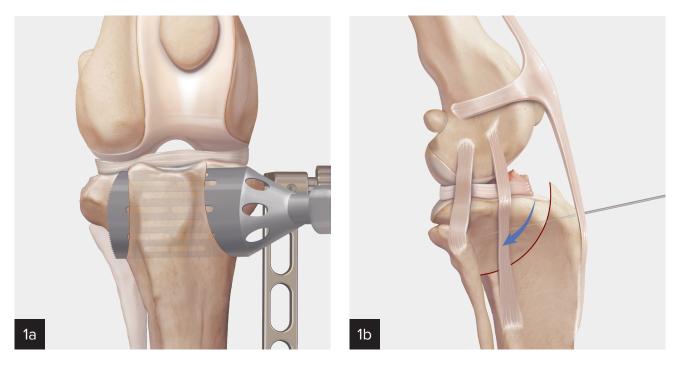
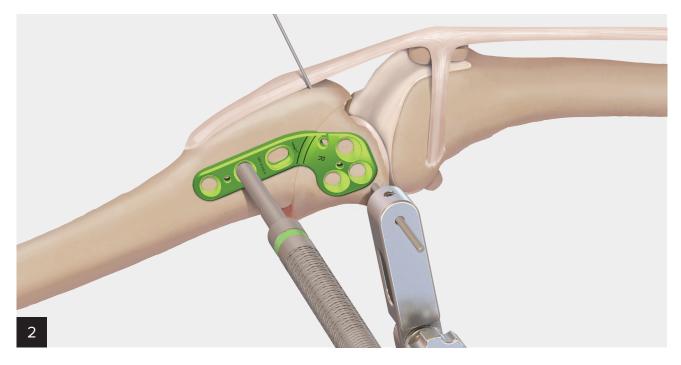
TPLO Small Plate System Surgical Technique for Tibial Plateau Leveling Osteotomy



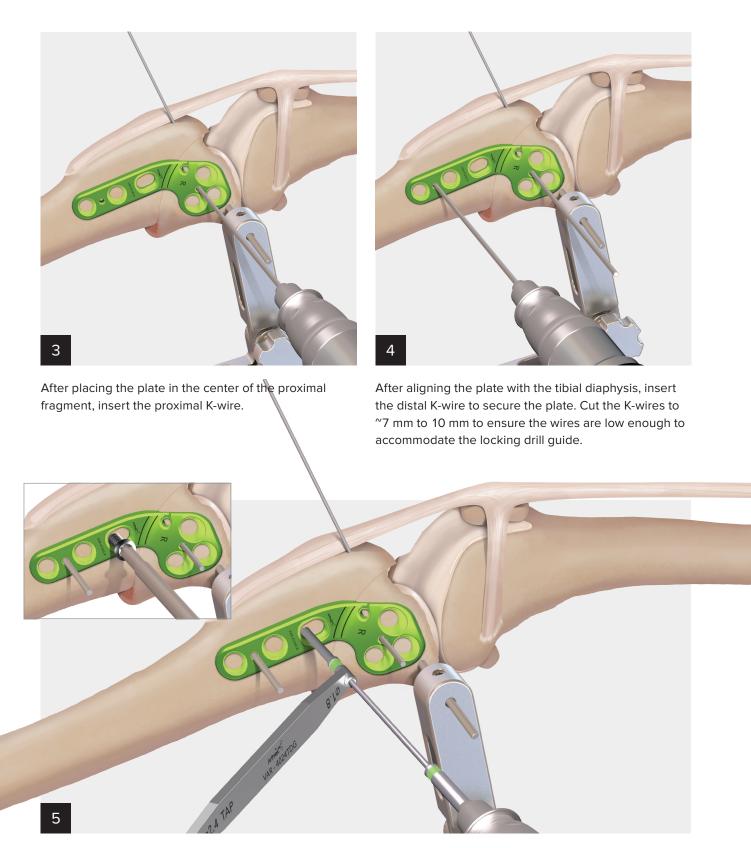
TPLO Small Plate System



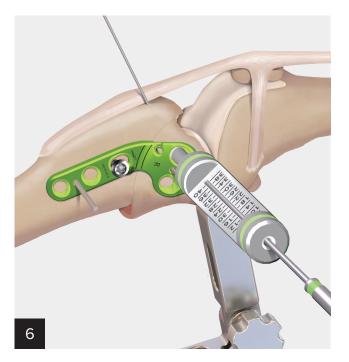
Perform a tibial plateau leveling osteotomy (TPLO) with or without a standard TPLO jig and the appropriate size saw blade. Secure the osteotomy using a Kirschner wire (K-wire) placed across the tibial tuberosity.



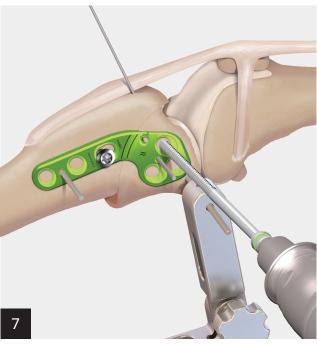
To properly align the TPLO plate, place the proximal screw holes in the center of the proximal fragment. Place the distal portion of the plate in the center of the distal fragment and align the laser lines with the osteotomy.



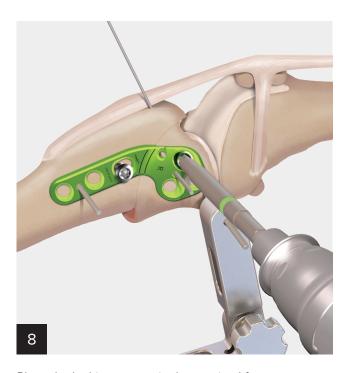
Use the appropriate size drill guide and drill bit to drill a hole in the compression position. Tap the hole using the appropriate size tap. Insert a cortical screw in compression position. This screw should be left slightly loose but in contact with the plate.



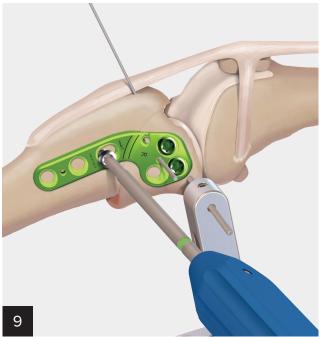
Use the locking drill guide to drill the hole and to measure its depth to the appropriate length. Use a depth gauge for a more consistent measurement.



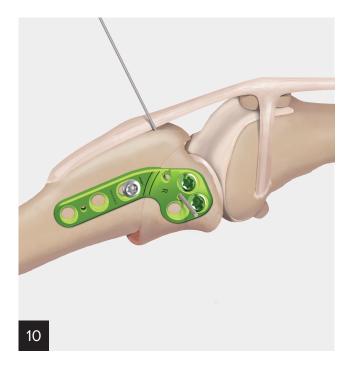
If appropriate, use the appropriate size tap to tap the hole.



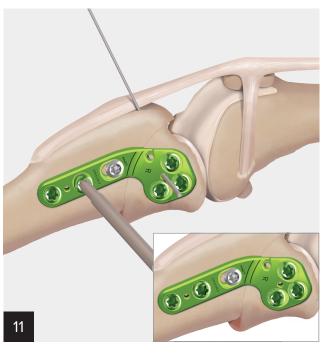
Place the locking screws in the proximal fragment.



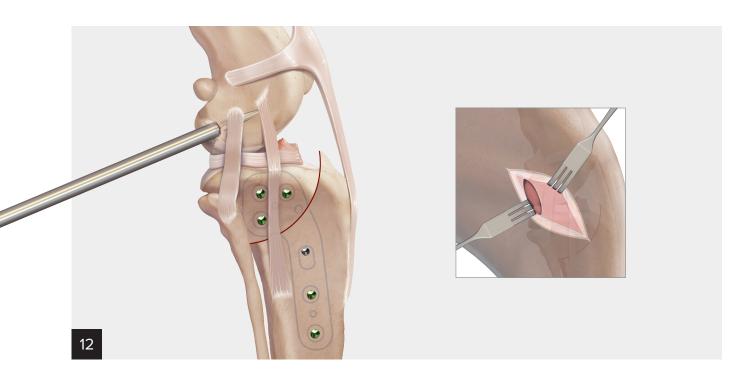
After removing the distal K-wire, tighten the compression screw by hand.



Insert the locking screws in the distal holes and final proximal hole, then remove the jig.



After all screws are placed, use a screwdriver to tighten each screw by hand and then remove the K-wire.



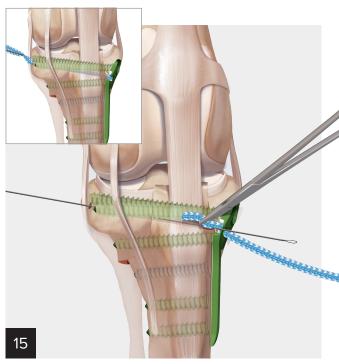
Expose the caudal aspect of the lateral femoral condyle. Drill a hole for the *Internal* Brace™ ligament augmentation PushLock® anchor using the appropriate size drill bit and guide.



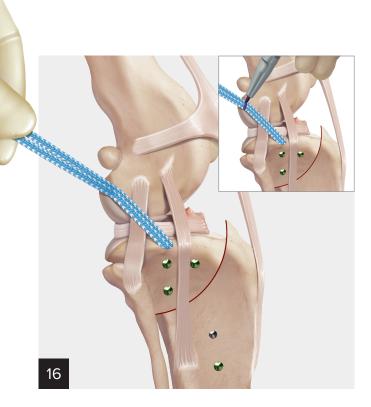
After exposing the tibial tunnel starting point behind the long digital extensor (LDE) groove, place the tip of the aiming guide in the suture hole of the plate and cinch the drill guide sleeve into place to secure the drill guide to the tibia. Drill the appropriately sized K-wire for the tibial tunnel, lateral to medial, making sure the K-wire exits near the open hole in the TPLO plate. Remove the drill guide after properly placing the K-wire.



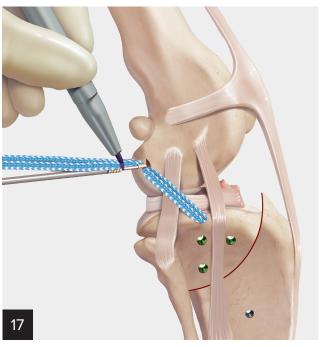
Use the appropriate size cannulated drill bit to create the tunnel.



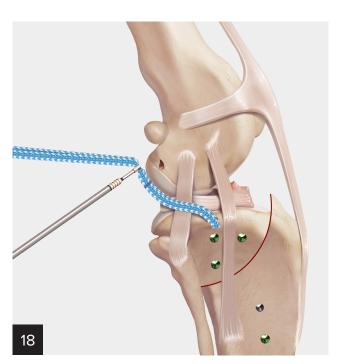
Loop the suture material through the suture hole on the TPLO plate and shuttle it through the tibial tunnel using the nitinol suture passer or nitinol suture-passing flag.



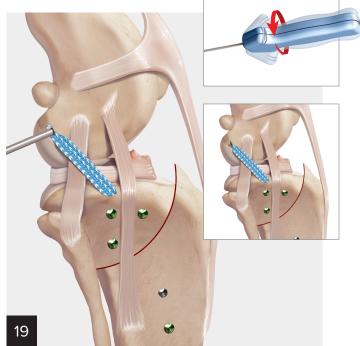
Pull both limbs of the suture material taut and lay over the predrilled hole in the femur. Use a pen to mark the location of the center of the hole on the suture (inset).



Slide the anchor eyelet over the mark created in Step 16. Pull both limbs of the suture material up the shaft of the InternalBrace $^{\text{\tiny{M}}}$ system anchor and mark the location of the laser line on the suture.



Move the eyelet to the mark on the suture material created in Step 17 and advance the anchor and suture into the F2 tunnel. If necessary, use a mallet to advance the eyelet into the predrilled F2 hole tunnel until the tip of the anchor is at the entrance to the femoral hole.



If the joint is secure, advance the anchor fully into the tunnel. Remove the driver from the anchor in the appropriate manner. Cut excess suture flush at the anchor.



Cranial view.



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Ordering Information

TPLO Plates

Product Description	Item Number
1.6 mm Locking Plates	
TPLO locking plate, 1.6 mm, standard, left	VAR- 4116S-L
TPLO locking plate, 1.6 mm, standard, right	VAR- 4116S-R
2.0 mm Locking Plates	
TPLO locking plate, 2.0 mm, standard, left	VAR- 4120S-L
TPLO locking plate, 2.0 mm, standard, right	VAR- 4120S-R
2.4 mm Locking Plates	
TPLO locking plate, 2.4 mm, standard, left	VAR- 4124S-L
TPLO locking plate, 2.4 mm, standard, right	VAR- 4124S-R

TPLO Screws

Product Description	Item Number
1.6 mm Low-Profile Cortical, Variable-Angle, Titanium	
Low-profile cortical screw, 1.6 mm × 6-20 mm Sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20 mm	VAR- 8916-06 to - 20
Low-profile variable angle screw, 1.6 mm × 6-20 mm Sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20 mm	VAR- 8916V-06 to - 20
Low-Profile Cortical, Locking, Variable-Angle, Titanium	
Low-profile cortical screw, 2.0 mm × 6-30 mm Sizes: 6, 7, 8, 9, 10, 12, 11, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm	VAR- 8920-06 to - 30
Low-profile variable angle screw, 2.0 mm × 6-30 mm Sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm	VAR- 8920V-06 to - 30
Low-profile locking screw, 2.0 mm × 6-30 mm Sizes: 6, 7, 8, 9, 10, 12, 11, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm	VAR- 8920L-06 to - 30
2.4 mm Low-Profile Cortical, Locking, Variable-Angle, Tit	anium
Low-profile cortical screw, 2.4 mm × 8-30 mm Sizes: 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm	VAR- 8924-08 to - 30
Low-profile variable angle 2.4 mm × 8-30 mm Sizes: 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 26, 28, 30 mm	VAR- 8924V-08 to - 30
Low-profile locking screw, 2.4 mm × 8-30 mm Sizes: 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm	VAR- 8924L-08 to - 30

Instruments

Product Description	Item Number
Common Instruments for 1.6 mm/2.0 mm/2.4 mm	TPLO Plates
TPLO tissue protector, mini	VAR- 4000TPM
TPLO caliper	VAR- 4000-CAL
Depth device, 2.0 mm/2.4 mm	VAR- 2024DD
Screw holding forceps	VAR- 8941F
Mini mallet, 7 in	VAR- 8826M
Low-profile Hohmann retractor	VAR- 13210
Wire cutter, 1.57 mm (0.062 in)	VAR- 8956-10
Instruments for 1.6 mm TPLO Plates	
Drill guide, 1.1 mm	VAR- 4016TDG
Drill/depth guide, locking, 1.6 mm	VAR- 4016DG
T6 driver (1.6 mm/2.0 mm)	VAR- 4020-01
T6 screwdriver	VAR- 4020-02
Locking plate holder, 2.0 mm	VAR- 4020-03
Instruments for 2.0 mm TPLO Plates	
Tap/nonlocking drill guide, 2.0 mm	VAR-4020TDG
Locking drill guide, 2.0 mm	VAR- 4020DG
Bone tap, 2.0 mm	VAR- 4020T
T6 driver, AO	VAR- 4020-01
T6 screwdriver	VAR- 4020-02
Locking plate holder, 2.0 mm	VAR- 4020-03
Instruments for 2.4 mm TPLO Plates	
Tap/nonlocking drill guide, 2.4 mm	VAR- 4024TDG
Locking drill guide, 2.4 mm	VAR- 4024DG
Bone tap, 2.4 mm	VAR- 4024T
T8 driver, AO	VAR- 4024-01
T8 screwdriver	VAR- 4024-02
Locking plate holder, 2.4 mm	VAR- 4024-03

Disposables and Limited Reusables

Product Description	Item Number
K-Wire, 1.14 mm (0.045 in)	VAR- 8933K
K-Wire, 1.57 mm (0.062 in)	VAR- 8941K
K-Wire, 1.98 mm (0.078 in)	VAR- 8945K
Drill bit, solid, AO, 1.1 mm (1.6 mm)	VAR- 4016D
Drill bit, solid, AO, 1.5 mm (2.0 mm)	VAR- 4020D
Drill bit, solid, AO, 1.8 mm (2.4 mm)	VAR- 4024D
Drill bit, solid, short, AO, 1.1 mm (1.6 mm)	VAR- 4016SD
Drill bit, solid, short, AO, 1.5 mm (2.0 mm)	VAR- 4020SD
Drill bit, solid, short, AO, 1.8 mm (2.4 mm)	VAR- 4024SD
Osteotome, 2 mm	VAR- 13203-02
Osteotome, 4 mm	VAR- 13203-04

Sets and Cases

Product Description	Item Number
TPLO set with instruments, 2.0 mm/2.4 mm	VAR- 402024S
TPLO case with screw caddies, 2.0 mm/2.4 mm	VAR- 402024C
TPLO screw caddy, 2.0 mm	VAR- 4020SC-01
TPLO screw caddy, 2.4 mm	VAR- 4024SC-01

*Internal*Brace™ Ligament Augmentation System

Product Description	Item Number	
Froduct Description	itelli Nullibei	
Implants for Internal Brace System		
2.5 mm PushLock® anchor	VAR- 8825P	
1.3 mm SutureTape	VAR- 7580	
#2 FiberWire® suture	AR- 7233	
Instruments for Internal Brace System		
2.5 mm PushLock punch	VAR- 1322P	
2.5 mm PushLock drill guide	VAR- 8825DG	
Aiming guide	VAR- 2810	
Disposables and Limited Reusables for <i>Internal</i> Brace System		
K-Wire, 1.24 mm (0.049 in)	VAR- 8920P	
Drill bit, 1.8 mm	VAR- 8825D-01	
Drill bit, 2.0 mm	VAR- 8825D-02	
Cannulated drill bit, 2.0 mm	VAR- 8933-20C	
Suture passing wire	VAR- 1255-08	

Product Weight Chart

All weight ranges are suggestions based on the ultimate load of the product and/or on our veterinary consultant's recommendation. It is up to the veterinarian to determine the proper product, application, technique, and weight range for using the selected product.





This is not veterinary advice and Arthrex recommends that veterinarians be trained in the use of any particular product before using it in surgery. A veterinarian must always rely on their own professional clinical judgment when deciding whether to use a particular product. A veterinarian must always refer to the package insert, product label, and/or directions for use before using any Arthrex product. Products may not be available in all markets because product availability is subject to the regulatory or veterinary practices in individual markets. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes. Please contact your Arthrex representative if you have questions about availability of products in your area.



Arthrex manufacturer, authorized representative, and importer information (Arthrex eIFUs)



US patent information

arthrexvetsystems.com