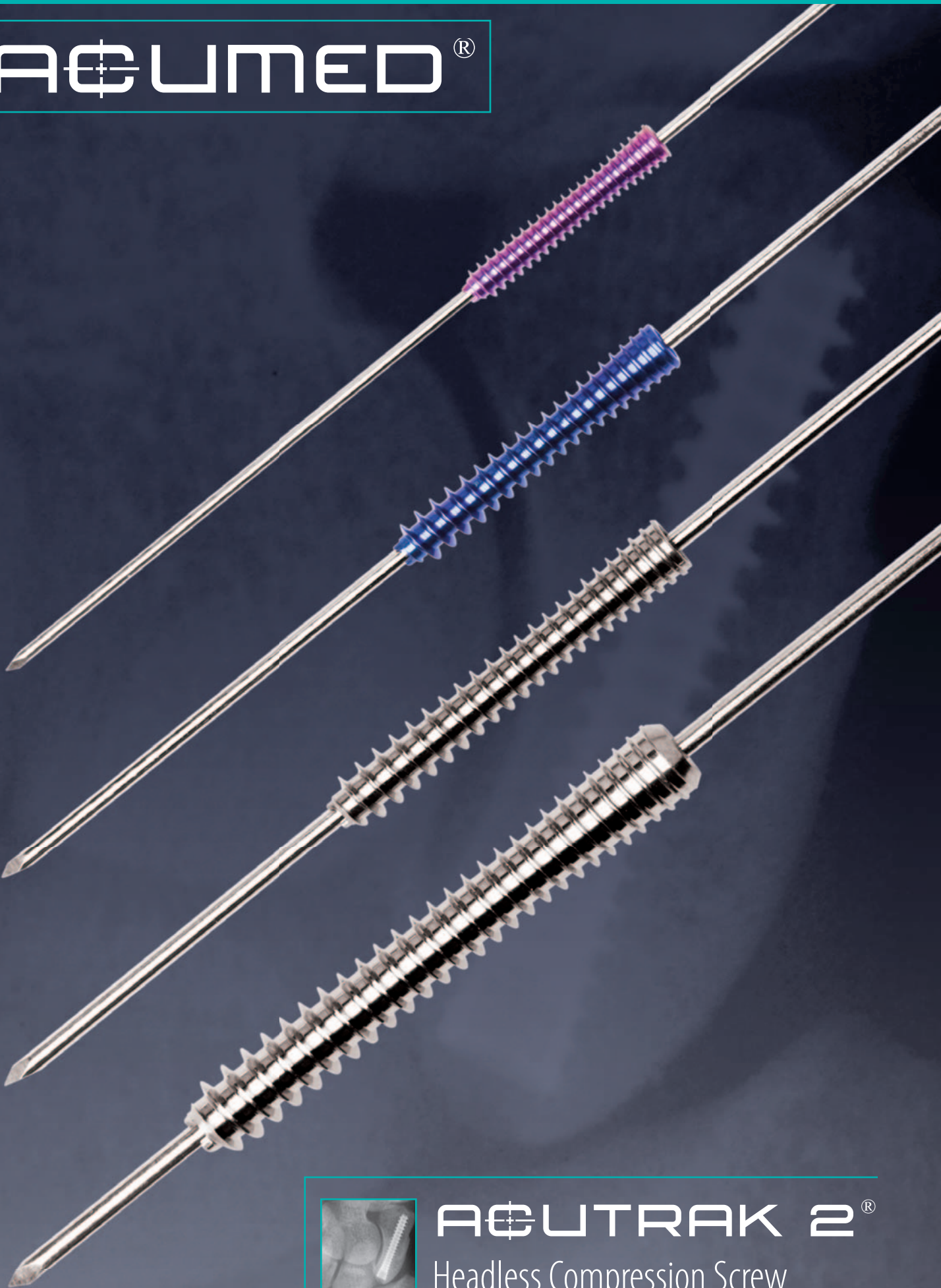


A&UMED[®]

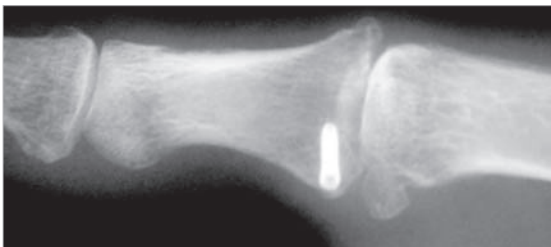
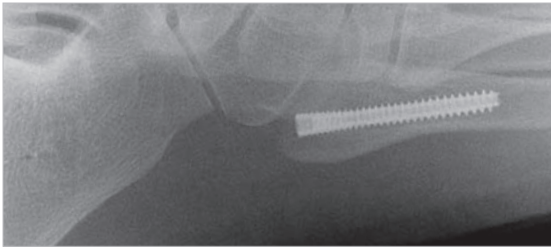


A&UTRAK 2[®]

Headless Compression Screw

Acutrak 2[®] Headless Compression Screw

Since 1988, Acumed has been designing solutions to the demanding situations facing orthopaedic surgeons, hospitals and their patients. Our strategy has been to know the indication, design a solution to fit, and deliver quality products and instrumentation.



Since its introduction in 1994, the Acutrak Headless Compression Screw has revolutionized the way surgeons gain fixation. By incorporating the best features of the Acutrak screw with a number of system improvements, the Acutrak 2 Headless Compression Screw, has become the standard of care for multiple indications.

The Acutrak 2 Headless Compression Screw is the next generation in fixation for fractures, fusions and osteotomies of the extremities. Long term surgeon feedback has helped us develop a superior implant with an innovative instrumentation set that both eases the surgical technique and increases instrumentation reliability.

When designing the Acutrak 2 System, our goal was to provide more fixation options. We started with adding longer Acutrak 2 Standard and Acutrak 2 Mini screws. Then we extended the line for smaller indications with our cannulated Acutrak 2 Micro screw system. The most recent addition to the Acutrak 2 family is a screw sized for larger indications, the Acutrak 2 - 5.5.

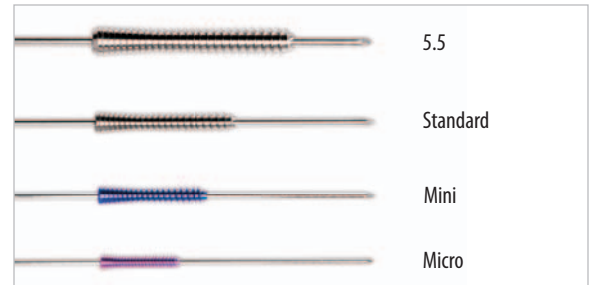
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Acutrak 2® Features

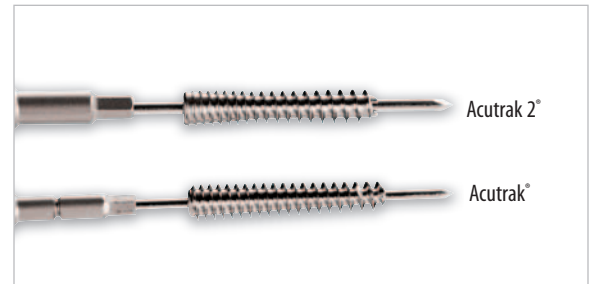
Large Guide Wires

Acumed's goal is to provide the surgeon with quality, reliable instrumentation that compliments our innovative implant systems. The Acutrak 2 screw families feature stout guide wires that make provisional stabilization of the fixation site and accurate screw placement a successful step with each surgery.



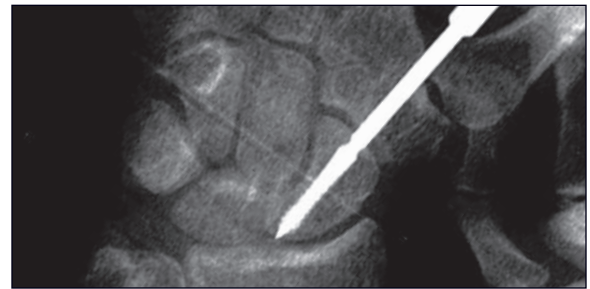
Large Hex Drivers

The Acutrak 2 screws accept a larger size hex driver than the traditional Acutrak screws. The instrumentation is surgeon friendly, with an improved driver handle that maximizes comfort and compatibility.



Self-Drilling Screw Tip

After placing the guide wire and opening the near cortex with a profile drill, the self-drilling Acutrak 2 cuts its way into the bone when advanced with the hex driver. This feature eliminates any concerns with over-drilling.



Fully-Threaded Length: Biomechanical studies have shown that fully-threaded screws better handle the cyclic loading that may occur during healing. In addition, this feature allows a fracture or osteotomy site to lie almost anywhere along the length of the screw.

Variable Thread Pitch: The wider thread pitch at the tip of the screw penetrates the bone faster than the finer trailing threads, compressing the two fragments gradually as the screw is advanced.

Cannulated: Facilitates accurate percutaneous insertion with minimal soft tissue dissection.

Headless: Allows the titanium screws to be implanted in and around articular regions with minimal risk of impingement or soft tissue irritation.

Self-Drilling: The cutting flutes on the distal tip of the screw allow the Acutrak 2 to be inserted with an advanced, straightforward surgical technique.

Acutrak 2[®] Micro

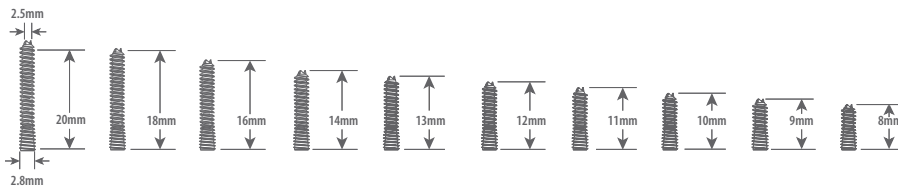


Ideal For:

- Fixation of Phalangeal fractures
- Carpal fractures
- Metacarpal head fractures
- Proximal pole scaphoid fractures
- Radial head fractures

Properties:

- Use where you would use a 2.0–2.4mm headed screw
- 1.5mm hex driver
- .035" (.88mm) guide wire

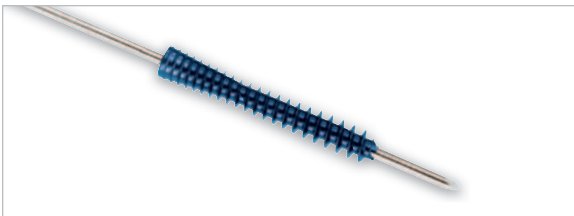


Guide Wire: .035" (.88mm)

Hex Size: 1.5mm

Material: Titanium Alloy

Acutrak 2[®] Mini

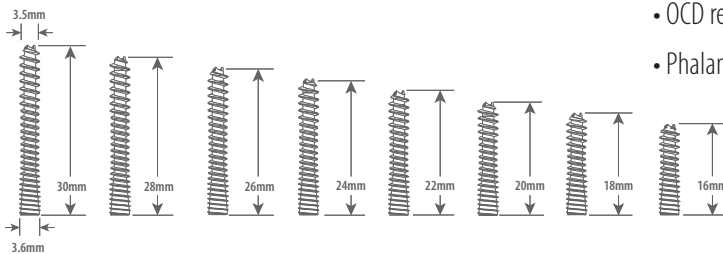


Ideal For:

- Scaphoid Fractures and non-unions
- Radial Styloid Fractures
- Radial head fractures
- Avulsion fractures
- Carpal Fusions
- OCD repair
- Phalangeal fractures

Properties:

- Use where you would use a 3.5–4.0mm headed screw
- 2.0mm hex driver
- .045" (1.1mm) guide wire



Guide Wire: .045" (1.1mm)

Hex Size: 2.0mm

Material: Titanium Alloy

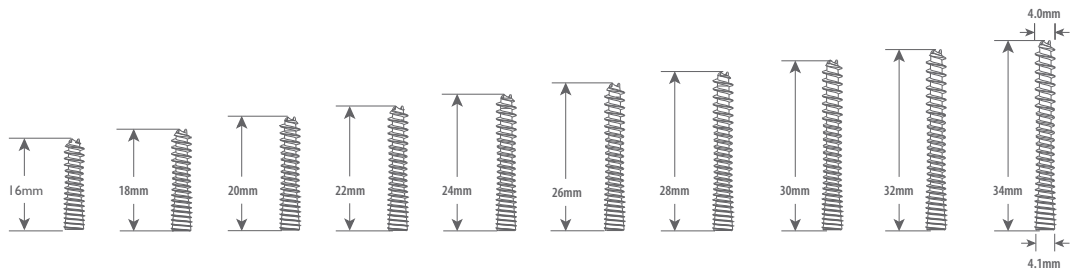
Acutrak 2[®] Standard

Ideal For:

- Scaphoid Fractures and non-unions
- Capitellum Fractures
- Bunionectomies
- 5th Metatarsal fractures
- Carpal Fusions
- MCP Fusions

Properties:

- Use where you would use a 3.5-4.0mm headed screw
- 2.5mm hex driver
- .054" (1.4mm) guide wire



Guide Wire: .054" (1.4mm)

Hex Size: 2.5mm

Material: Titanium Alloy

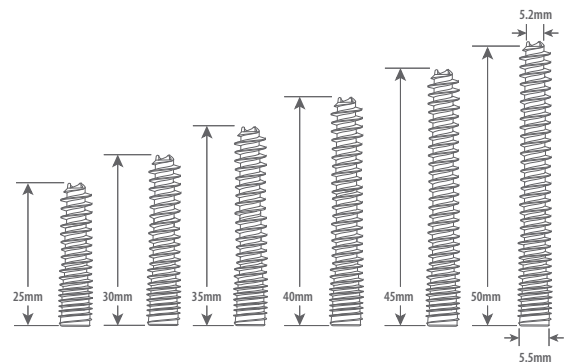
Acutrak 2[®] - 5.5

Ideal For:

- Jones Fractures
- Talus Fractures
- Malleolar Fractures
- Midfoot Fusions
- MTP fusions
- Greater Tuberosity Fractures
- Calcaneal Osteotomy
- Talonavicular Fusion

Properties:

- Use where you would use a 4.5-6.5mm headed screw
- 3.0mm hex driver
- .062" (1.6mm) guide wire

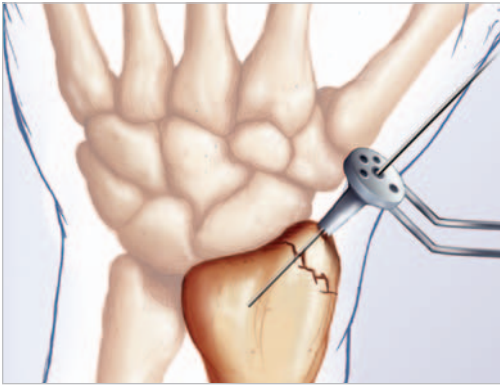


Guide Wire: .062" (1.6mm)

Hex Size: 3.0mm

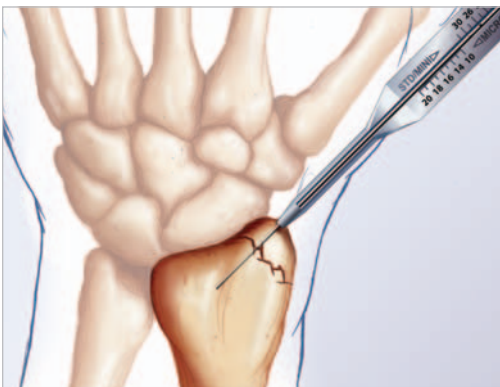
Material: Titanium Alloy

Surgical Technique Acutrak 2[®] STD/Mini



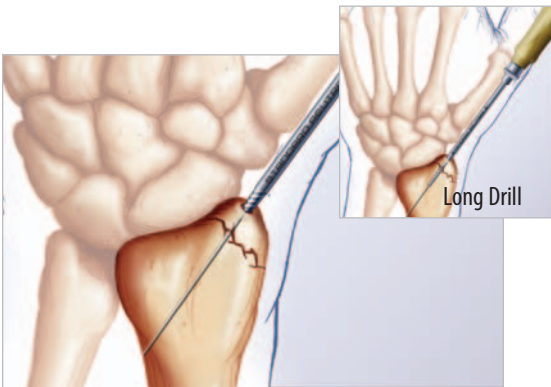
Step 1:

Secure the fracture site. Insert guide wire at the screw placement location at least 4-5mm past the fracture site. Confirm wire placement and depth under imaging. Parallel wire guides are available for all three Acutrak 2 screw families and may be used to assist with wire placement and reduction.



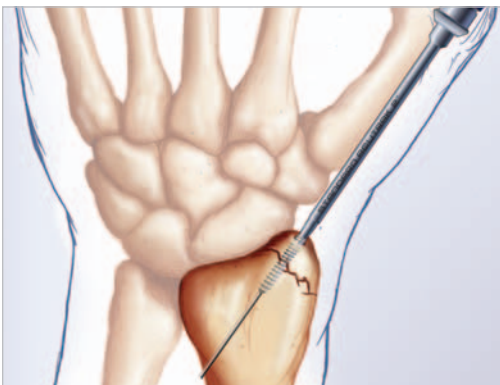
Step 2:

Measure guide wire depth with the percutaneous screw sizer. The same screw sizer is used with all three Acutrak 2 screw families. This measurement will determine the correct length of screw to be used. If guide wire is within 2mm of the far cortex, select a screw that is 2mm shorter than the guide wire depth. Advance the guide wire through the far cortex.



Step 3:

Open the near cortex with the appropriate profile drill. An optional long, straight drill is available with the Acutrak 2 Standard and Mini screws for use in dense bone. When using the long drill, advance the guide wire and drill into the far fragment with the long drill.



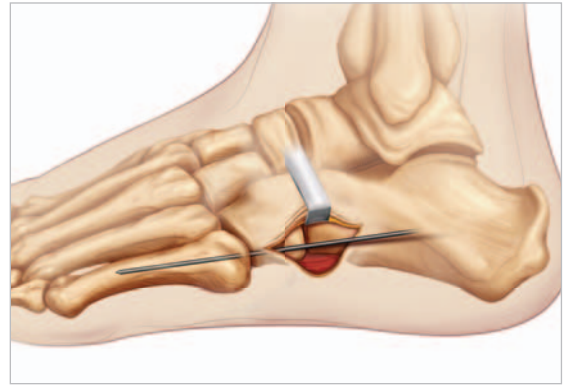
Step 4:

Insert a screw that is the same size as determined in Step 2 with the appropriate hex driver. If resistance is met upon insertion or distraction occurs, STOP, remove the screw, drill with the long drill and reinsert screw. Dense bone may require using the long drill and possibly downsizing screw length.

Surgical Technique Acutrak 2[®] - 5.5

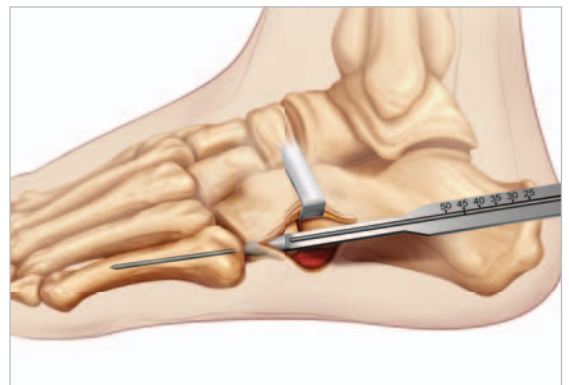
Step 1:

Insert a 0.062" guide wire at desired screw placement location and advance through the near cortex and into the medullary canal. Check for proper guide wire placement and continue advancing guide wire to desired depth.



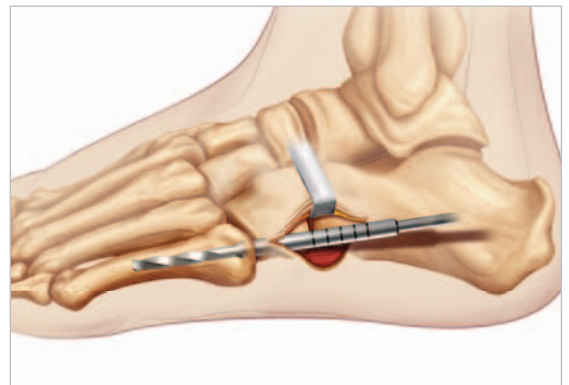
Step 2:

Measure wire depth to indicate screw length. Advance the guide wire past desired drill depth prior to drilling.



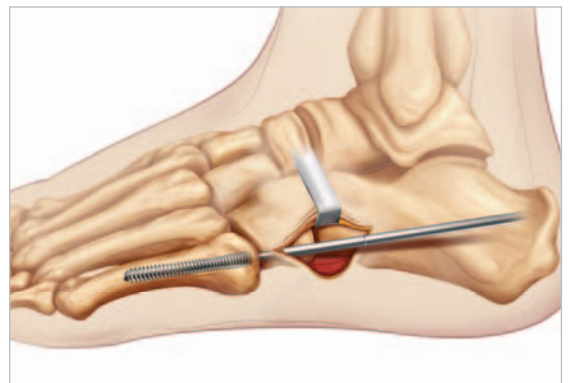
Step 3:

Open the near cortex with the profile drill. An optional long, straight drill is available with the Acutrak 2 - 5.5 for use in dense bone.

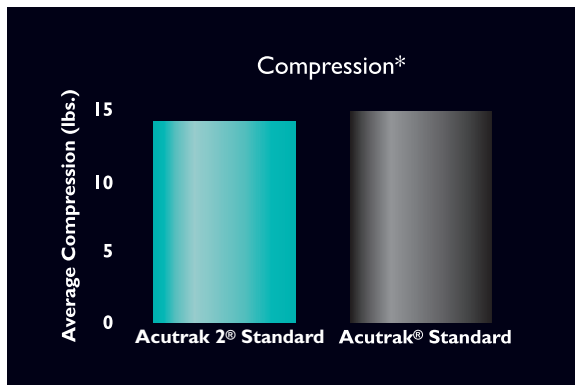


Step 4:

Install screw with the 3.0mm hex driver provided in the set.

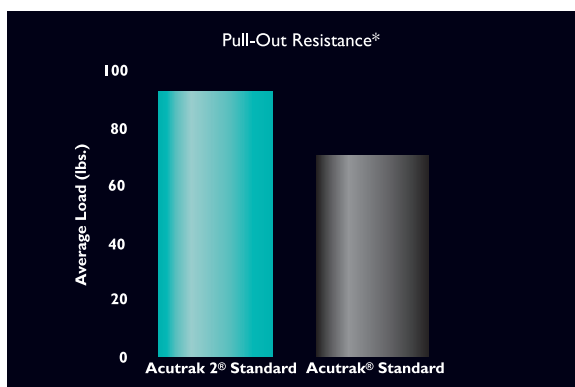


Biomechanical Data



The biomechanical properties of the Acutrak® Headless Compression Screw System have contributed to the systems overall success. The Acutrak 2® offers a next generation headless compression screw.

In addition to improved instrumentation and a straightforward surgical technique, laboratory results demonstrate that the Acutrak 2 Headless Compression Screw System offers surgeons biomechanical advantages. The Acutrak 2 is a true example of innovation and function combined into one versatile system for both the upper and lower extremities.



The Acutrak 2 Headless Compression Screw exceeds the biomechanical properties of the traditional Acutrak Screw in pull-out strength. The Acutrak 2 Standard offers more pull-out strength than the Standard Acutrak while continuing to maintain excellent compression.

* Data on File at Acumed.

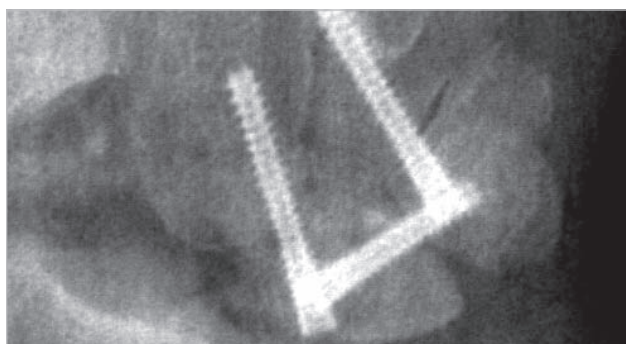
Other Systems To Use The Acutrak 2® With



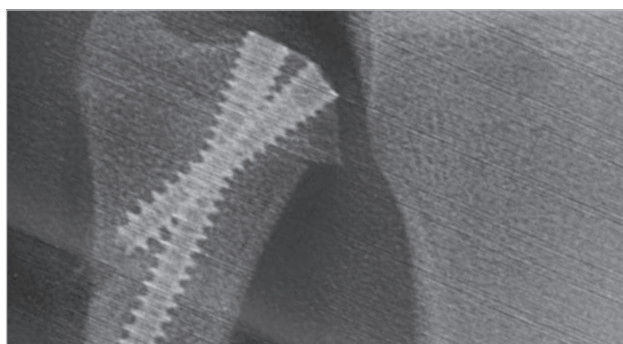
Scaphoid and Acu-Loc Distal Radius Plate

- Anatomic radial Head
- Aculoc Distal Radius plates
- Polarus Proximal Humerous Plate
- Mayo Elbow plates
- Calcaneal Plate system
- Foot and Ankle plates
- Fibula Rod System

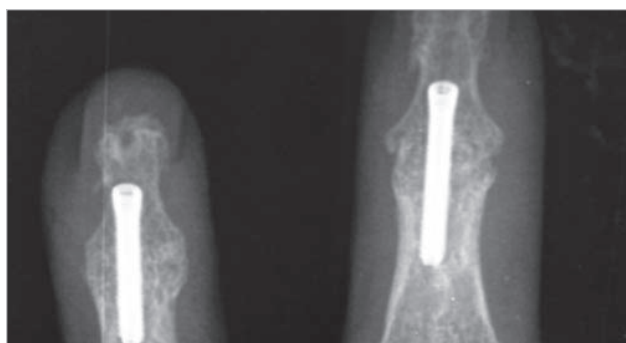
Indications Acutrak 2[®] Micro, Mini & STD



4 Corner Fusion



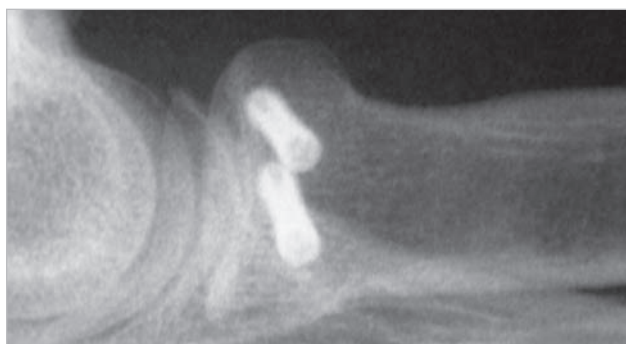
Ulnar Shortening



DIP Fusion



Phalangeal Fracture



Radial Head Fracture



Radial Styloid & Provisional Fracture for
Scaphoid Lunate Instability



Proximal Pole Scaphoid Fracture



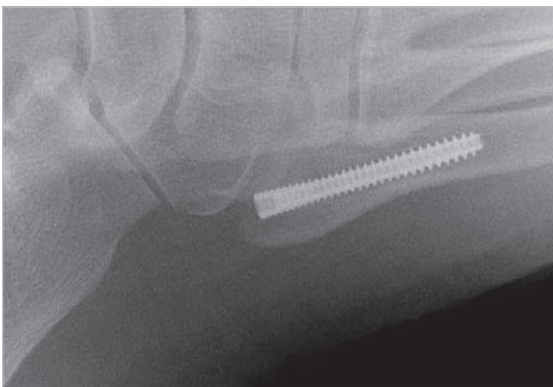
Scaphoid Fracture with Callos[®] Bone Cement

Indications Acutrak 2[®] - 5.5



Bi-Lateral Malleolar Fracture

The fully threaded, headless features of the Acutrak 2 - 5.5 Screws are ideal for malleolar fractures. This X-ray (left) shows a combination of the 5.5 screws with Acumed's Fibula Rod.



5th Metatarsal (Jones) Fracture

The cannulated, headless features of the Acutrak 2 - 5.5 screws are ideal for 5th Metatarsal (Jones) Fractures. Based on clinical evidence, Acutraks have become the "gold" standard for many surgeons.

Instrumentation Acutrak 2[®] - 5.5



Versatile Tray Design

The Acutrak 2 - 5.5 screw system is housed in a separate satellite tray or can be used in the AT2 family tray with the Standard, Mini and Micro sizes. Simply remove the Acutrak 2 - 5.5 module located at the top of the satellite set and remove one of the other modules in the Acutrak Family Tray and place the 5.5 module in. Other instruments including the ratcheting handle, screw sizer, cannula and probe can also be placed within the AT2 family tray.



Ratcheting handle

The Acutrak 2 - 5.5 set contains a ratcheting handle to assist with screw insertion. The ergonomic handle and precision ratcheting mechanism reduce user fatigue during screw insertion.

Acutrak 2® Instrumentation

Modular Tray Design

The Acutrak 2 Screw System features a modular tray design, allowing screw sizes and instrumentation to be housed in one convenient tray. The screws and instruments are grouped by screw family and are color coded for quick identification during surgery. The shared instrumentation for the system is located on the top level of the tray.



Advanced Instrumentation

The Acutrak 2 Screw System contains specialized instrumentation to accommodate the versatility of the screw and aid the surgeon during each procedure. All drills and drivers are quick release, featuring a driver handle that is designed for surgeon comfort. The Plunger holds the guide wire in place as the drill is removed. Arthroscopic Instrumentation is included for all screw families, along with a Percutaneous Bone Clamp for the .035" guide wire in the Acutrak 2 Micro System.



Ordering Information

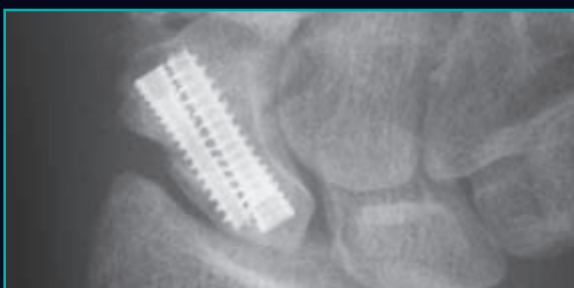
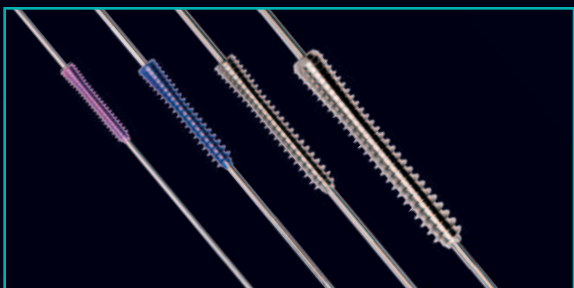
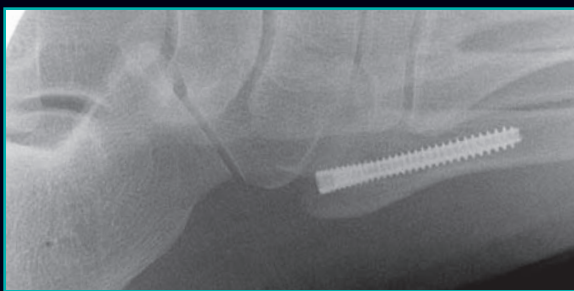
Acutrak 2® Standard	
Wire Guide	AT2-5400
Guide Wire	WS-1407ST (.054")
Profile Drill	AT2-2515
Long Drill	AT2-L2515
Hex Driver	HT-1725 (2.5mm)
Screws	AT2-SXX-S

Acutrak 2® Mini	
Wire Guide	AT2-4500
Guide Wire	WS-1106ST (.045")
Profile Drill	AT2-1813
Long Drill	AT2-L1813
Hex Driver	HT-1120 (2.0mm)
Screws	AT2-MXX-S

Acutrak 2® Micro	
Wire Guide	AT2-3500
Guide Wire	WS-0906ST (.035")
Profile Drill	AT2-1509
Long Drill	80-0100
Hex Driver	HT-0915 (1.5mm)
Screws	AT2-CXX-S

Acutrak 2® - 5.5 Screws	
25mm Screw, Sterile	30-0021-S
30mm Screw, Sterile	30-0023-S
35mm Screw, Sterile	30-0025-S
40mm Screw, Sterile	30-0027-S
45mm Screw, Sterile	30-0029-S
50mm Screw, Sterile	30-0031-S

Acutrak 2® - 5.5 Instruments	
Acutrak 2 - 5.5 Profile Drill	80-0055
Acutrak 2 - 5.5 Long Drill	80-0056
K-wire .062" x 8"	80-0413
Tray Assembly (no screws, no instruments)	80-0389
3.0mm Cannulated Driver	HT-3010
3.0mm Solid Driver	HT-3012
Cannula / Tissue Protector	MS-2000
Probe	AP-0402
Plunger (for K-wire)	AT-7060
Percutaneous Screw Sizer	AP-0204
Forceps	AT-7005



ACUMED®

5885 NW Cornelius Pass Road

Hillsboro, OR 97124

(888) 627-9957

www.acumed.net

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The devices shown are covered by one or more of the following patents: 6,030,162; GB2345108; GB2355505; 5,562,672; 5,871,486; 94908616.9. Other US and International patents pending.

Current information for Use, Indications, Contraindications, Warnings, Precautions, Adverse Effects, Sterility, and Storage Instructions are available at www.acumed.net.

SPF00-02-B

Effective: 6/2009