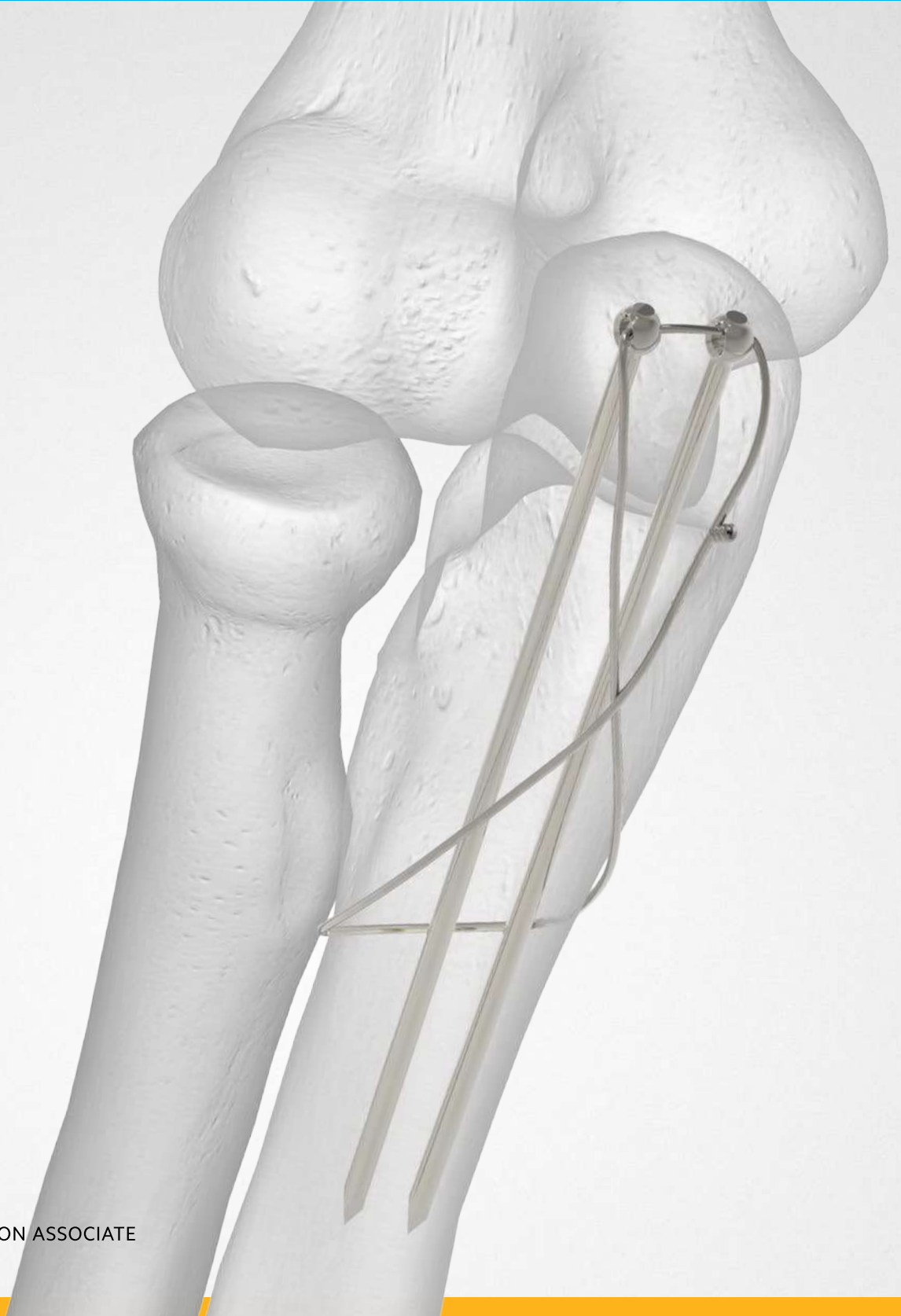


## Surgical Technique



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

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

The Acumed Tension Band Pin System 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.



# Table of Contents

System Features .....	<b>2</b>
Surgical Overview.....	<b>4</b>
Surgical Techniques .....	<b>6</b>
Tension Band Pin Surgical Technique .....	<b>6</b>
Ordering Information .....	<b>8</b>

# System Features

### Low-profile

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

### Secure Anchoring

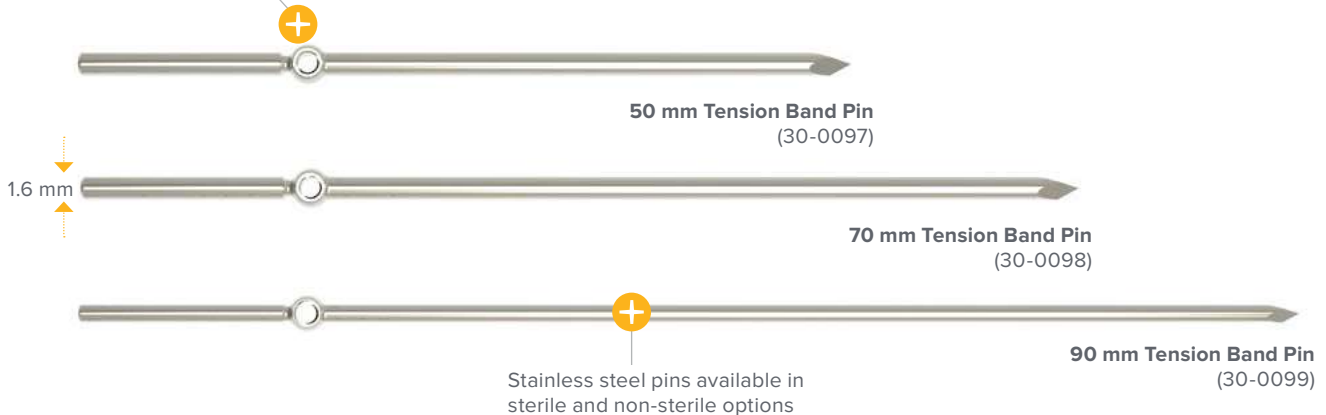
The wire passes through the eyelet of the pin, a feature implemented for fracture reduction and secure anchoring—intended to reduce the likelihood of pin migration or back-out



### Straightforward Application

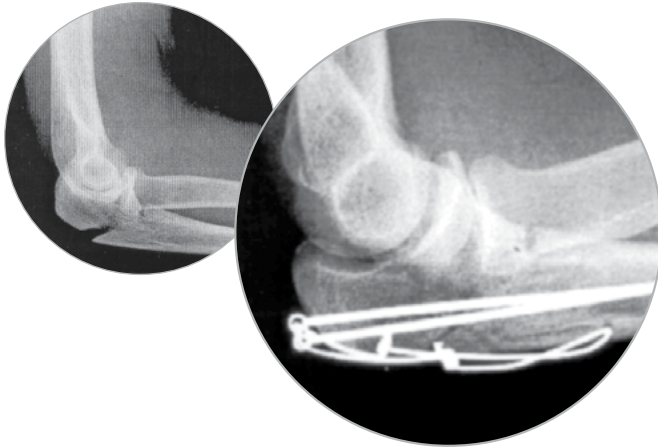
Point-and-drill pin placement. Tail can be broken with Tension Band Pin Snapper or forceps

Eyelet design intended for secure anchoring and to minimize pin migration



## 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.



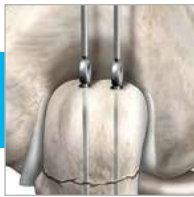
#### Lower Extremity

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

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

# Surgical Technique Overview

Initial Pin Placement



Cerclage Wire Passage



Tension Band Pin System Surgical Technique

**Pin Head Seating**



**Final Tightening and Reduction**



# Tension Band Pin Surgical Technique

Figure 1



## 1 Initial Pin Placement

Using a guide wire driver, insert the 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)

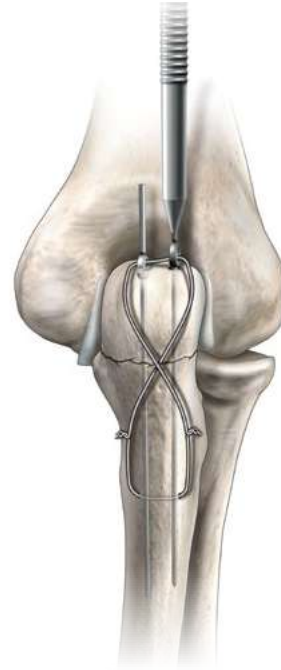


## Tension Band Pin Surgical Technique [continued]

### 3 Pin Head Seating

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

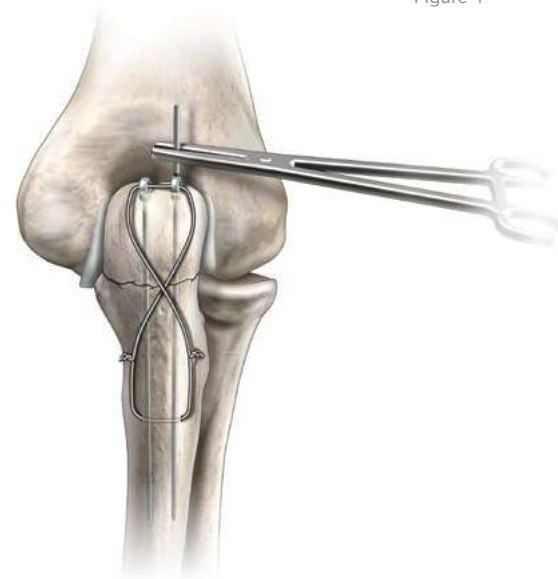
Figure 3



### 4 Final Tightening and Reduction

After tightening the wire to achieve the desired reduction, use the Tension Band Pin Snapper (80-0411) or forceps to break the tail from the Tension Band Pins, and cut the trocar ends to length as necessary.

Figure 4



Tension Band  
Pin Snapper  
(80-0411)

## Ordering Information

Components	
<b>Implants</b>	
50.0 mm Tension Band Pin	30-0097
70.0 mm Tension Band Pin	30-0098
90.0 mm Tension Band Pin	30-0099
<b>Instrumentation</b>	
Tension Band Pin Snapper	80-0411

Sterile Components	
<b>Implants</b>	
50.0 mm Tension Band Pin	TB-1550K-S
70.0 mm Tension Band Kit	TB-1570K-S
90.0 mm Tension Band Kit	TB-1590K-S

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).

Notes:

Multiple horizontal lines for taking notes.



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