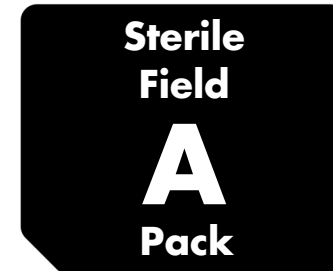


Digit Widget[®]

External Fixation System

For treatment of PIP joint flexion contractures.
Maintenance of joint extension depends on identification and treatment of force imbalance causing contracture.

Condensed Surgical Guide



WARNING:

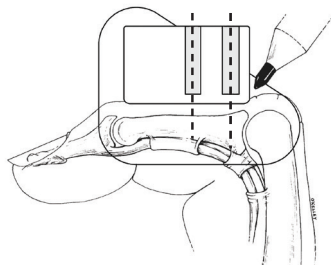
This Digit Widget[®] Condensed Surgical Guide is meant as a reminder only for pin installation. Refer to the Surgeon's Manual for complete installation instructions.

WARNING:

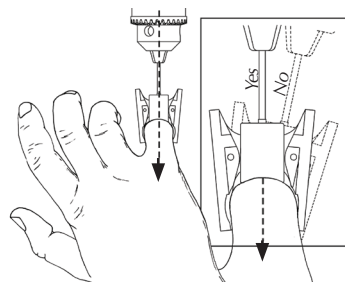
Pin installation should be done under fluoroscopic control.

Careful control of pin location and depth prevents damage to the joint surface and underlying flexor tendons.

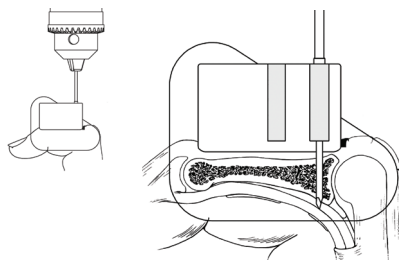
1 Place the **Drill Guide** on the finger using fluoroscopy to ensure the pins will be placed distal to the joint. Mark the skin at the proximal end of the guide.



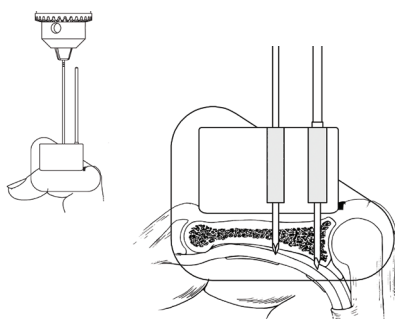
2 Center the Drill Guide on the dorsum of the finger so the drill will follow an axis which projects parallel to the proximal phalanx.



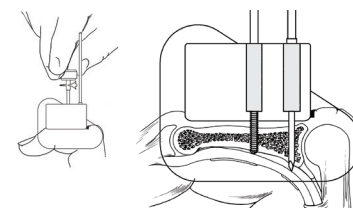
3 Using a power drill, insert the **Proximal Pre-Drill** through both cortices of the middle phalanx. Disengage chuck from Pre-Drill. Do NOT remove Pre-Drill from bone. The surgeon must firmly hold the Drill Guide on the finger while installing the Proximal and Distal Pre-Drills. The Drill Guide's self-clamping mechanism is intended to hold the Guide on the finger during fluoroscopic imaging prior to drilling.



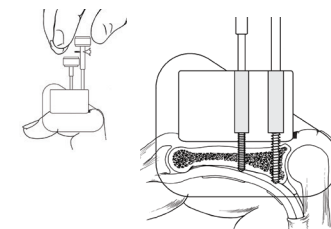
4 Using a power drill, insert the **Distal Pre-Drill** through both cortices of the middle phalanx. Keeping the Drill Guide aligned with the pre-drilled hole, remove the Distal Pre-Drill from the bone. Maintain Drill Guide alignment until Step 5 is completed.



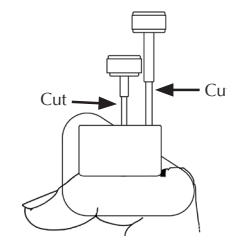
5 Manually insert the **Distal Pin** into the pre-drilled hole. It should extend through, but not beyond the palmar cortex of the middle phalanx.



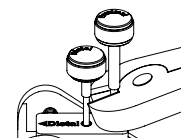
6 Maintaining alignment of the Drill Guide with the pre-drilled hole, remove the Proximal Pre-Drill. Manually insert the **Proximal Pin** into the pre-drilled hole so that it extends through, but not beyond, the palmar cortex of the middle phalanx.



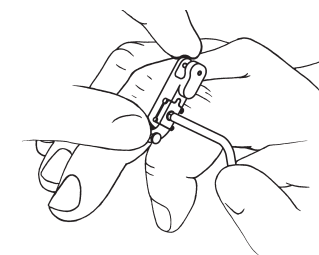
7 Make initial pin cuts just below each pin's shoulder to allow Drill Guide removal. The pins must be trimmed to final length only after the next step of installing the **Pin Block**. Remove the Drill Guide.



Caution: Cutting pins above the shoulder, or nicking the adjacent pin with pin cutters, prevents Drill Guide removal.



8 Use the **Hex Wrench** to loosen the pin clamp screw a couple turns. Slide the Pin Block over the pins until it is approx. 3/16" (5mm) above the dorsal skin. Tighten the pin clamp screw. Cut off the Bone Pins so that they are flush with the top of the Pin Block.



Hand Biomechanics Lab

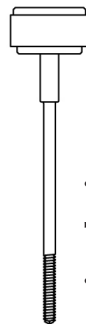
77 Scripps Drive, Suite 104 Sacramento, CA 95825 (800) 522-5778



Hex Wrench



Distal Pre-Drill



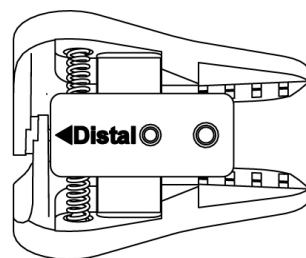
Distal Pin



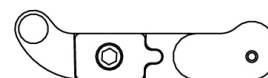
Proximal Pin



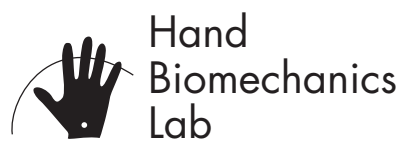
Proximal Pre-Drill



Drill Guide



Pin Block



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