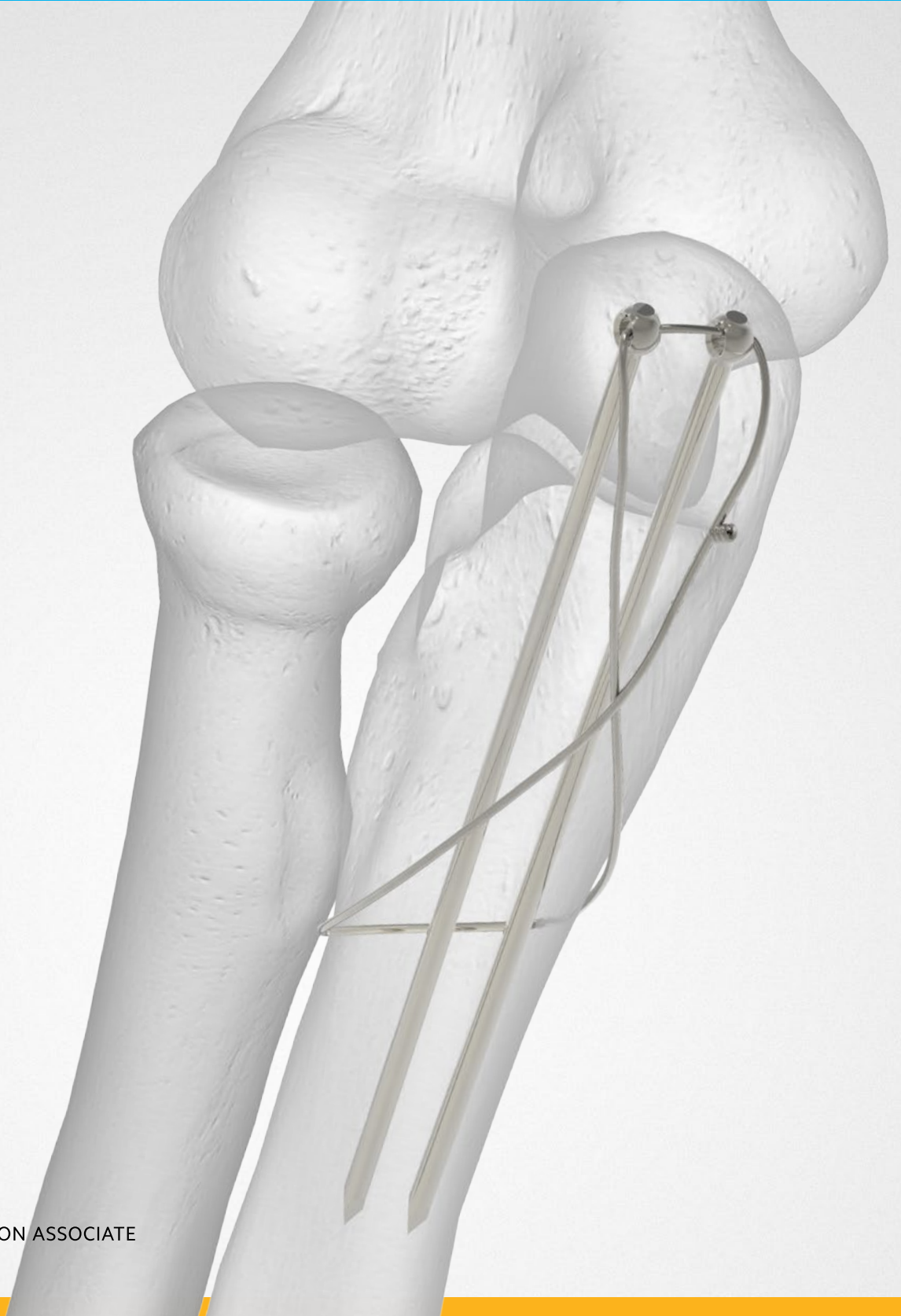


## Surgical Technique



Acumed® is a global leader of innovative orthopaedic and medical solutions.



We are dedicated to developing products, service methods, and approaches that improve patient care.



## Acumed® Tension Band Pin System 2

The Acumed Tension Band Pin System 2 is an interlocking system designed to provide low-profile, secure fixation for olecranon, patellar, and malleolar fractures.

The Acumed Tension Band Pin System 2 features a straightforward method intended to minimize the likelihood of pin migration. An eyelet is located on the proximal end of the stainless steel pin. By passing the cerclage wire through the eyelet, the pin is secured, helping to deter migration of the pins postoperatively. Capturing the pin is designed to allow compression to be maintained across the fracture or osteotomy site.

### Indications for Use

The Acumed Tension Band Pin System is intended to be used in tension band wiring procedures addressing malleolar, patellar, and olecranon fractures.

	Definition
<b>Warning</b>	Indicates critical information about a potential serious outcome to the patient or the user.
<b>Caution</b>	Indicates instructions that must be followed in order to ensure the proper use of the device.
<b>Note</b>	Indicates information requiring special attention.



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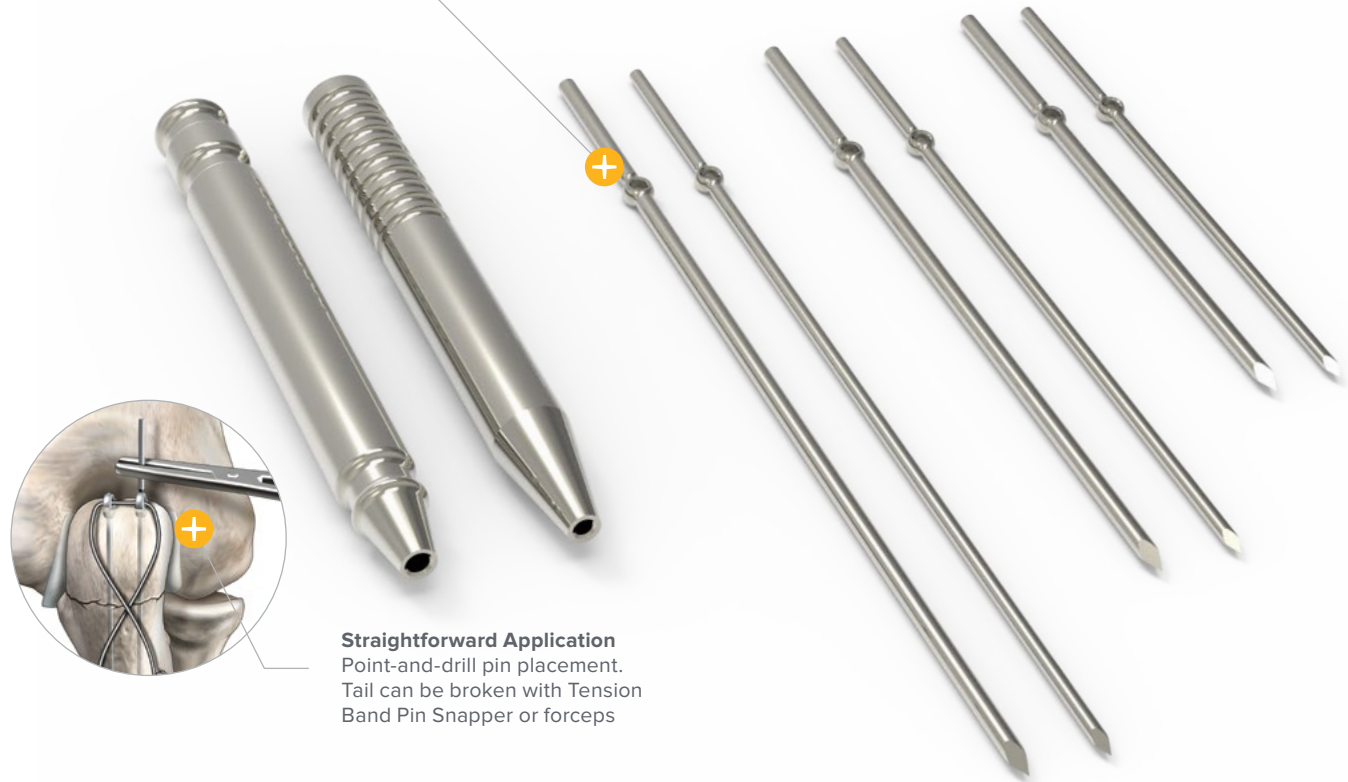
# System Features

### Low-profile

The low-profile head is designed to minimize soft-tissue irritation

### Secure Anchoring

The wire passes through the eyelet of the pin, a feature implemented for fracture reduction and secure anchoring—intended to reduce the likelihood of pin migration or back-out



### Straightforward Application

Point-and-drill pin placement. Tail can be broken with Tension Band Pin Snapper or forceps

Eyelet design intended for secure anchoring and to minimize pin migration

**50 mm Tension Band Pin**  
(30-0097)

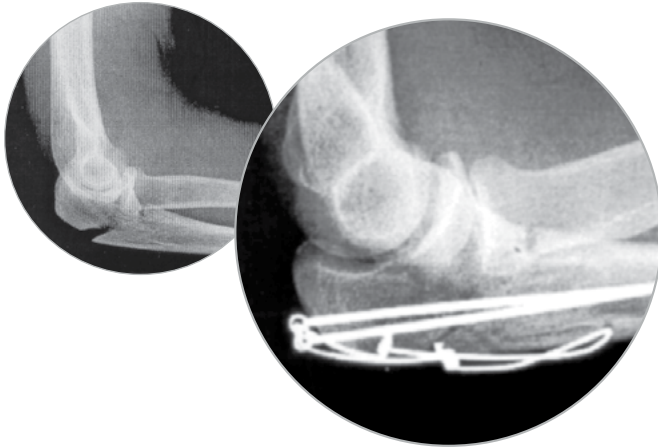
**70 mm Tension Band Pin**  
(30-0098)

**90 mm Tension Band Pin**  
(30-0099)

1.6 mm

# System Features [continued]

## Potential Applications

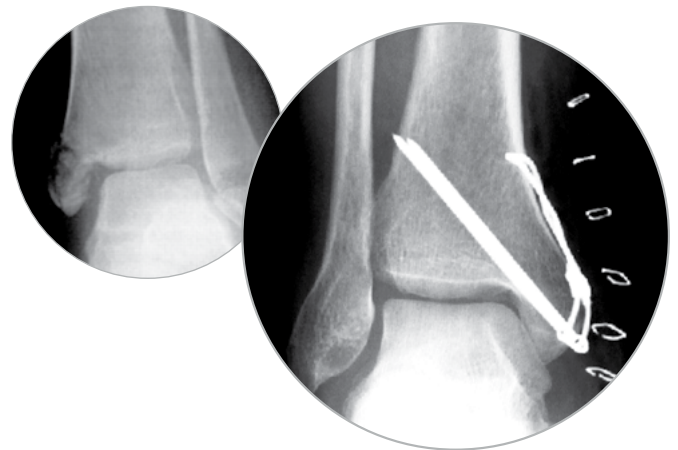


### Upper Extremity

- ▶ Olecranon Osteotomies
- ▶ Transverse Olecranon Fractures

The Acumed Tension Band Pin System is also available in non-sterile format in the Acumed Elbow Plating System.\* Designed for repairing osteotomies and fractures of the olecranon, 70 mm and 90 mm lengths are available.

\*Non-sterile Tension Band Pins not available in all sets.



### Lower Extremity

- ▶ Medial Malleolar Fractures
- ▶ Lateral Malleolar Fractures
- ▶ Patellar Fractures

Stainless steel pins available in sterile and non-sterile options



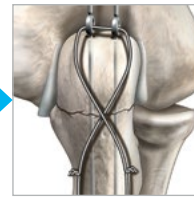
# Surgical Technique Overview

Tension Band  
Pin System 2  
Surgical Technique

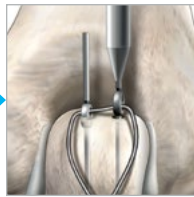
Initial Pin  
Placement



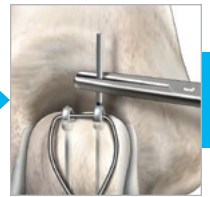
Cerclage Wire  
Passage



**Pin Head Seating**



**Final Tightening and Reduction**





# Tension Band Pin System 2 Surgical Technique

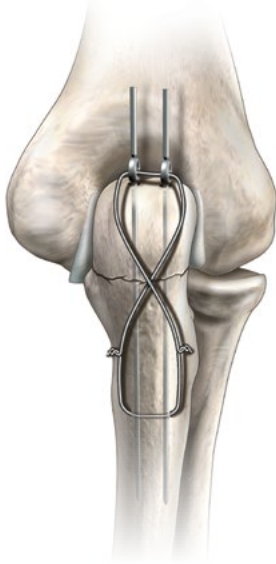
Figure 1



## 1 Initial Pin Placement

Using a guide wire driver, insert the selected size Tension Band Pins (30-0XXX) through the triceps attachment, aligning the pins in a parallel arrangement with the eyelets 5 mm proud.

Figure 2



## 2 Cerclage Wire Passage

Pass a 16 gauge or smaller stainless steel cerclage wire through both pins and the bone in a figure 8 application.

**Caution:** If passing the wire under the triceps tendon, a 12 gauge needle may be inserted through the tendon to help line up the eyelets and pass the wire.

**Note:** The cerclage wire is not available with this system.



Tension Band Pins  
(30-0XXX)



## Tension Band Pin System 2 Surgical Technique [continued]

### 3 Pin Head Seating

Using a mallet, seat the head of the Tension Band Pins into the bone with the appropriate size Tension Band Pin Snapper (80-0411 or 80-2150) included in the kit.

Figure 3

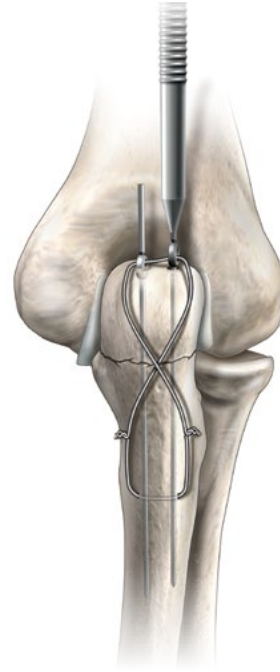
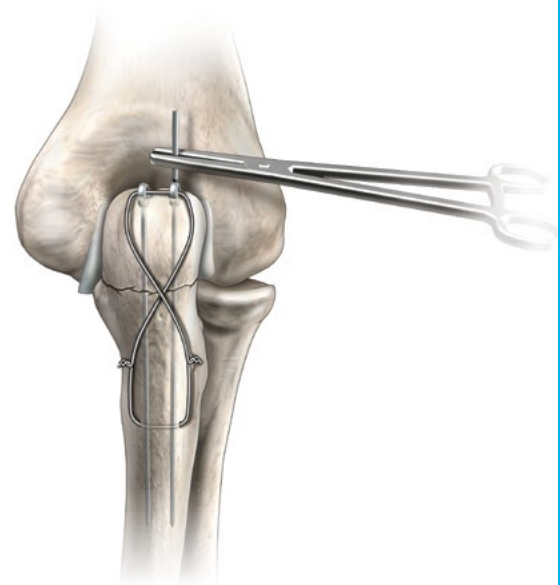


Figure 4

### 4 Final Tightening and Reduction

After tightening the wire to achieve the desired reduction, use the appropriate size Tension Band Pin Snapper or forceps to break the tail from the Tension Band Pins, and cut the trocar ends to length as necessary.



Tension Band Pin Snapper  
(80-0411)



2 mm Tension Band Pin Snapper  
(80-2150)

## Ordering Information

Components	
<b>Implants</b>	
50.0 mm Tension Band Pin*	30-0097
2 mm x 50 mm Tension Band Pin	30-0166
70.0 mm Tension Band Pin*	30-0098
2 mm x 70 mm Tension Band Pin	30-0167
90.0 mm Tension Band Pin*	30-0099
2 mm x 90 mm Tension Band Pin	30-0168
<b>Instrumentation</b>	
Tension Band Pin Snapper*	80-0411
2 mm Tension Band Pin Snapper	80-2150

To learn more about the full line of Acumed innovative surgical solutions, please contact your authorized Acumed distributor, call 888.627.9957, or visit [www.acumed.net](http://www.acumed.net).

Sterile Components	
<b>Implants</b>	
50.0 mm Tension Band Kit*	TB-1550K-S
2 mm x 50 mm Tension Band Kit	47-0002-S
70.0 mm Tension Band Kit*	TB-1570K-S
2 mm x 70 mm Tension Band Kit	47-0002-S
90.0 mm Tension Band Kit*	TB-1590K-S
2 mm x 90 mm Tension Band Kit	47-0003-S

\*1.6 mm diameter





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