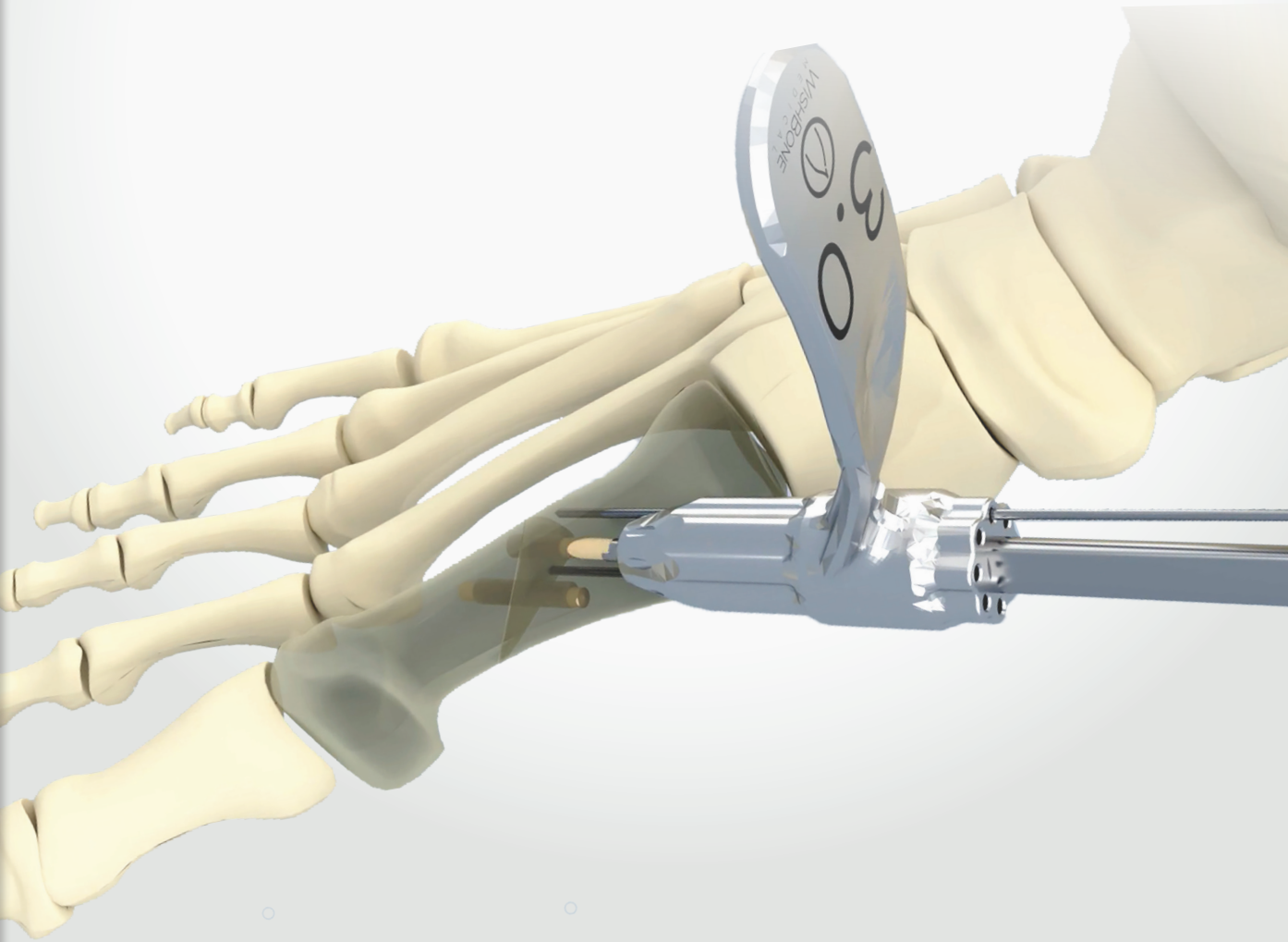


AlloMate

BONE PIN SYSTEM

SURGICAL TECHNIQUE



WISHBONE MEDICAL ALLOMATE BONE PIN SYSTEM

Single-Use | Sterile Packed

The AlloMate Bone Pin System includes AlloMate Bone Pins in a range of diameters and matching instrumentation for bone pin insertion. Sterile packed bone pins are precision-machined from sterilized human cortical bone.



FEATURES

- Convenient single-use, sterile packed procedure kits.
- No potentially painful and protruding hardware such as Steinmann pins and/or K-wires.
- AlloMate Bone Pins can be accurately trimmed intraoperatively with a Measurement Cutting Device to an appropriate length.
- No need for second surgery to remove metal hardware.
- Simple pre-drilling technique and insertion guide provides stable insertion of AlloMate Bone Pins across osteotomies and fractures.
- AlloMate Bone Pins can be identified on X-ray studies.

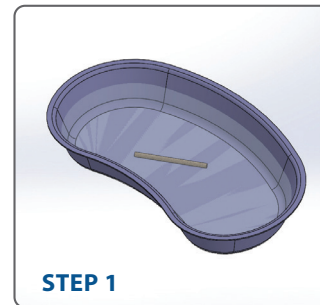
INDICATIONS

The AlloMate Bone Pin System is used to facilitate implantation of bone pins in pediatric and adult orthopedic and reconstructive procedures used for maintenance of alignment and fixation of bone fractures, osteotomies, arthrodesis, or bone grafts in the presence of appropriate additional immobilization (e.g. cast, brace).



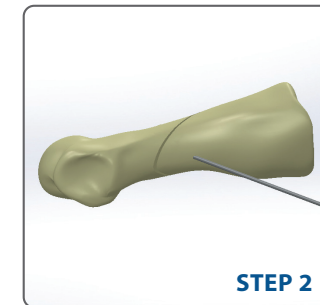
45mm Bone Pin

INSERTION INSTRUCTIONS



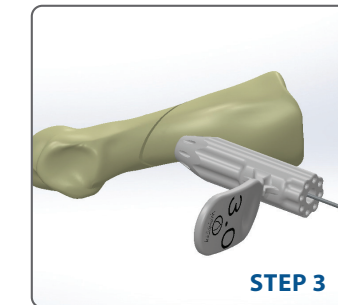
STEP 1

Place AlloMate Bone Pin in sterile saline for at least 15 minutes prior to insertion.



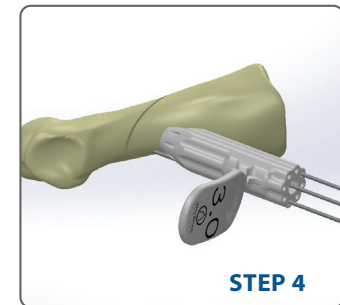
STEP 2

Reduce the fracture/osteotomy with or without bone clamp. Stabilize the fracture/osteotomy with one 1.25mm Fixation Pin through the bone to secure the fragments.



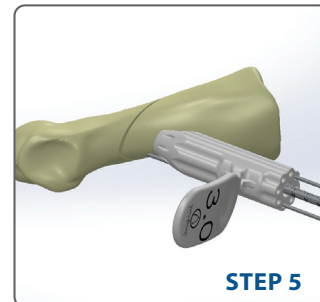
STEP 3

Slide the Cortical Bone Inserter over the Fixation Pin and rotate the Cortical Bone Inserter in order to place its handle into a desirable position.



STEP 4

Lock-in this position of the Cortical Bone Inserter using one to three more 1.25mm Fixation Pins through any of the perimeter holes on top of the Cortical Bone Inserter chamber.



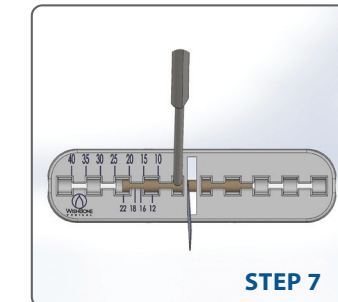
STEP 5

Once the Cortical Bone Inserter is secure via Fixation Pin stabilization, a Graduated Pin Reamer is used to create a canal from the proximal to the distal cortex of bone using the central aperture of the Cortical Bone Inserter.



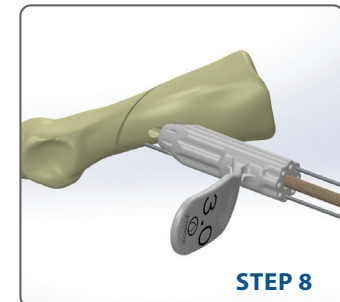
STEP 6

Fluoroscopy is then utilized to confirm Graduated Pin Reamer depth; AlloMate Bone Pin measurement is obtained from the reading at the top of the Cortical Bone Inserter.



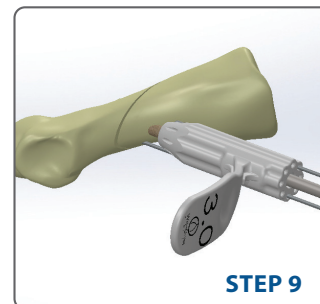
STEP 7

The AlloMate Bone Pin is to be cut to the appropriate length using a power saw. Use the Measurement Cutting Device as a guide to cut the AlloMate Bone Pin to length determined in step #5. The Tamp may be used to hold the AlloMate Bone Pin during cutting.



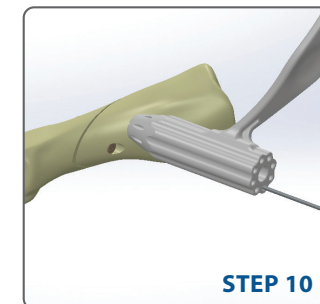
STEP 8

The AlloMate Bone Pin will now be placed in the central aperture of the Cortical Bone Inserter.



STEP 9

The Tamp is now inserted into the central aperture of the Cortical Bone Inserter. Impact the Tamp with a small mallet until the AlloMate Bone Pin is inserted to the desired depth (typically flush with the cortical surface).



STEP 10

For multiple implant insertions, remove all but one of the 1.25mm Fixation Pins from the Cortical Bone Inserter and rotate Inserter to new desired location.

NOTE

This technique is the same without variation using any diameter in the AlloMate Bone Pin System. Only the central aperture in the Cortical Bone Inserter, Tamp diameter and Pin Reamer will change.

PIN DIAMETERS

- 2.0mm
- 2.5mm
- 3.0mm
- 3.5mm
- 4.0mm

AlloMate

BONE PIN SYSTEM

ORDER INFORMATION

2.0mm AlloMate Instrument System	
2.0mm Cortical Bone Inserter	1
2.1mm Graduated Pin Reamer	3
1.25mm Fixation Pin	4
2.0mm Tamp	1
AlloMate Cutting Block	1

KIT # KIT-ABS-I20

2.5mm AlloMate Instrument System	
2.5mm Cortical Bone Inserter	1
2.6mm Graduated Pin Reamer	3
1.25mm Fixation Pin	4
2.5mm Tamp	1
AlloMate Cutting Block	1

KIT # KIT-ABS-I25

3.0mm AlloMate Instrument System	
3.0mm Cortical Bone Inserter	1
3.1mm Graduated Pin Reamer	3
1.25mm Fixation Pin	4
3.0mm Tamp	1
AlloMate Cutting Block	1

KIT # KIT-ABS-I30

3.5mm AlloMate Instrument System	
3.5mm Cortical Bone Inserter	1
3.6mm Graduated Pin Reamer	3
1.25mm Fixation Pin	4
3.5mm Tamp	1
AlloMate Cutting Block	1

KIT # KIT-ABS-I35

4.0mm AlloMate Instrument System	
4.0mm Cortical Bone Inserter	1
4.1mm Graduated Pin Reamer	3
1.25mm Fixation Pin	4
4.0mm Tamp	1
AlloMate Cutting Block	1

KIT # KIT-ABS-I40

Bone Pin Item	Description	QTY
CBP-ABS-020	2.0mm AlloMate Cortical Bone Pin	1
CBP-ABS-025	2.5mm AlloMate Cortical Bone Pin	1
CBP-ABS-030	3.0mm AlloMate Cortical Bone Pin	1
CBP-ABS-035	3.5mm AlloMate Cortical Bone Pin	1
CBP-ABS-040	4.0mm AlloMate Cortical Bone Pin	1

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The AlloMate Bone Pin System is only available as single-use, sterile packed kits. Always confirm product expiration date prior to use. *Bone pins manufactured for WishBone Medical.*



WishBoneMedical.com

100 Capital Drive
Warsaw, IN 46582

+1-574-306-4006

For product information, including indications, contraindications, warnings, precautions and potential adverse effects, visit WishBone Medical's Instructions for Use page online: www.WishBoneMedical.com/IFU.