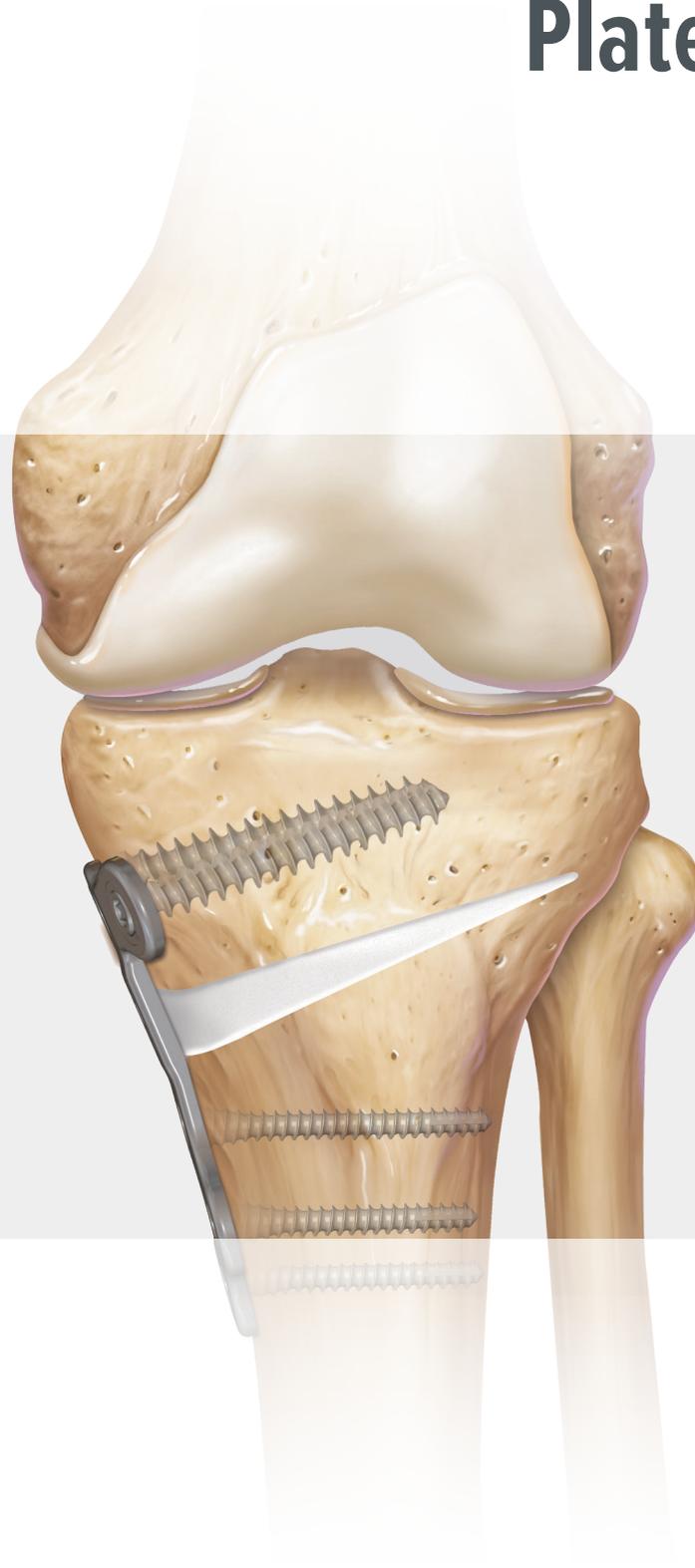
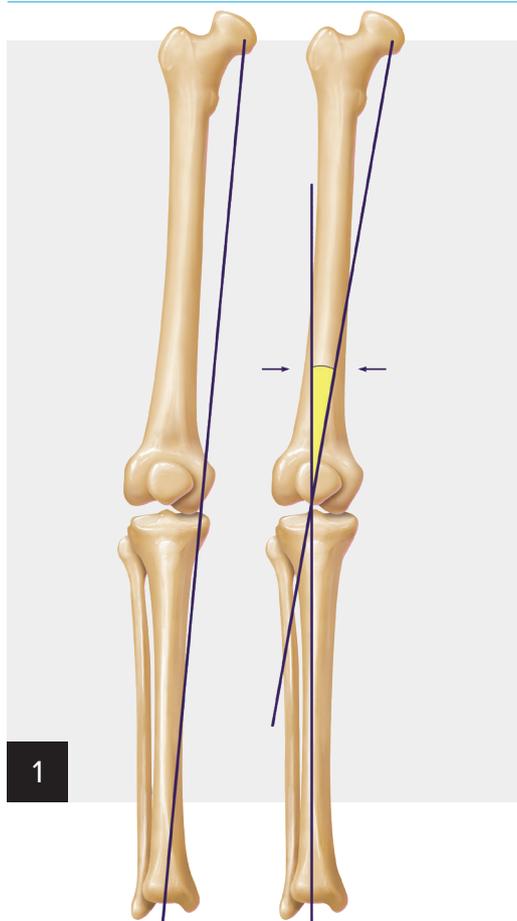


Opening Wedge Osteotomy With ContourLock™ HTO Plate System

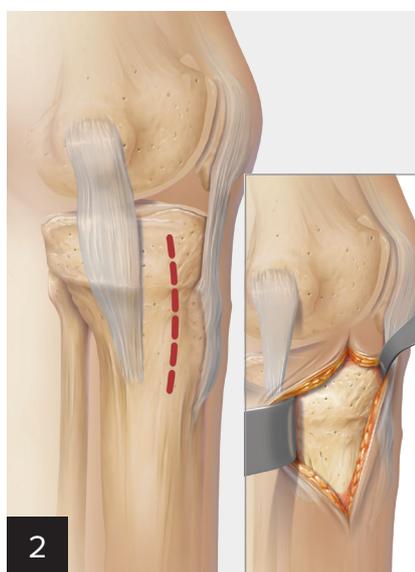
Surgical Technique



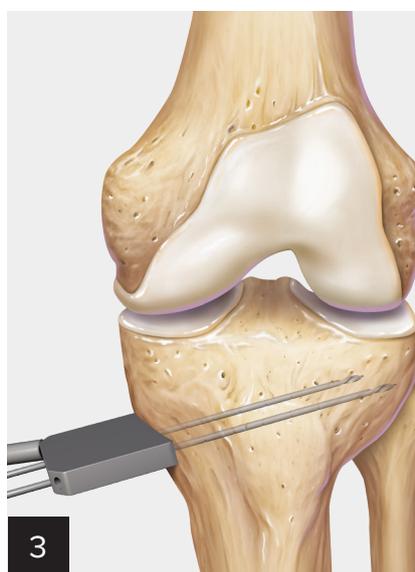


Using the full-length, standing A/P radiograph, draw a line from the center of the femoral head to the center of the tibiotalar joint. This demonstrates the patient's mechanical axis. Draw another line from the center of the femoral head to a point midway* in the lateral knee joint. Draw a final line from the center of the tibiotalar joint to the same point in the lateral knee joint. The angle formed by the intersection of these two lines determines the degree of correction required to return the patient's mechanical axis to the point of intersection on the lateral side. Prior to final fixation, the alignment will be verified by external examination and fluoroscopy.

***This point is located at 62.5% of the width of the proximal tibia (ie, 80 mm [width of proximal tibia] x 0.625 = 50 mm).**



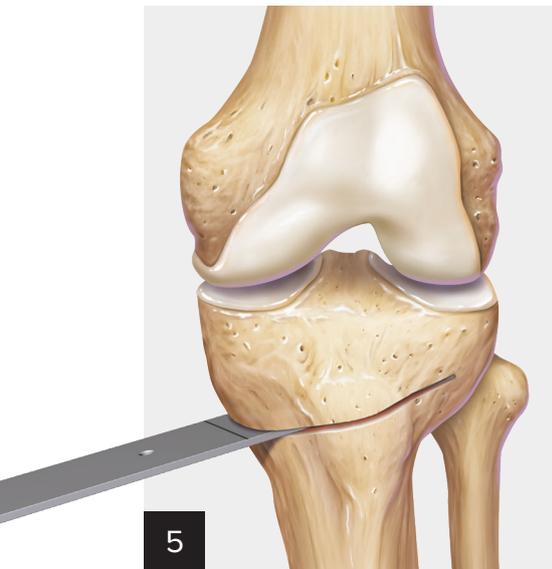
Make an incision between the MCL and the patellar tendon, and the soft tissue is reflected down to the region of the superficial MCL.



After reflecting back the superficial portion of the medial collateral ligament, position the cutting guide for HTO at the medial tibia above the level of the tibial tubercle. Drill two osteotomy guide pins through the guide to within 1 cm of the lateral cortex (angled toward the fibular head).

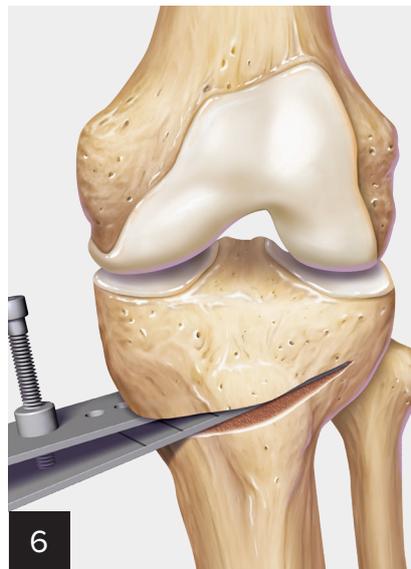


After proper posterior retraction and protection of the neurovascular structures, use an oscillating saw positioned against the inferior surface of the cutting guide to cut the tibial cortex medially, anteriorly, and posteriorly.



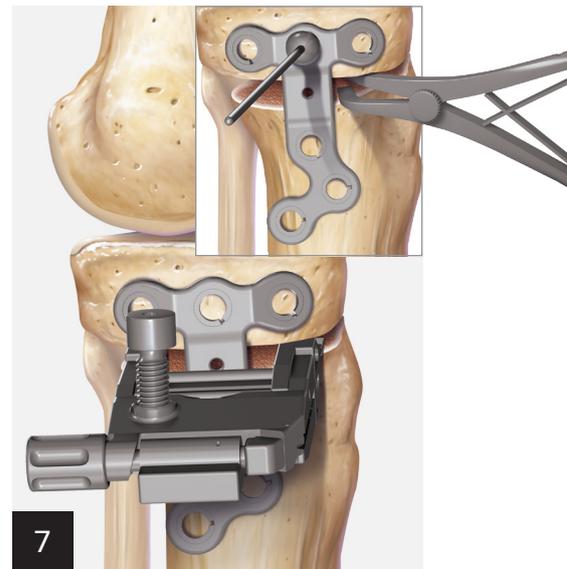
5

A single blade from the osteotome jack may be used to complete the osteotomy. Confirm the cutting depth repeatedly using fluoroscopy.



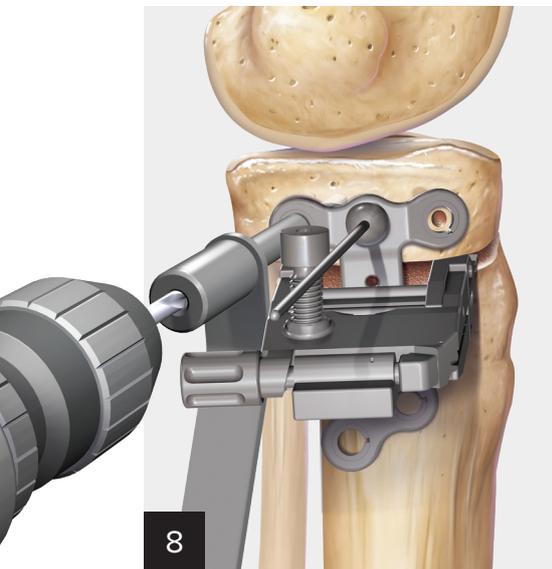
6

Insert both blades of the osteotome jack in the bone cut, aligning both blades to each other. Using the 3.5 mm hex screwdriver, turn the screw slowly, opening the osteotome jack to the desired correction (the wedge trial for HTO may be used to estimate the correction). Be sure to maintain the lateral tibial cortex hinge.



7

Apply the ContourLock™ HTO plate to the osteotomy and provisionally fixate with a large BB-Tak. Replace the osteotomes with the stabilizing opening jack or laminar spreader.



8

Insert the drill guide into the locking bushing and drill a hole to the appropriate screw depth (determine the screw length by visualizing the laser marks on the drill as it exits the drill guide). Install the proximal 6.5 mm cancellous screws first from posterior to anterior. The screws will lock into the bushings when fully seated.



9

Confirm satisfactory correction radiographically and insert the distal 4.5 mm cortical screws from proximal to distal. Quickset™ cement, an injectable macroporous calcium phosphate, may be used to provide additional stability to the osteotomy site.

Quickset is a trademark of Graftys, S.A.



10

Final fixation.

Ordering Information

| Product description | Item number |
|--------------------------|-------------|
| Tibial osteotomy toolbox | AR-13330TS |

ContourLock™ Plates

| Product description | Item number |
|---|-------------|
| ContourLock HTO plate, flat, left, 67 mm | AR-13730-01 |
| ContourLock HTO plate, flat, left, 71 mm | AR-13730-02 |
| ContourLock HTO plate, flat, left, 84 mm | AR-13730-03 |
| ContourLock HTO plate, flat, right, 67 mm | AR-13735-01 |
| ContourLock HTO plate, flat, right, 71 mm | AR-13735-02 |
| ContourLock HTO plate, flat, right, 84 mm | AR-13735-03 |

HTO Plate Screws

| Product description | Item number |
|--|-------------------|
| 4.5 HTO plate screws, titanium, cortical | |
| HTO plate screw 4.5 mm × 34-58 mm Sizes: 34 mm, 36 mm, 38 mm, 40 mm, 42 mm, 44 mm, 46 mm, 48 mm, 50 mm, 52 mm, 54 mm, 56 mm, 58 mm | AR-13380-34 to 58 |
| 6.5 HTO plate screws, titanium, cancellous | |
| HTO plate screw 6.5 mm × 35-70 mm Sizes: 35 mm, 40 mm, 45 mm, 50 mm, 55 mm, 60 mm, 65 mm, 70 mm | AR-13280-35 to 70 |

Bone Graft Substitute

| Product description | Item number |
|--------------------------|-------------|
| Quickset™ cement | |
| 5 cc kit | ABS-3005 |
| 8 cc kit | ABS-3008 |
| 16 cc kit | ABS-3016 |
| AlloSync™ DBM putty | |
| 1 cc | ABS-2012-01 |
| 2.5 cc | ABS-2012-02 |
| 5 cc | ABS-2012-05 |
| 10 cc | ABS-2012-10 |
| BoneSync™ putty | |
| 2.5 cc | ABS-3202 |
| 5 cc | ABS-3205 |
| 10 cc | ABS-3210 |
| 15 cc | ABS-3215 |
| OSferion osteotomy wedge | |
| 7 mm × 30 mm | AR-13370-1 |
| 10 mm × 30 mm | AR-13370-2 |
| 12 mm × 35 mm | AR-13370-3 |
| 15 mm × 35 mm | AR-13370-4 |

Products advertised in this brochure / surgical technique guide may not be available in all countries. For information on availability, please contact Arthrex Customer Service or your local Arthrex representative.



This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's directions for use. 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 and/or outcomes.



Arthrex Manufacturer,
Authorized Representative
and Importer information:
eIFU - Arthrex



US patent information

arthrex.com