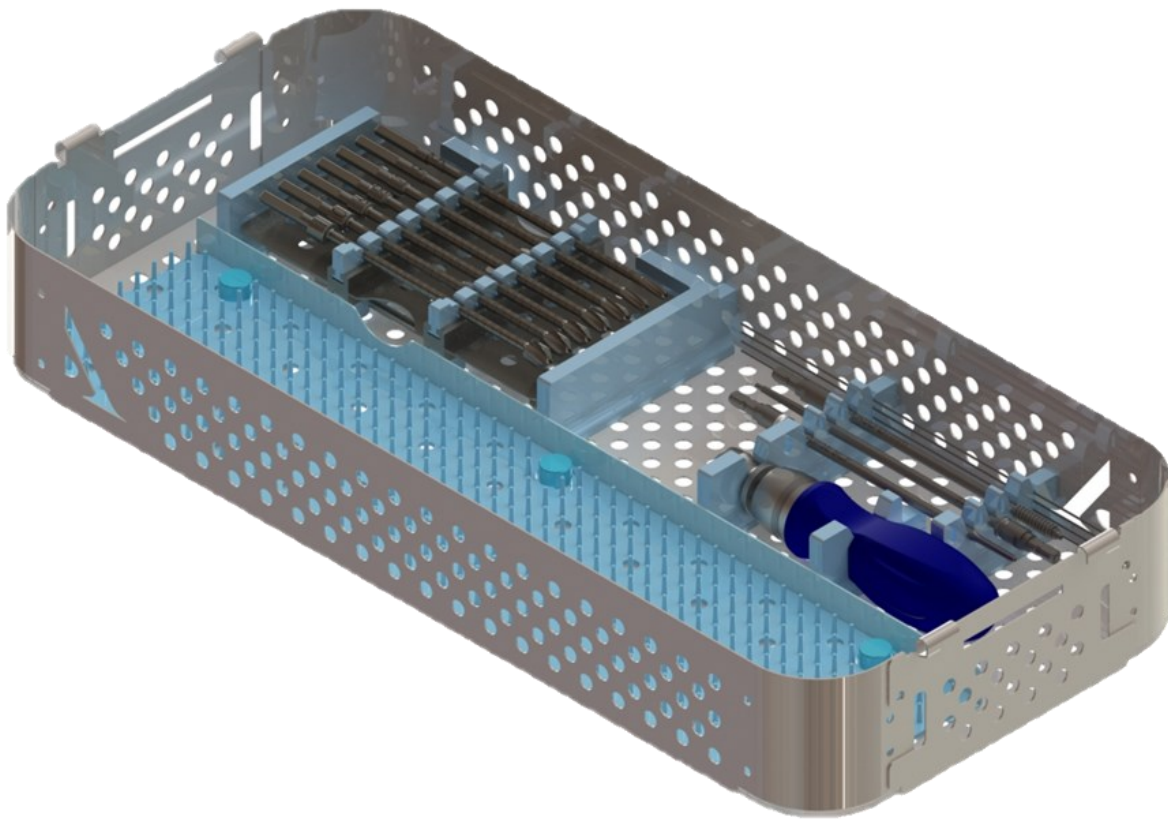


Plateau haut



4mm IN/OUT femoral guide.....	2-0405304
5mm IN/OUT femoral guide.....	2-0405305
6mm IN/OUT femoral guide.....	2-0405306
Graft sizer.....	2-0401800
Open Stripper Ø5mm.....	2-0405505
Modular guide body / handle.....	2-0404800
Modular tibial guide sleeve.....	2-0404900
Modular tibial aimer.....	2-0405000
Threaded graduated Eyelet pin Ø2,4mm Lg350mm.....	2-0404700
Trocard eyelet pin Ø2,4mm Lg350mm.....	2-0405400
Wire pin guide Ø2,4mm Lg300mm.....	2-0405600

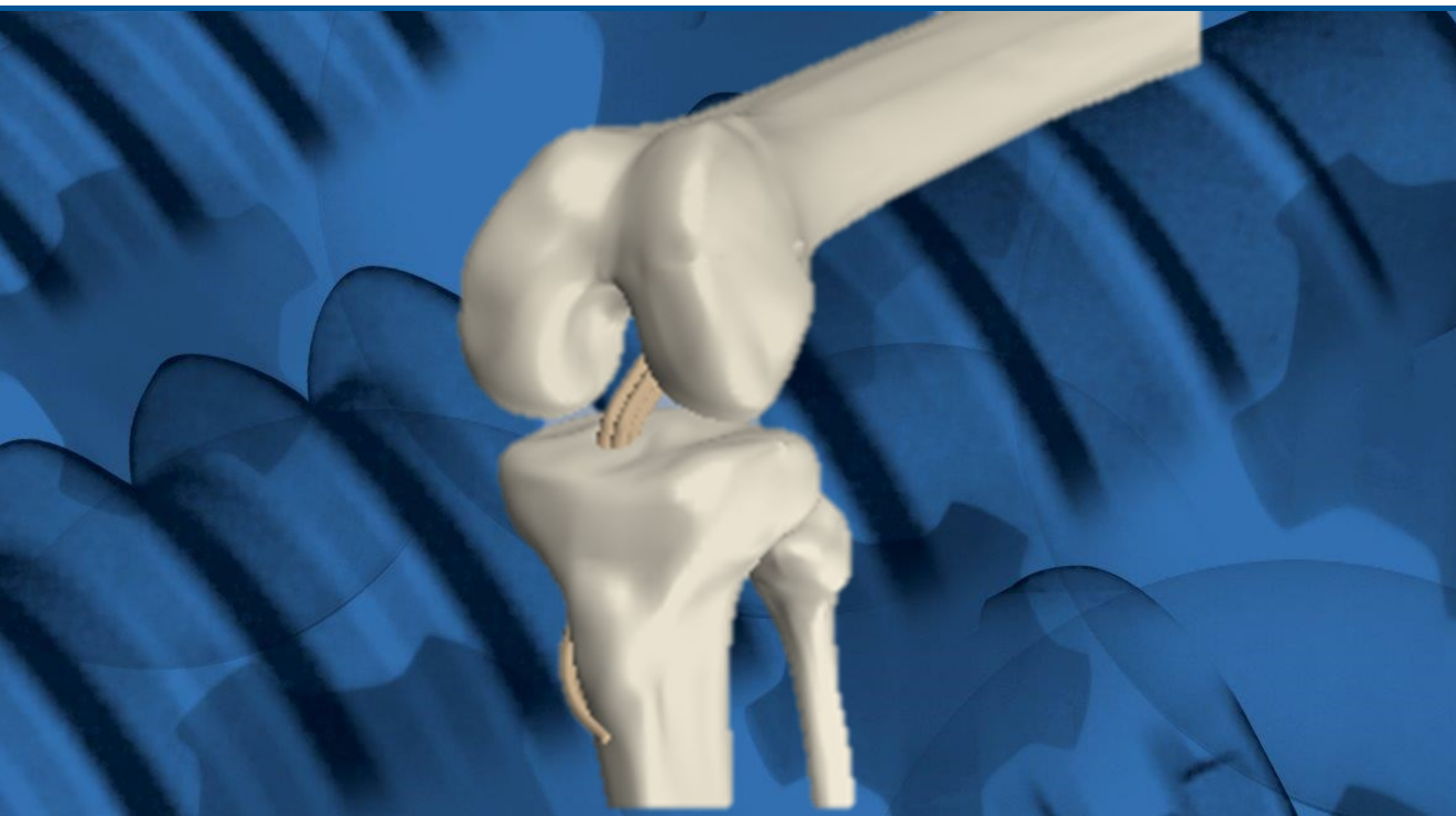
Plateau bas



Canulated reamer Ø5mm.....	2-0405210
Canulated reamer Ø5,5mm.....	2-0405215
Canulated reamer Ø6mm	2-0405220
Canulated reamer Ø6,5mm.....	2-0405225
Canulated reamer Ø7mm	2-0405230
Canulated reamer Ø7,5mm.....	2-0405235
Canulated reamer Ø8mm.....	2-0405240
Canulated reamer Ø8,5mm.....	2-0405245
Canulated reamer Ø9mm.....	2-0405250
Canulated reamer Ø9,5mm.....	2-0405255
Canulated reamer Ø10mm.....	2-0405260
Canulated reamer Ø11mm.....	2-0405270
Ratcheting trinkle driver handle.....	MCL120001
Screw Guidewire Ø 1.1mm Length 240mm.....	2-0405700
Wire Nitinol Ø 1.1mm, lenght 40 cm.....	08INBR001F10
Shank screwdriver ECLIPSE® BCP Trinkle amended.....	2-0406200
Shank stater Ø.7 mm Trinkle amended.....	2-0406300

NOTES

NOTES



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