intrauma®

EN

Isolock

Patella Luxation Procedure

Dates and images

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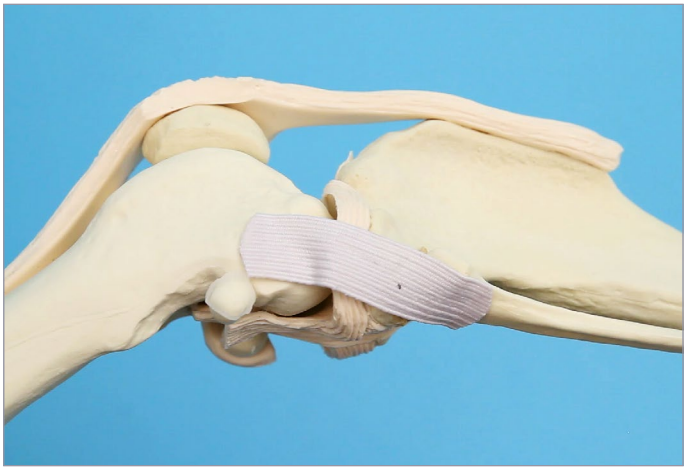
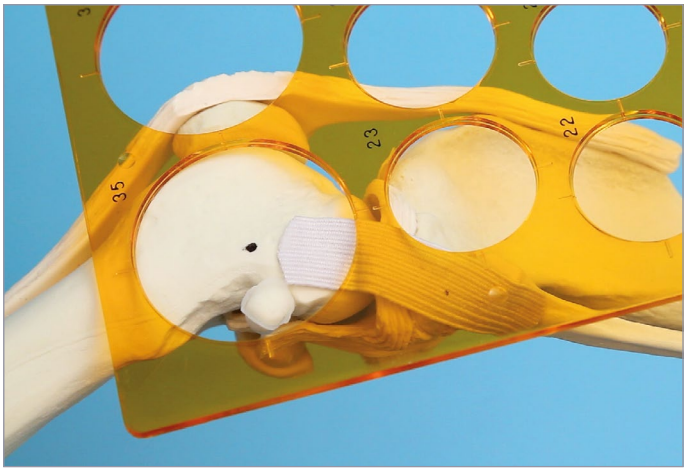
• **1**

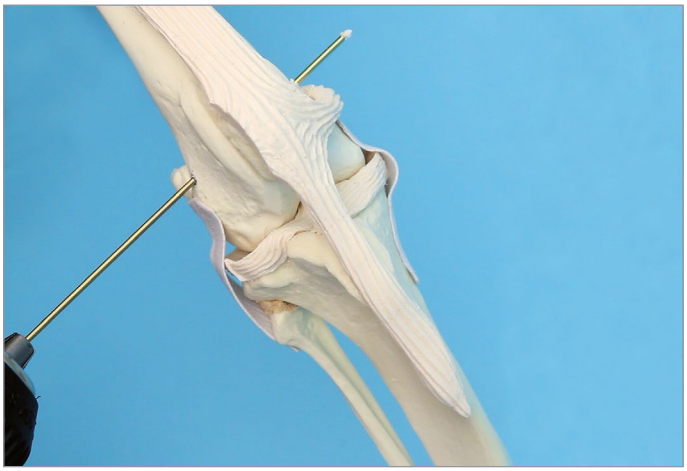


• **2**



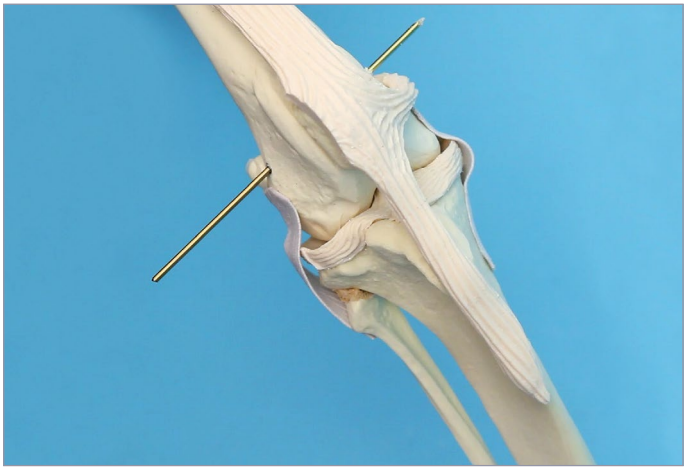
• **3**

Insert a 1.2 mm K wire through the femural condiles; drill at the level of the isometric point marked before, keep the K wire perpendicular to the bone and parallel to the joint.



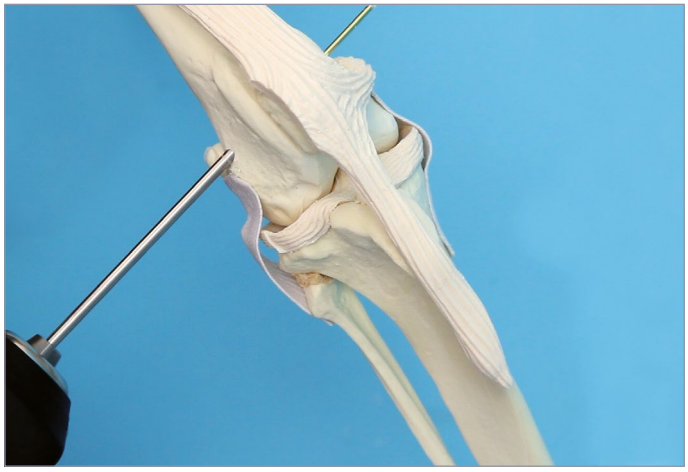
• **4**

Make sure the K wire exit on the opposite condile.



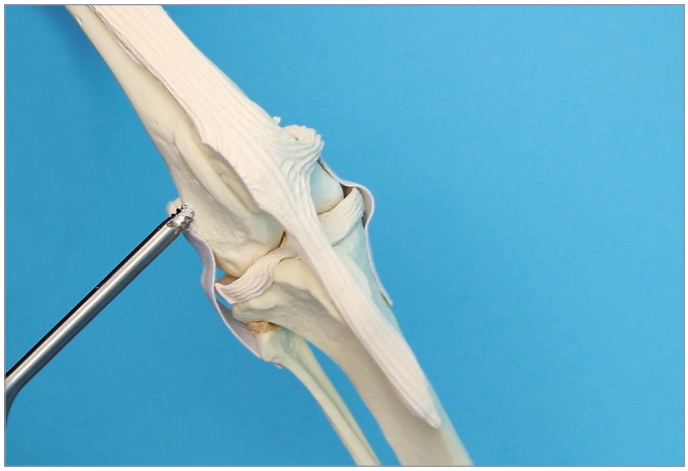
• 5

Insert the 2.8 mm reamer (VS407) into the K wire and drill the hole all the way trough the opposite condile.



• 6

Remove the reamer and K wire; tap the hole using the appropriate tap VS405.

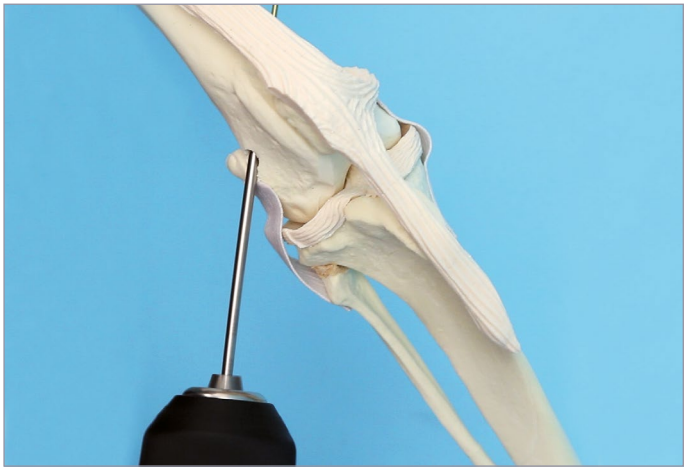


• 7

Insert a 1.2 mm K wire through the same hole insert at 45° angle.

• 8

Insert the 2.8 mm reamer (VS407) into the K wire and drill the hole all the way trough the opposite cortex.

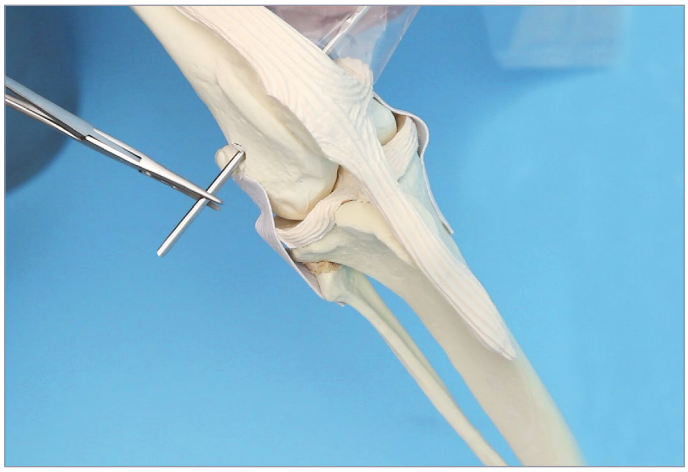


• **9**

Insert the 1.2 mm K wire in the perpendicular hole; make sure the K wire exit the medial condile; take the 1.5 mm ISOLOCK and insert the needle trough the K wire from medial to lateral direction.

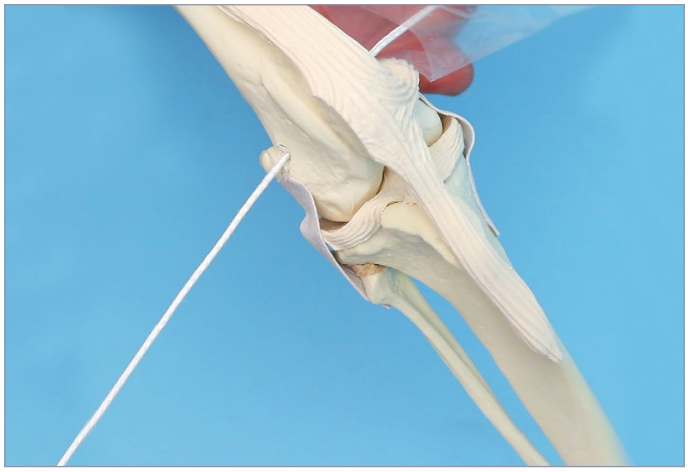
• **10**

Remove the K wire and grab the needle with a needle holder.



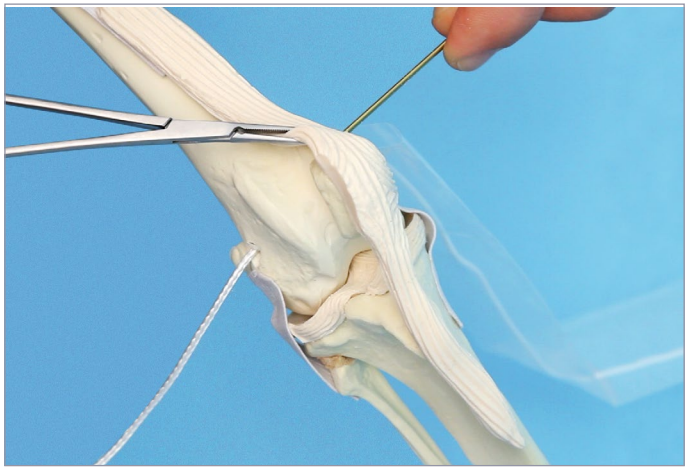
• **11**

Slide the suture trough the hole; avoid to pass the whole suture trough the hole and make sure that the unused suture on the medial side remains inside the protection sleeve.



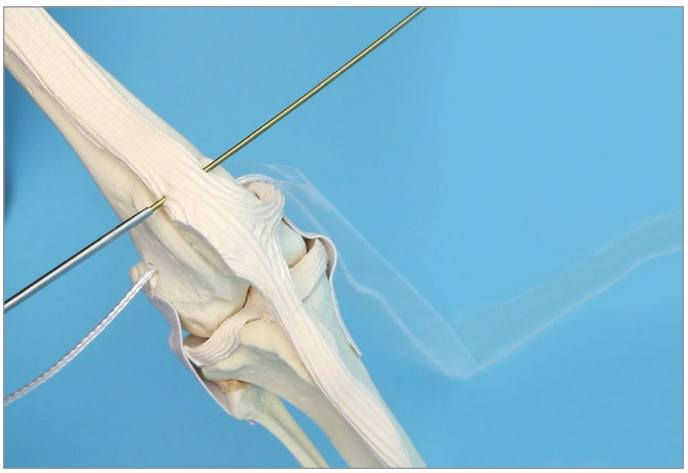
• **12**

Grab the patellar tendon with a needle holder and insert a 1.2 mm K wire through the portion of the tendon right above the patella.

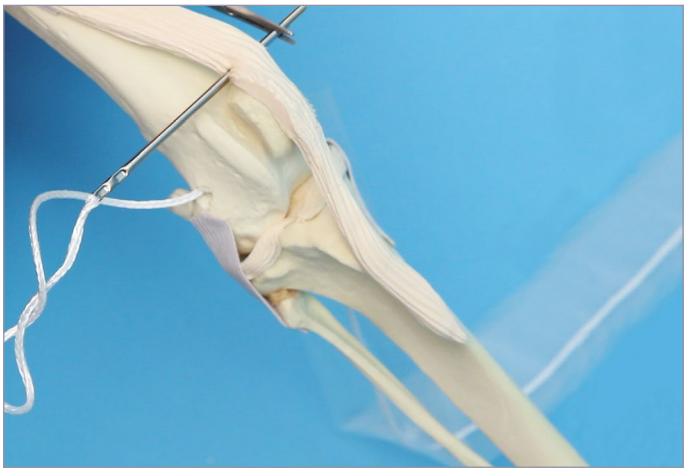


• 13

Using the K wire as a guide, pass the needle trough the patellar tendon from lateral to medial direction.

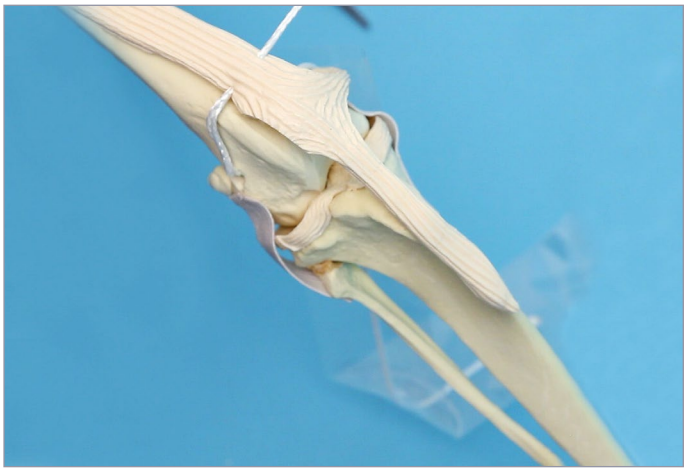


• 14



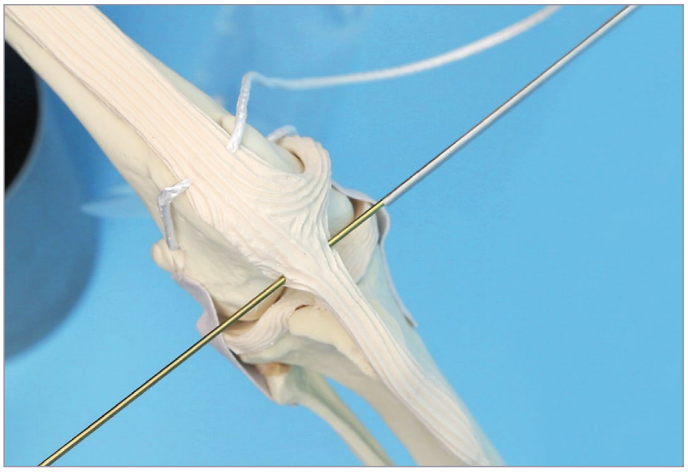
• 15

Pull the suture trought the tendon.



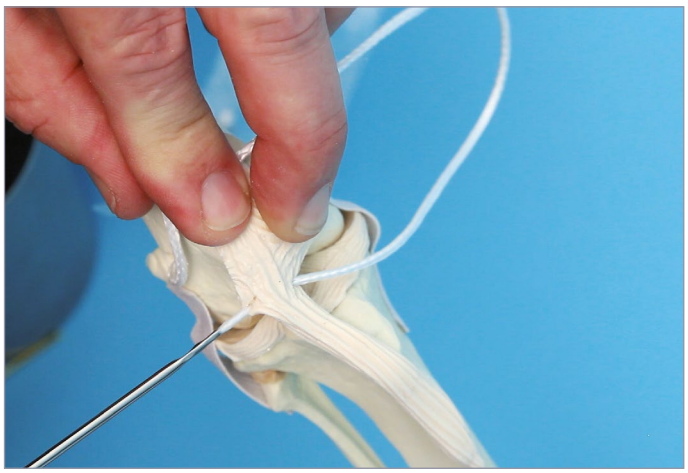
• 16

Using a 1.2 mm K wire penetrate the tendon below the patella and insert the needle.



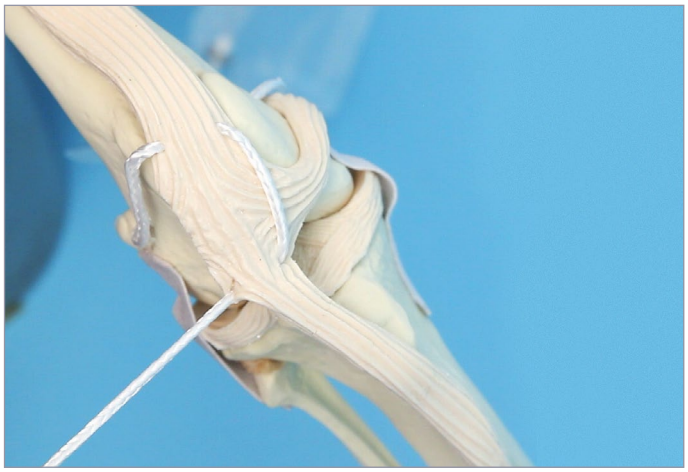
• **17**

Pull the suture trough the tendon.



• **18**

Pull the whole suture through the patellar tendon.

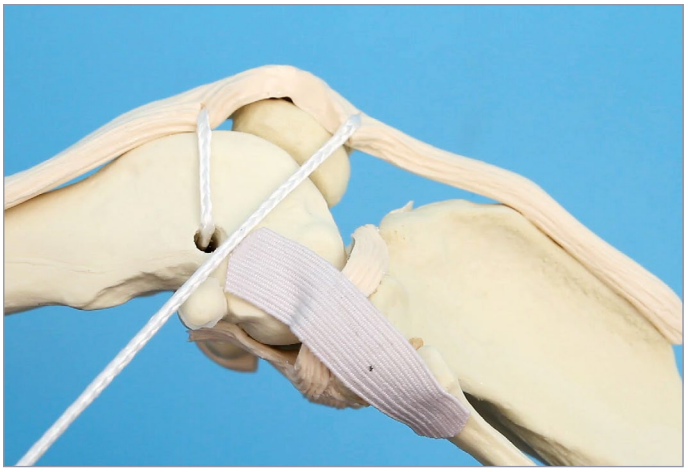


• **19**

Make sure that the button is sitting flush to the medial condile.

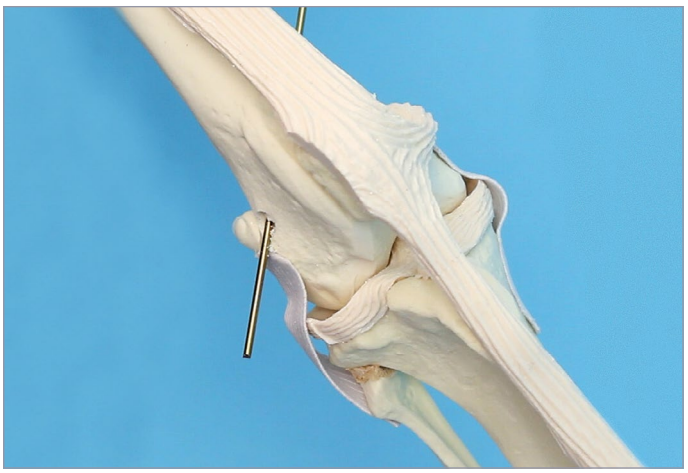
• **20**

Pull the suture completely through the tendon to test the desired tension.



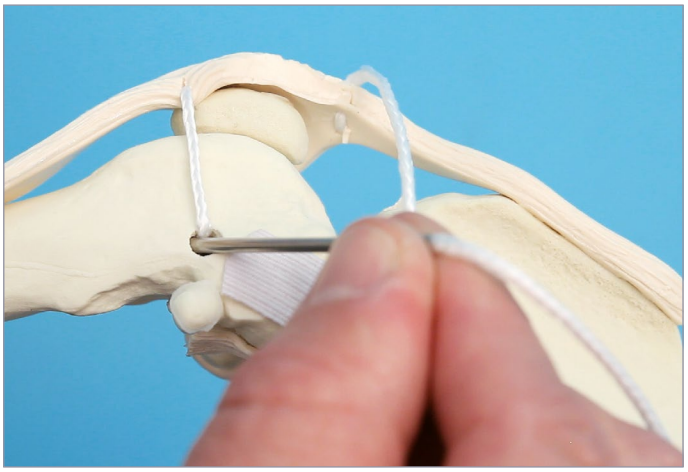
• 21

Pass a 1.2 mm K wire trough the 45° hole.



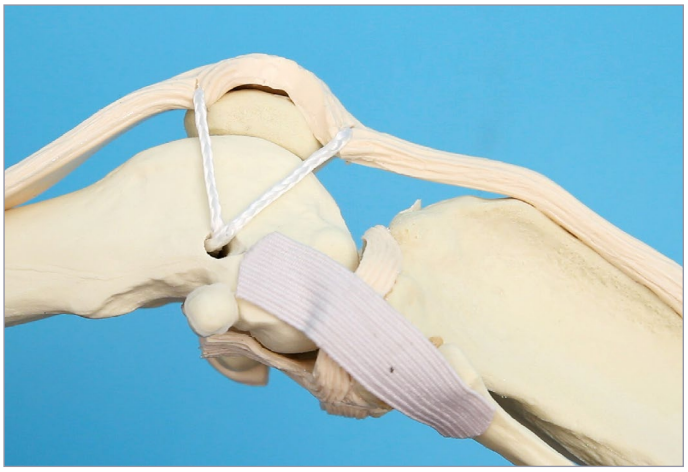
• 22

Guide the needle trough the wire.



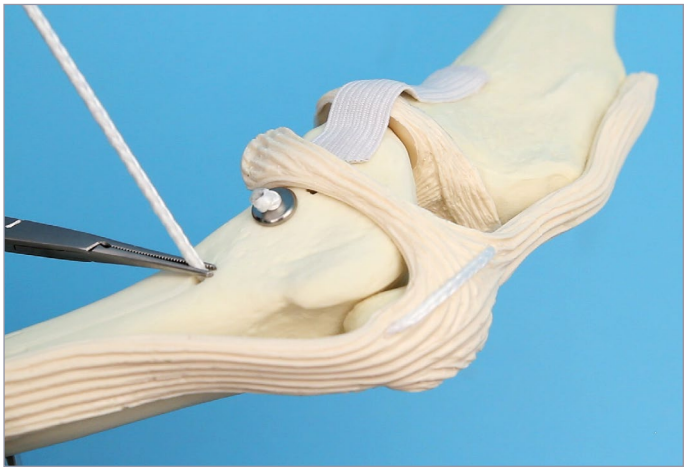
• 23

Pull the suture to achieve the desired tension.



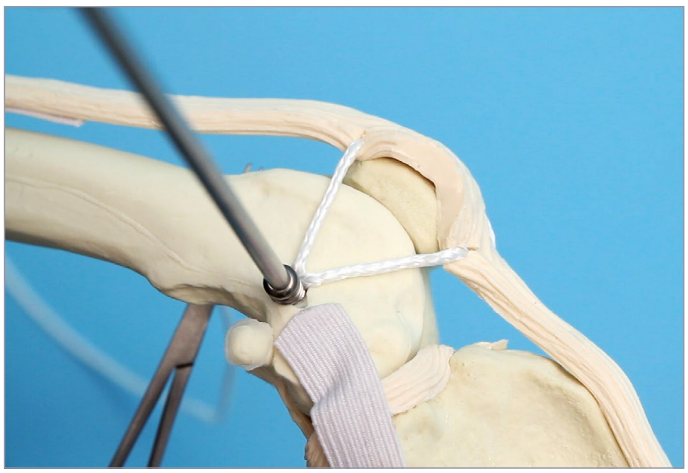
• 24

Pinch the suture on the medial condile to mantain tension.



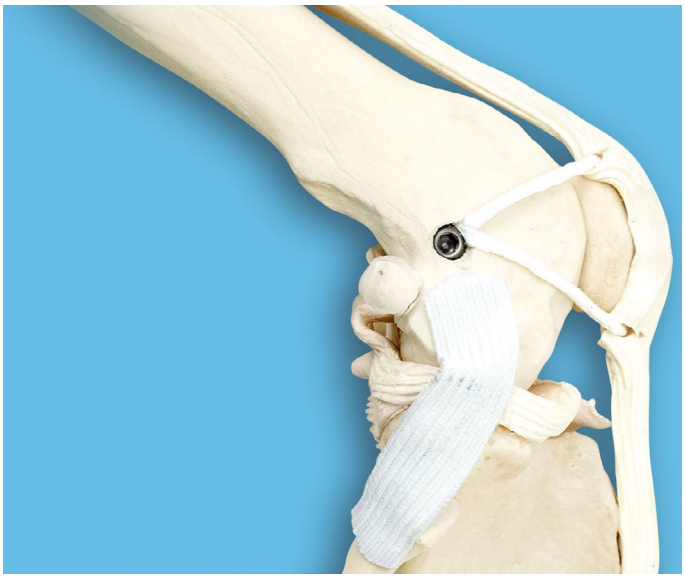
• **25**

Insert 5.5 mm interference screw (V4006) using the 2.5 mm screwdriver (VS340) in the lateral hole.



• **26**

Cut the suture on the medial side.



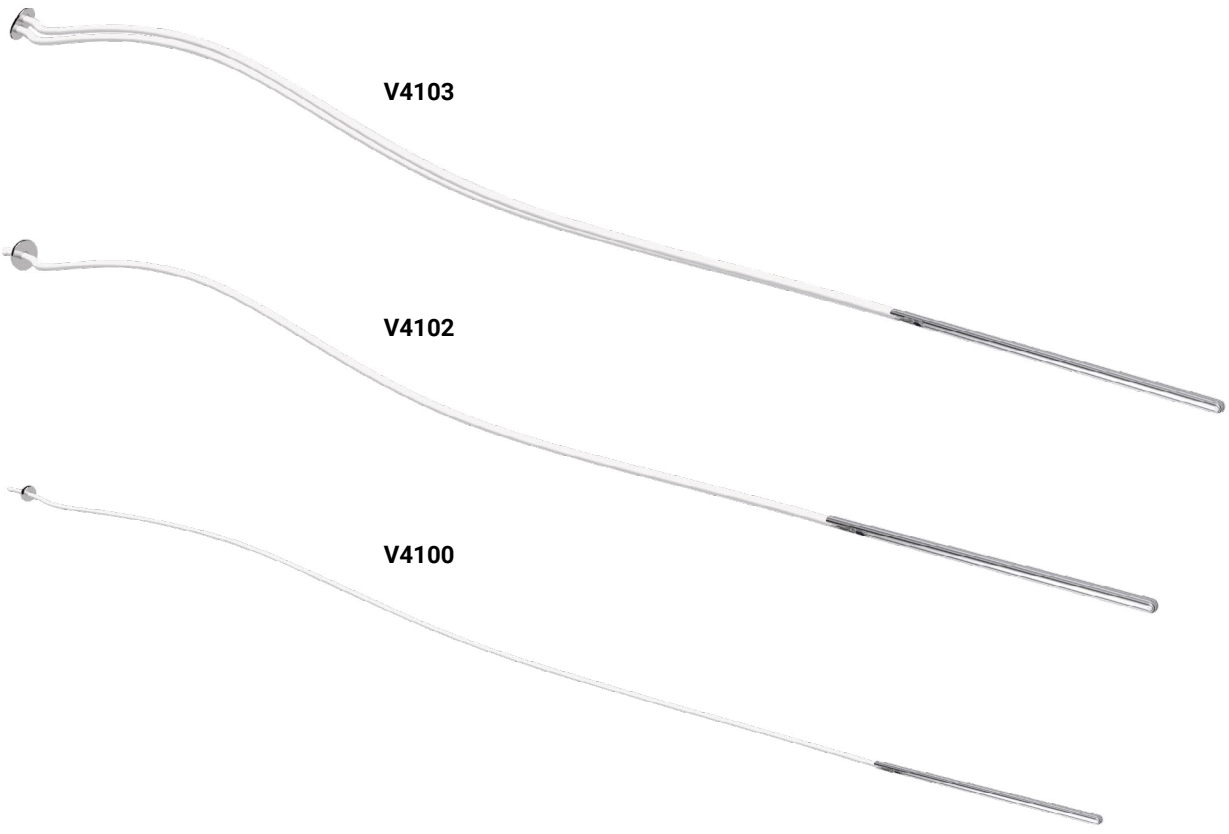
Ordering information.

/ IMPLANTS

Ref.	Description	Color Code
V4100	Iso-Lock Ø 1 mm	
V4102	Iso-Lock Ø 1.5 mm	
V4103	Iso-Lock Ø 2 mm	

/ KIT ISOLOCK

Ref.	Composition	Color Code
VK4100	Iso-Lock Ø 1 + Interference Screw Ø 4.0 + Reamer Ø 2.2 + 2x K-Wires Ø 1.5 L. 80	
VK4102	Iso-Lock Ø 1.5 + Interference Screw Ø 5.5 + Reamer Ø 2.8 + 2x K-Wires Ø 2 L. 100	
VK4103	Iso-Lock Ø 2 + Interference Screw Ø 5.5 mm + Reamer Ø 2.8 + 2x K-Wires Ø 2 L. 100	
VK4104	Iso-Lock Ø 1 + Interference Screw Ø 3.0 mm + Reamer Ø 2.2 + 2x K-Wires Ø1.5 L. 80	
VK4105	Iso-Lock Ø 1.5 + Interference Screw Ø 4.0 mm + Reamer Ø 2.8 + 2x K-Wires Ø 2 L. 100	



Instruments.

REF. V4007
Interference Screw Ø3.0mm

REF. V4005
Interference Screw Ø4.0mm

REF. V4006
Interference Screw Ø5.5mm

REF. VS406
Reamer Ø2.2mm

REF. VS407
Reamer Ø2.8mm

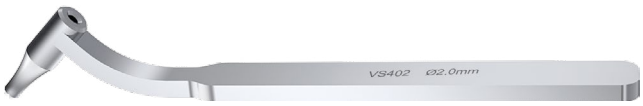
REF. VS408
Suture Fork Small

REF. VS409
Suture Fork Medium

REF. VS26
Ø1.0-1.2mm K-Wire Drill Guide

REF. VS401
Ø1.5mm K-Wire Drill Guide

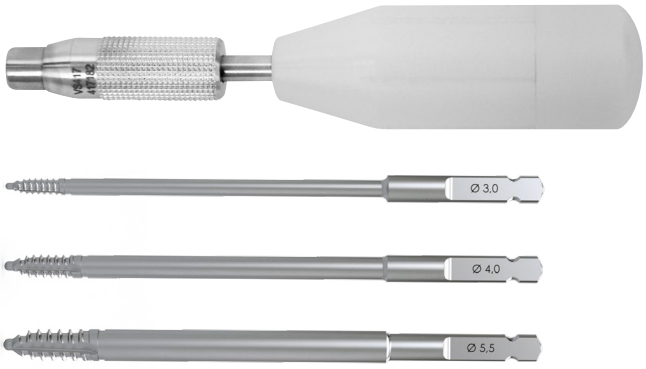
REF. VS402
Ø2.0mm K-Wire Drill Guide



REF. VS188
Micro Series Screwdriver HL5 (**VS188A** - Rod / **VS188B** - Handle)

REF. S340
2.5mm Hex Screwdriver (to use with V4005 and V4006 screws)

REF. VS418
Kit Tap Ø3.0 - 4.0 - 5.5mm Screw



/ K-WIRE

Ref.	Description
VS4110	K-Wire 100mm Ø 1.2
VS4120	K-Wire 80mm Ø 1.5
VS4130	K-Wire 100mm Ø 2.0

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