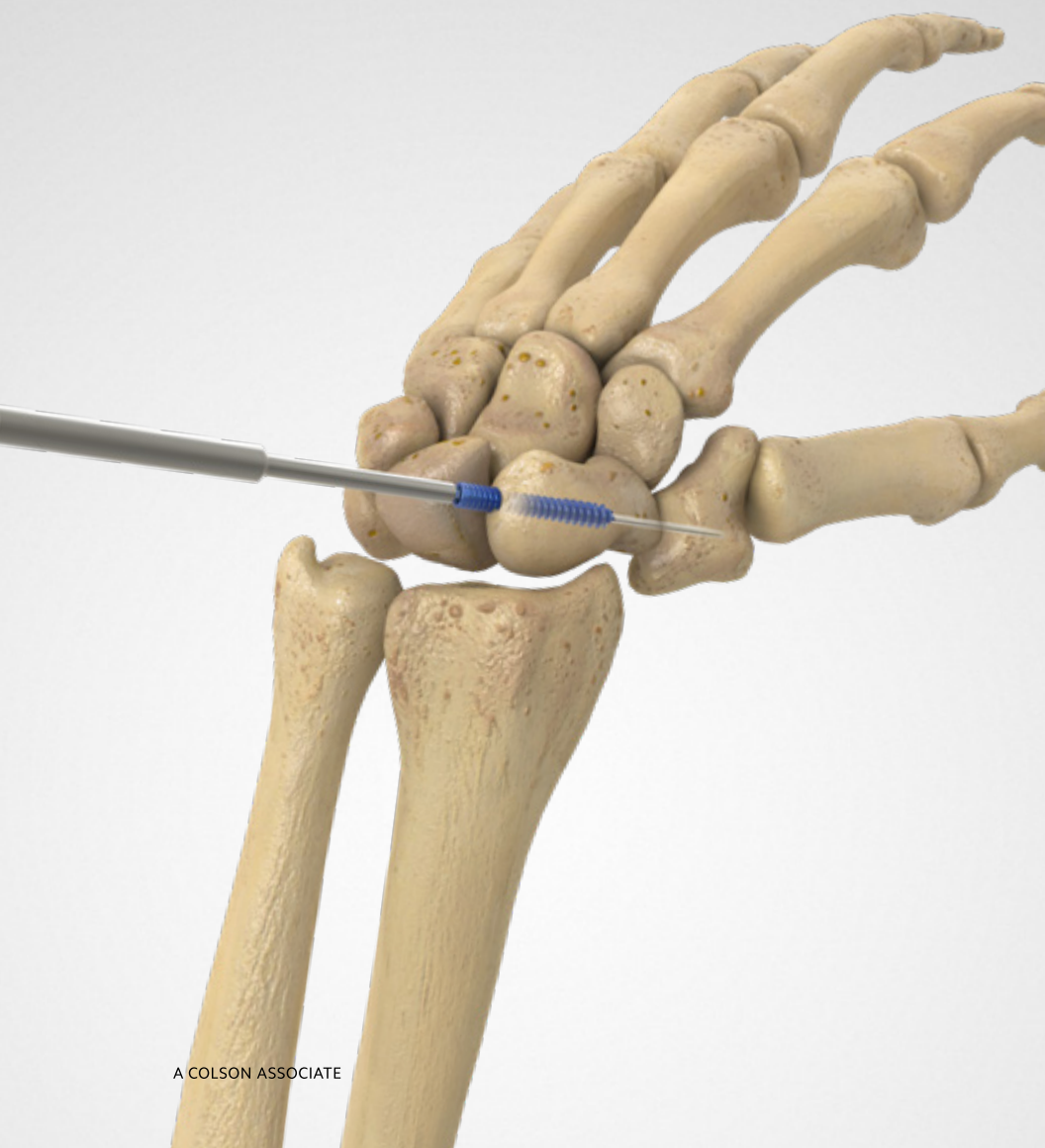




Acutrak 2® Headless Compression Screw System  
Micro, Mini, and Standard Screws

## Supplemental Use Guide—Dorsal Scaphoid



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® Acutrak 2® Headless Compression Screw System—Micro, Mini and Standard Screws

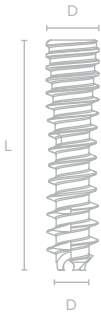
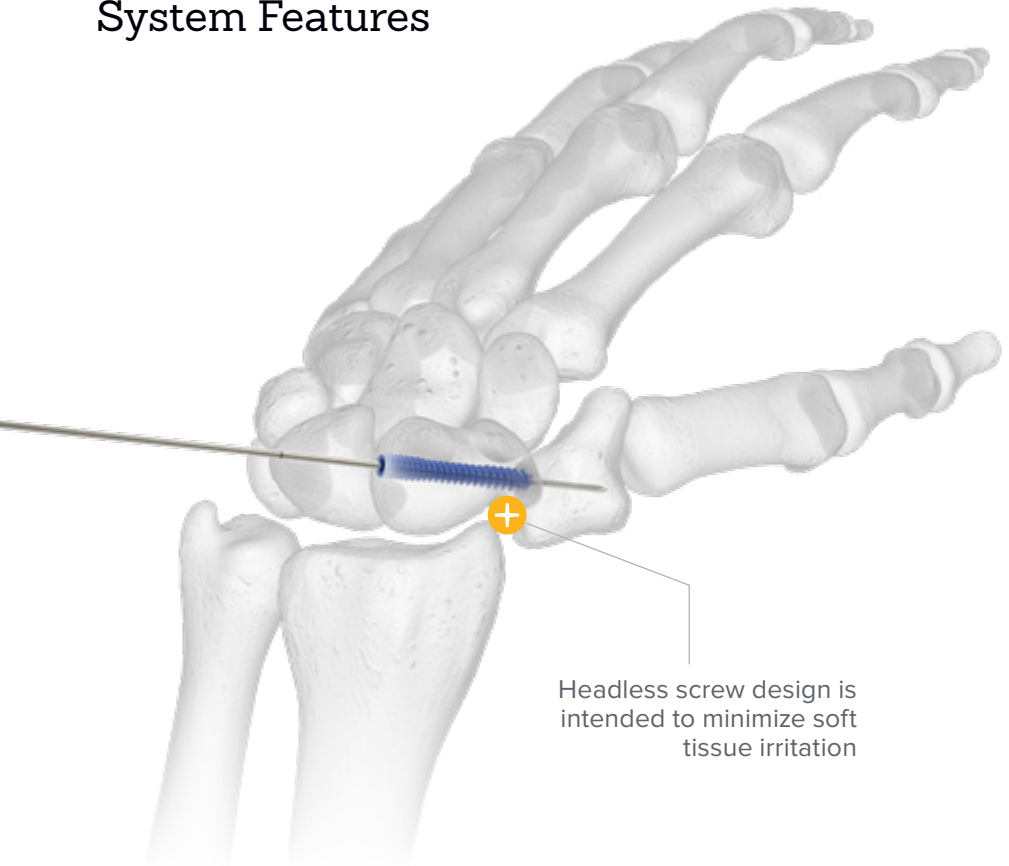
This guide is intended for supplemental use only and is not intended to be used as a stand-alone surgical technique. Reference the Acumed Acutrak 2 Headless Compression Screw System Surgical Technique (SPF00-02) for more information.

	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>
Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws.....	<b>4</b>
Ordering Information .....	<b>11</b>

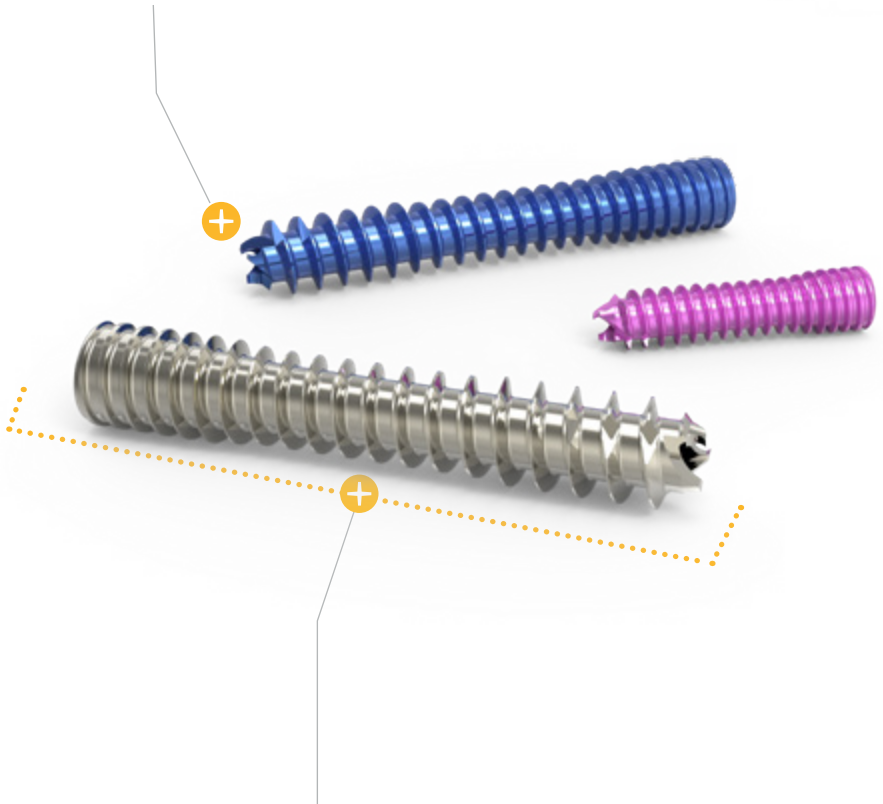
# System Features



Acutrak 2 Screws	Diameter	Length
Micro	Tip: 2.5 mm	1 mm increments 8–14 mm
	Tail: 2.8 mm	2 mm increments 14–30 mm
Mini	Tip: 3.5 mm	2 mm increments 16–30 mm
	Tail: 3.6 mm	
Standard	Tip: 4mm	2 mm increments 16–34mm
	Tail: 4.1mm	

# System Features

Self-cutting and self-tapping screw is designed to facilitate insertion into hard bone



Fully threaded, continuously variable thread pitch allows each thread along the entire length of the screw to aid in the reduction and compression of the fracture

# Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws

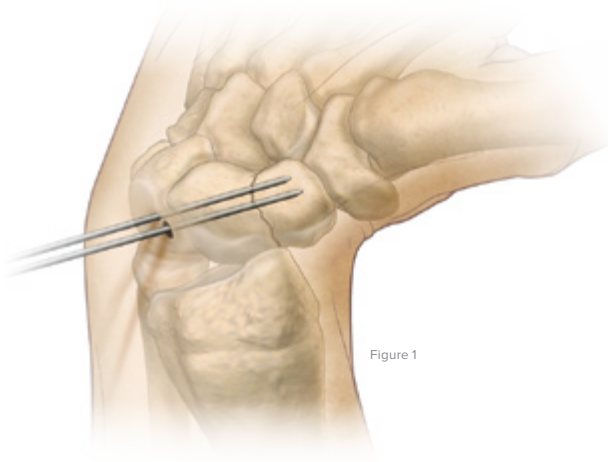


Figure 1

## 1 Approach and Needle Insertion

The entry point in the proximal pole is at the tip of the scaphoid immediately adjacent to the scapholunate ligament. This can be located either using an arthroscopy or mini open dorsal approach between the third and fourth extensor compartments.

Having established the entry point, introduce the appropriate guide wire, aiming for the base of the thumb, and check the position on the fluoroscope. Aim to place the leading edge of the guide wire, in the subchondral surface of the distal pole of the scaphoid. Confirm the wire placement and depth under fluoroscopy.

**Optional:** A 14 gauge IV cannula may be used to determine the entry point and may act as both a guide and soft tissue protector.

# Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws

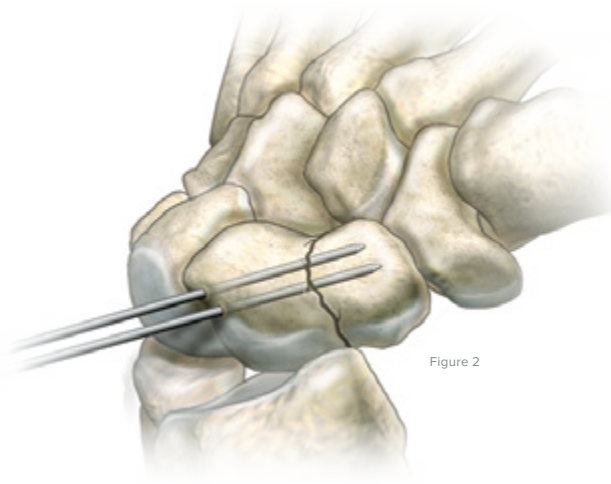


Figure 2

## **2** Fracture Stabilization

If the fracture is unstable, it may be helpful to place a second parallel guide wire using the parallel wire guides which are available for all three Acutrak 2 Screw families.

# Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws

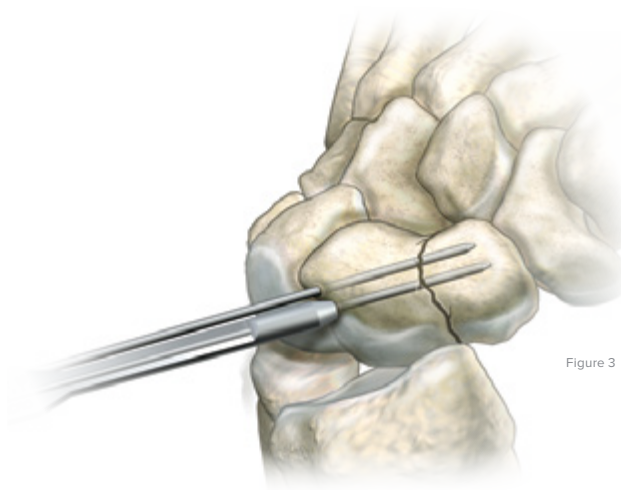


Figure 3

## **3** Determine Screw Length

Measure guide wire length using either the percutaneous screw sizer or by placing a second wire at the entry point and subtracting the difference in length. Subtract 2–4 mm from the measured length to ensure that both ends of the screw are buried within the bone.



# Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws

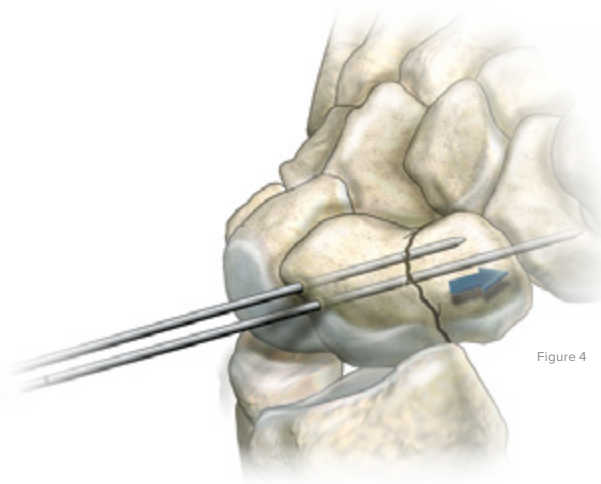


Figure 4

## **4** Advance Guide Wire

Advance the guide wire through the far cortex so that it lies in the subcutaneous tissues. This minimizes the risk of accidental withdrawal of the guide wire while drilling and facilitates wire removal if it should break.

# Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws

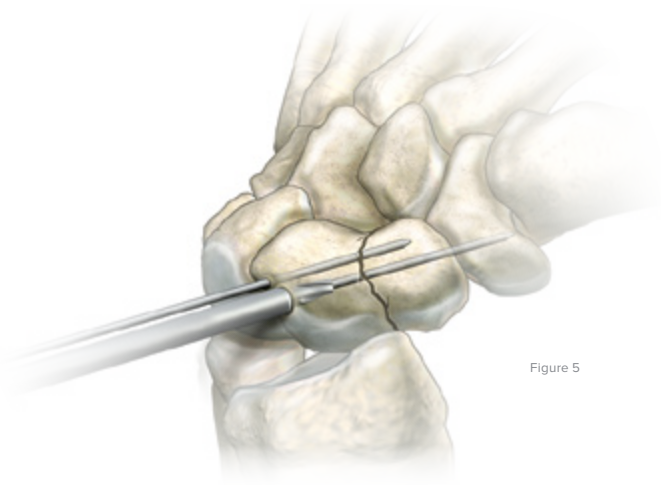
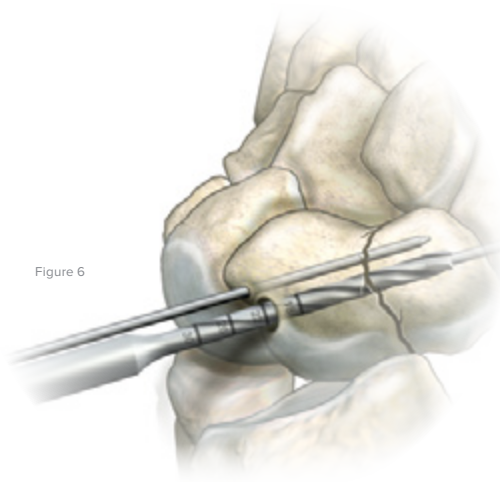


Figure 5

## **5** Drill Near Cortex

Open the near cortex with the appropriate profile drill.

# Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws



## 6 Drill Far Fragment

Next, drill into the far fragment with the long drill, ensuring that the long drill is past the fracture site.

**Note:** The long drill is recommended to mitigate the effects of varying bone density and distraction upon screw insertion.

# Dorsal Scaphoid Surgical Technique: Acutrak 2®—Micro, Mini, and Standard Screws

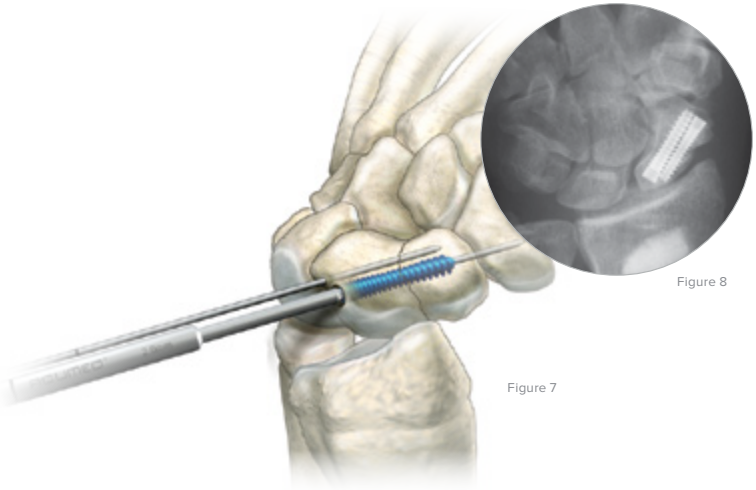


Figure 8

Figure 7

## 7 Screw Insertion

Insert the correct size screw with the appropriate hex driver. If resistance is met upon insertion or if distraction occurs: Stop, remove the screw, redrill with the long drill and insert the appropriate-length screw. Confirm placement and length of the screw under fluoroscopy, ensuring that both leading and trailing edges of the screw are beneath the articular surfaces. Finally, remove the guide wires.

# Ordering Information

## Acutrak 2®—Micro

### Implants

Non-Sterile 8 mm Micro Acutrak 2	AT2-C08
Non-Sterile 9 mm Micro Acutrak 2	AT2-C09
Non-Sterile 10 mm Micro Acutrak 2	AT2-C10
Non-Sterile 11 mm Micro Acutrak 2	AT2-C11
Non-Sterile 12 mm Micro Acutrak 2	AT2-C12
Non-Sterile 13 mm Micro Acutrak 2	AT2-C13
Non-Sterile 14 mm Micro Acutrak 2	AT2-C14
Non-Sterile 16 mm Micro Acutrak 2	AT2-C16
Non-Sterile 18 mm Micro Acutrak 2	AT2-C18
Non-Sterile 20 mm Micro Acutrak 2	AT2-C20
Non-Sterile 22 mm Micro Acutrak 2	AT2-C22
Non-Sterile 24 mm Micro Acutrak 2	AT2-C24
Non-Sterile 26 mm Micro Acutrak 2	AT2-C26
Non-Sterile 28 mm Micro Acutrak 2	AT2-C28
Non-Sterile 30 mm Micro Acutrak 2	AT2-C30

# Ordering Information

## Acutrak 2®—Micro [continued]

### Instrumentation

Micro Acutrak 2 Parallel Wire Guide Assembly	AT2-3500
.035" x 6" Guide Wire	WS-0906ST
Micro Acutrak 2 Profile Drill	AT2-1509
Micro Acutrak 2 Long Profile Drill	80-0100
1.5 mm Cannulated Hex Driver	HT-0915
Micro Acutrak 2 Extended Long Drill	80-1522
Micro Acutrak 2 Screw Sizer	80-1523
.035" x 6" Single Trocar Guide Wire	80-1524
.035" x 6" Double Trocar Guide Wire	80-1525

### Tray

Micro Acutrak 2 Extension Caddy	80-1526
Micro Acutrak 2 Extension Platter	80-1527
Micro Acutrak 2 Extension Platter Lid	80-1534

### X-Ray Template

Acutrak 2 Micro X-ray Template	ACT70-02
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# Ordering Information

## Acutrak 2®—Mini

### Implants

Non-Sterile 16 mm Mini Acutrak 2	AT2-M16
Non-Sterile 18 mm Mini Acutrak 2	AT2-M18
Non-Sterile 20 mm Mini Acutrak 2	AT2-M20
Non-Sterile 22 mm Mini Acutrak 2	AT2-M22
Non-Sterile 24 mm Mini Acutrak 2	AT2-M24
Non-Sterile 26 mm Mini Acutrak 2	AT2-M26
Non-Sterile 28 mm Mini Acutrak 2	AT2-M28
Non-Sterile 30 mm Mini Acutrak 2	AT2-M30

### Instrumentation

Mini Acutrak 2 Parallel Wire Guide Assembly	AT2-4500
.045" x 6" Guide Wire	WS-1106ST
Mini Acutrak 2 Profile Drill	AT2M-1813
Mini Acutrak 2 Long Drill	AT2M-L1813
2 mm Cannulated Hex Driver	HT-1120

### X-ray Template

Acutrak 2 Mini X-ray Template	ACT70-03
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# Ordering Information

## Acutrak 2® Standard, Mini, and Micro

### Additional Instrumentation

Arthroscopic Cannula Assembly	80-0519
Acutrak 2 Arthroscopic Probe	AT2-0402
Acutrak 2 Percutaneous Screw Sizer (Standard, Mini, Micro)	AT2-SMCZ
Plunger Assembly	AT-7060

### Acutrak 2® Standard Implants

Non-Sterile 16 mm Standard Acutrak 2	AT2-S16
Non-Sterile 18 mm Standard Acutrak 2	AT2-S18
Non-Sterile 20 mm Standard Acutrak 2	AT2-S20
Non-Sterile 22 mm Standard Acutrak 2	AT2-S22
Non-Sterile 24 mm Standard Acutrak 2	AT2-S24
Non-Sterile 26 mm Standard Acutrak 2	AT2-S26
Non-Sterile 28 mm Standard Acutrak 2	AT2-S28
Non-Sterile 30 mm Standard Acutrak 2	AT2-S30
Non-Sterile 32 mm Standard Acutrak 2	AT2-S32
Non-Sterile 34 mm Standard Acutrak 2	AT2-S34



# Ordering Information

## Acutrak 2® Standard, Mini, and Micro [continued]

### Acutrak 2® Standard Instruments

Standard Acutrak Parallel Wire Guide Assembly	AT2-5400
.054" x 7" Guide Wire	WS-1407ST
Standard Acutrak 2 Profile Drill	AT2-2515
Standard Acutrak 2 Long Drill	AT2-L2515
2.5 mm Cannulated Hex Driver	HT-1725

**Note:** All screws are also available sterile-packed. Add an -S to end of product number for sterile product.

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







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