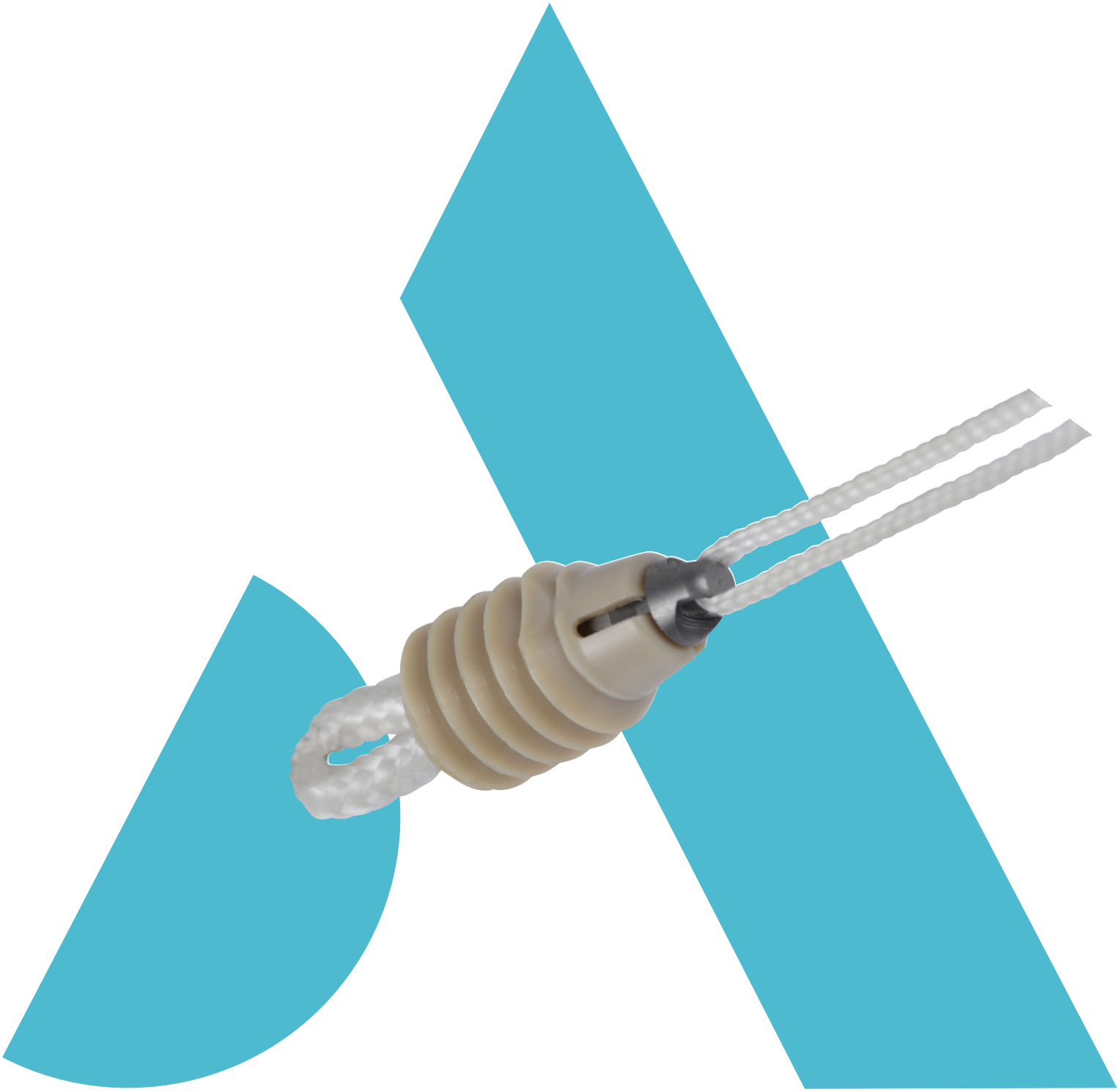
ACLip

amplitude



Generic surgical technique
ACL or PCL

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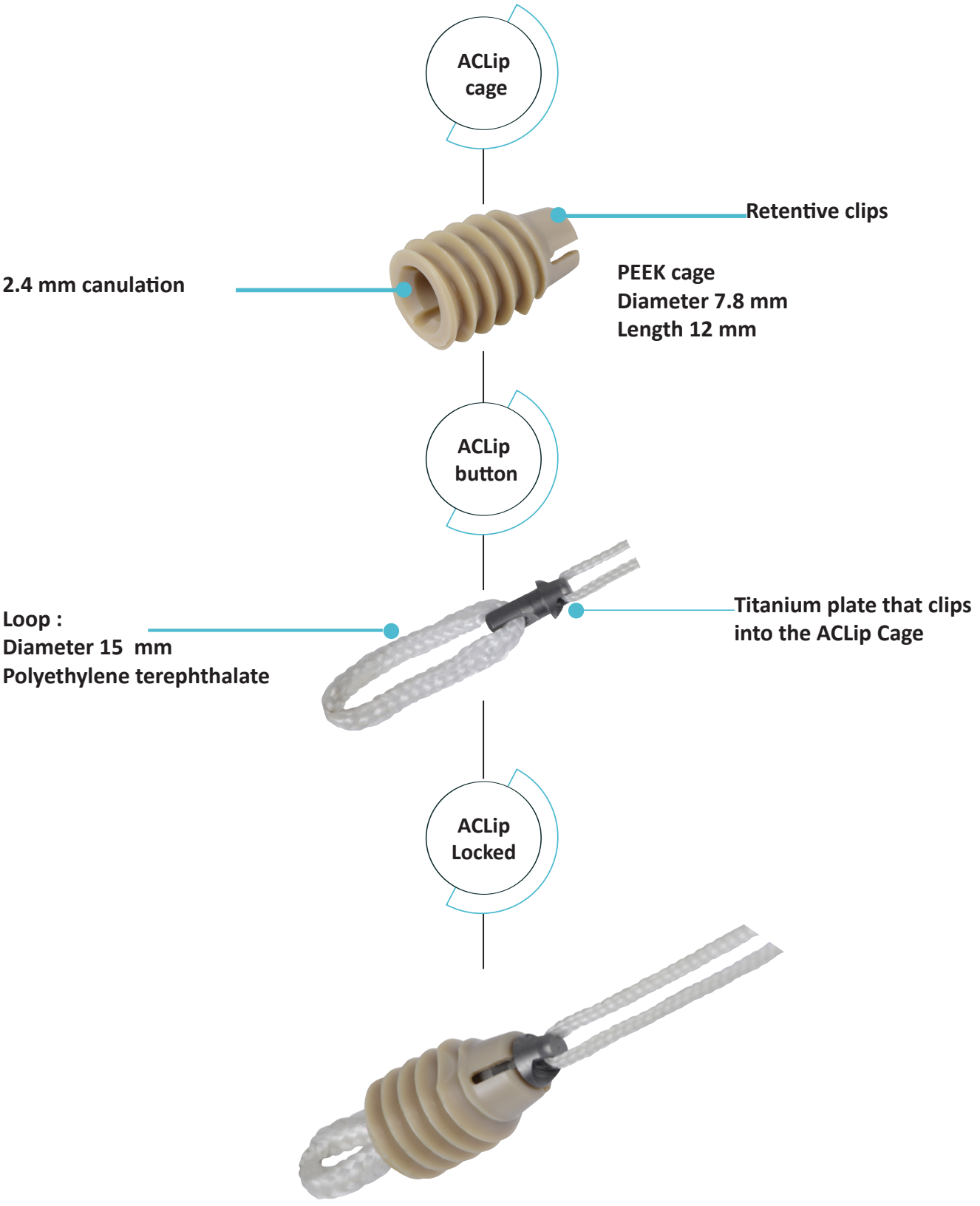
Concept and range

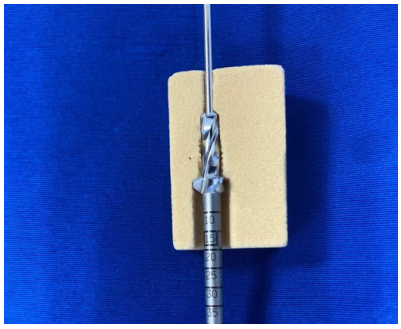


Surgical Technique Overview

This operating technique describes the generic steps for using the ACLip for ACL and PCL indication

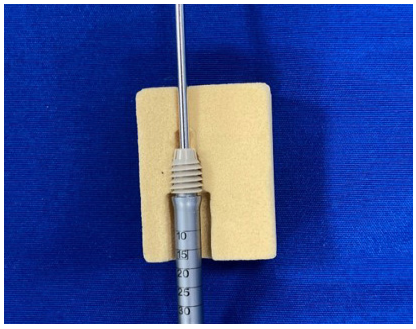
1

Femoral Tunnel drilling



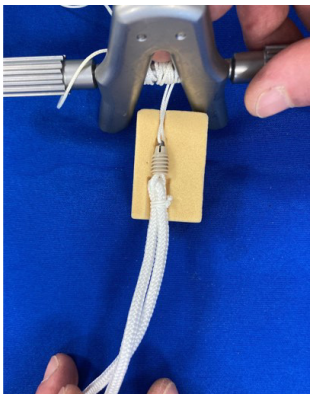
2

ACLip cage screwing



3

AClip clipping

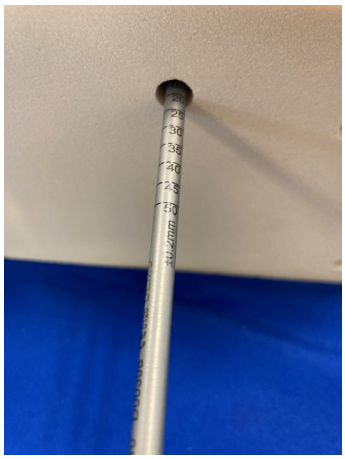


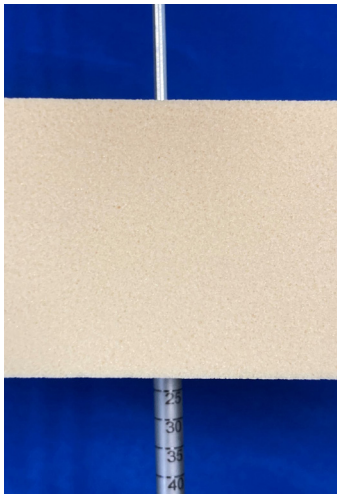
1 Femoral tunnel placement

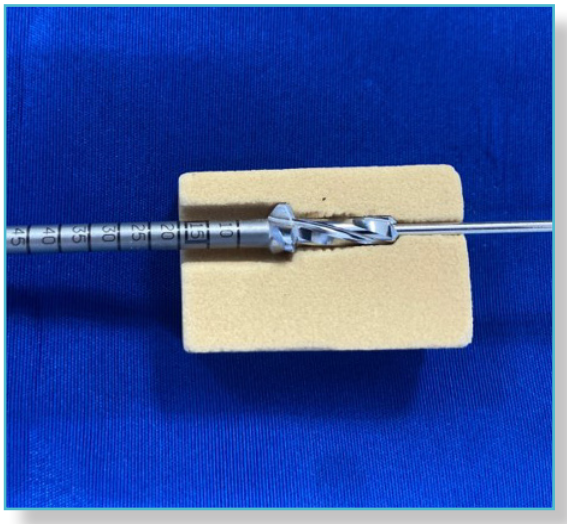
Place the ACLip eyelet pin with the powertool in the center of the area selcted for the graft placement. The eyelet pin should exit from the opposite cortex.

The graduated eyelet pin is used to measure the total length of the femoral trajectory (or between the medial and lateral cortexes) by measuring the graduation of the pin in contact with the medial cortex.

2 Femoral tunnel drilling







2

Select the stepped reamer corresponding to the graft diameter (7 to 11 mm) and place it over the eyelet pin.
The graduations on the stepped reamer correspond to the length of the graft tunnel.
Drill a femoral socket of the appropriate depth and then remove the reamer while leaving the eyelet pin.
The total length of these 2 femoral tunnels is: the femoral tunnel dedicated for the graft length plus 17 mm (the femoral tunnel dedicated for the ACLip cage).

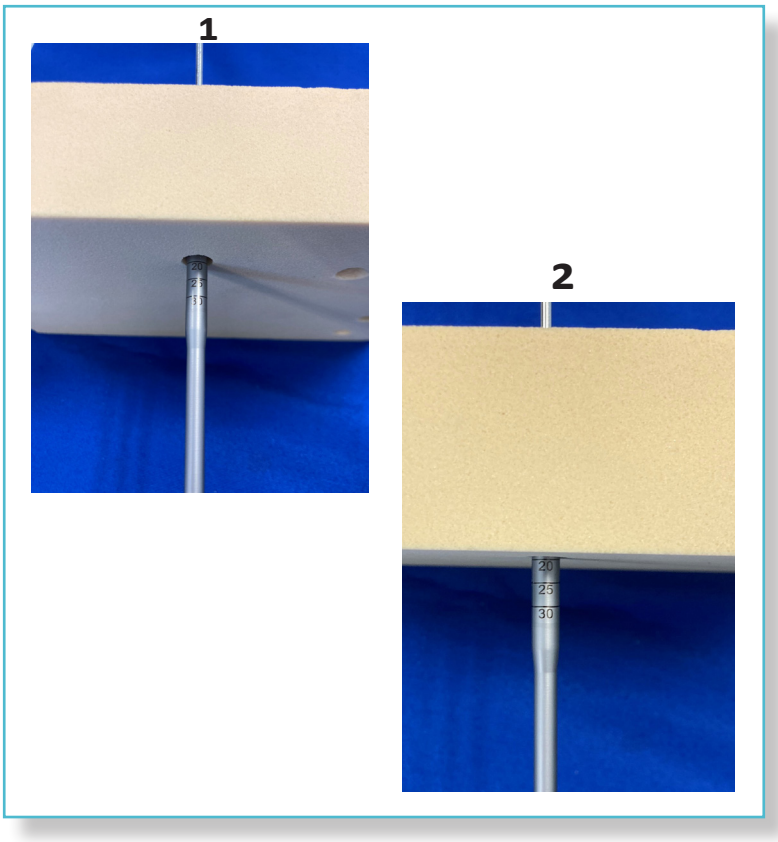
Exemple :
Graft tunnel = 15mm.
The total legnth of the two tunnels 15mm+17mm=32mm. the distance cortex to cortex must be at minimum 32mm.
For a 20mm graft tunnel, the distance cortex to cortex must be at minimum 37mm.

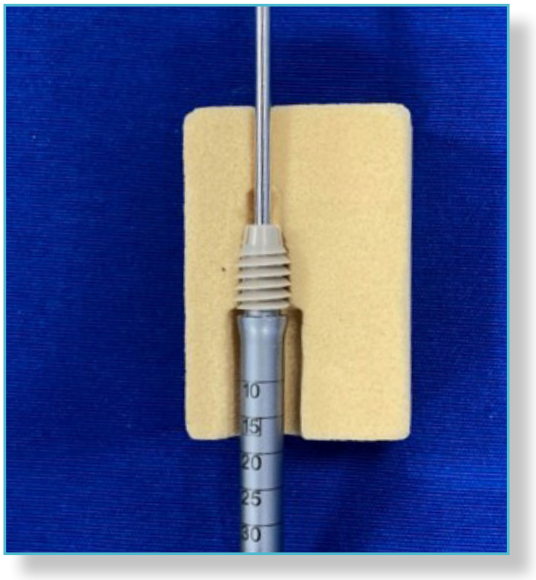
keep the pin axis
- when you drill to ovoid pin twistin.
- when you pull out the reamer to allow the removal of the reamer and avoid enlarging the tunnel dedicated to the cage.

Key factor

At the end of the drilling procedure, take a landmark on the femoral cortex to locate the drilling depth graduation on the reamer. This mark will be used for the cage introducer to reproduce the screwing and drilling depth.

3 Femoral tunnel screwing





2

Place the ACLip cage on the Shank introducer ACLip cage Trinkle or on ACLip cage introducer.
Place the Shank introducer ACLip cage Trinkle or on ACLip cage introducer over the eyelet pin.

Screw the ACLip cage. The screwing depth graduation(1) must be the same as the graduation shown on the stepped reamer when the tunnel was drilled(2).

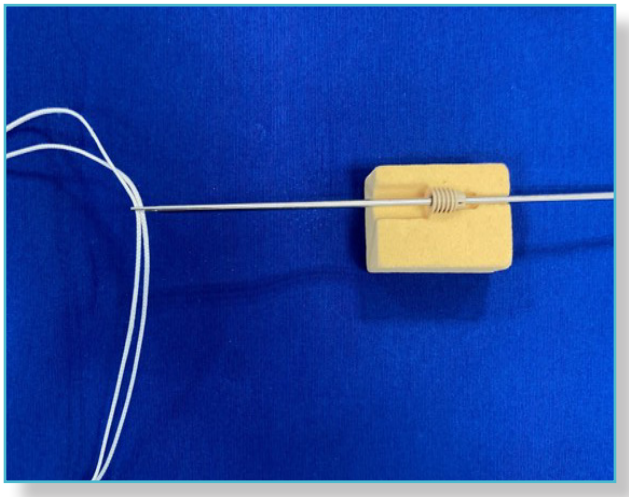
Screw on the ACLip cage while keeping the eyelet pin axis, in order not to apply excessive lever arm between the tip of the introducer and the eyelet pin.
A lever arm will weaken the tip of the ACLip cage introducer. Like it happens for any canulated instrument.
In case of dense bone, use the AClip cage starter or the shank starter ACLip cage Trinkle to prepare the screwing.

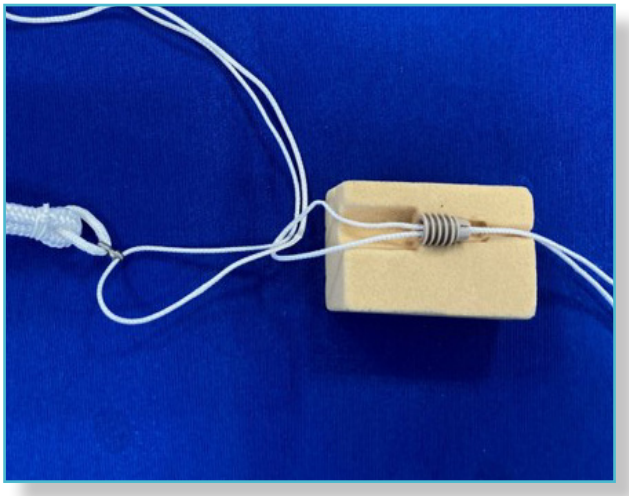
Remove the cage introducer while leaving the eyelet pin in place.

Key factor

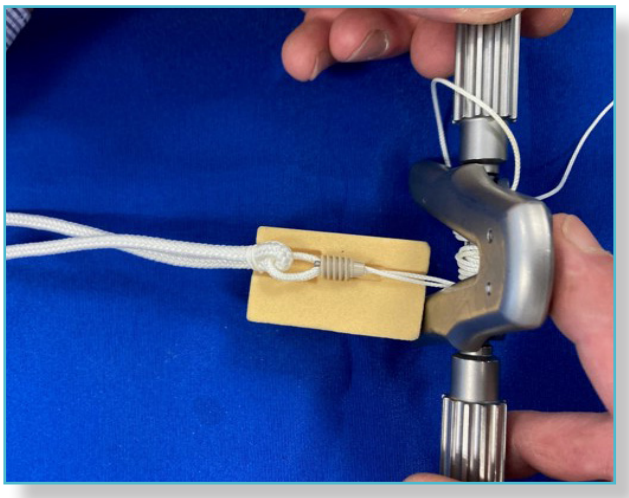
When screwing in, keep the mark on the femoral cortex and graduation used for drilling.
Keeping the drilling depth and screwing depth guarantees the right positioning on the cage that ensures clipping and mechanical properties.

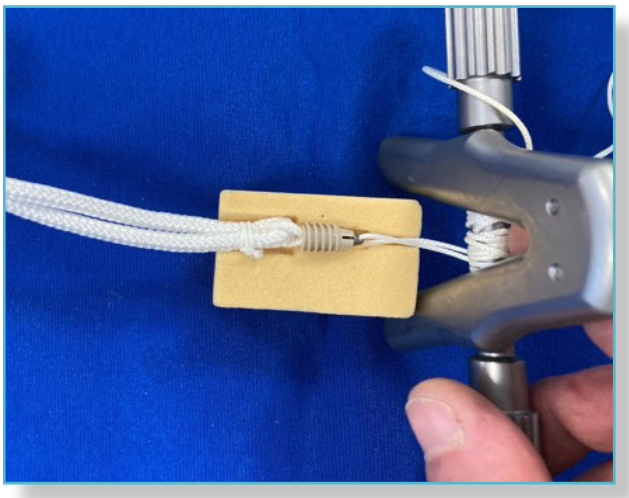
4 ACLip clipping





Pass a suture loop through the eyelet pin and pull the eyelet pin while holding the loop to the antero medial arthroscopic portal.
Pull the traction wire until the ACLip traction wire exit from the femur.
Pull the ACLip traction wire at the femoral level until the ACLip button stops against the ACLip cage.

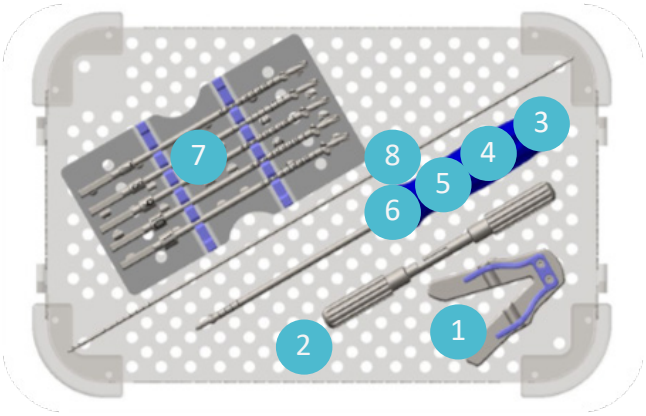




Place the traction wires on the tie rod.
Position the clipping system on the patient's leg where the traction sutures exit.
Tighten the traction wires then turn the tie rod until the ACLip clipping.
Pull on the graft to control the clipping.

Instrumentation

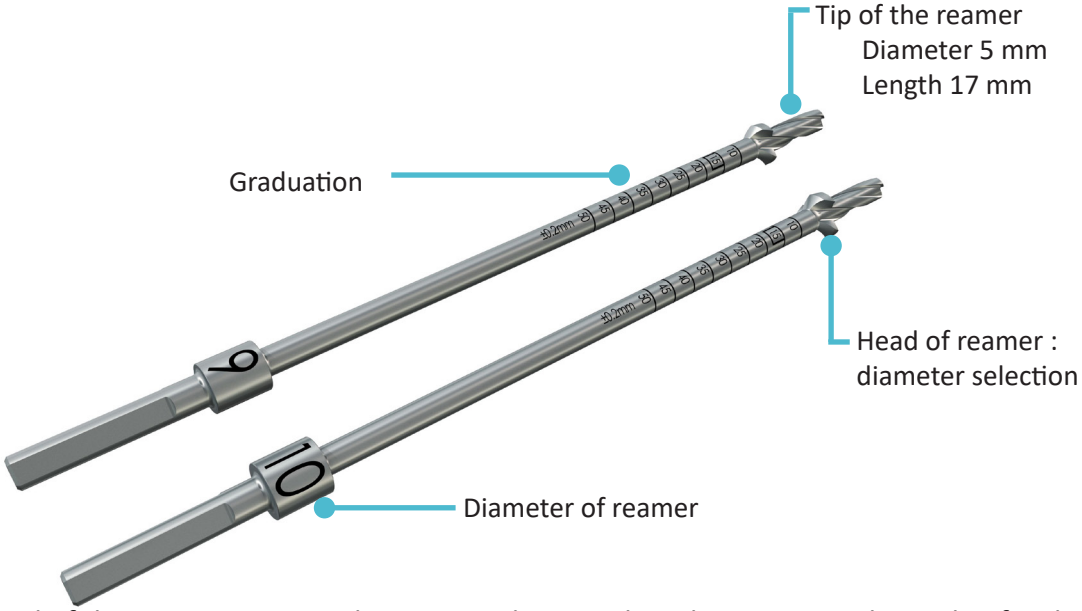
ACLip instrumentation set



Rep	Designation	Reference	Qty
1	Tensile support	2-0406600	1
2	Tie rod	2-0408000	1
3	ACLip cage Introducer	2-0406000	1
	or	-	-
4	Shank introducer ACLip cage Trinkle	2-0407200	1
5	Starter ACLip cage	2-0408600	1
	or	-	-
6	Shank starter ACLip cage Trinkle	2-0408610	1
	Stepped reamer Ø5xØ7 mm	2-0406530	1
	Stepped reamer Ø5xØ7.5 mm	2-0406535	1
	Stepped reamer Ø5xØ8 mm	2-0406540	1
	Stepped reamer Ø5xØ8.5 mm	2-0406545	1
7	Stepped reamer Ø5xØ9 mm	2-0406550	1
	Stepped reamer Ø5xØ9.5 mm	2-0406555	1
	Stepped reamer Ø5xØ10 mm	2-0406560	1
	Stepped reamer Ø5xØ10.5 mm	2-0406565	1
	Stepped reamer Ø5xØ11 mm	2-0406570	1
8	ACLip eyelet pin	2-0407701	2

Appendix A

Stepped reamer



The initial stepped of the reamer is 5 mm diameter and 17 mm length to prepare the socket for the ACLip cage.

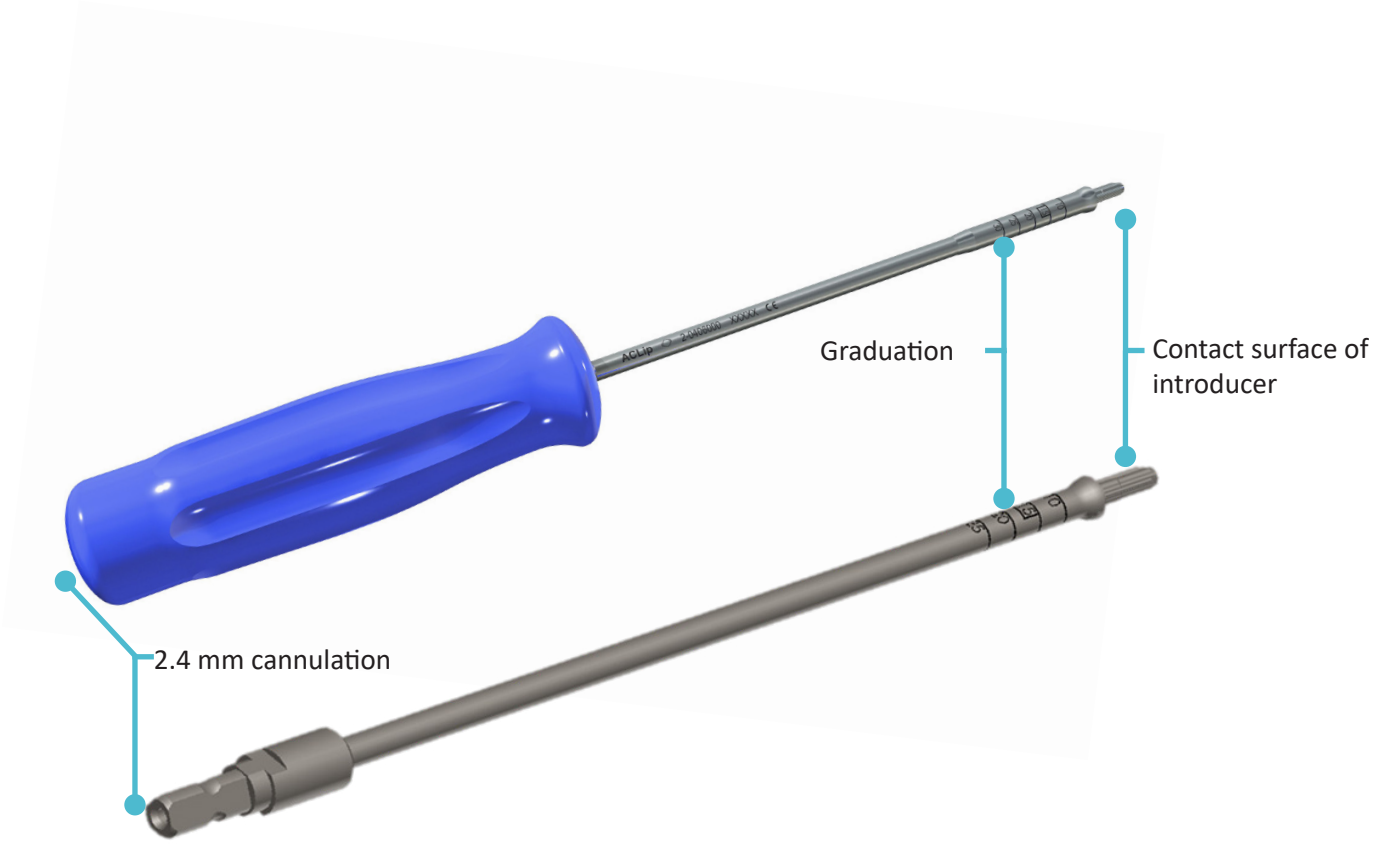
The second stepped of the reamer corresponds to graft and length diameter:

Available sizes: 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 mm.

The graduation indicates the depth of the graft tunnel.

Appendix B

Introducer and shank introducer ACLip cage



2.4 mm canulation for screw fixation over eyelet pin.
Graduations match graduations on reamer.

Appendix C

Tensile support and tie rod

Tie rod

Tensile support

Assembled clipping system

NOTES

TO.A.013/EN/B

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