



Acutrak 2® Headless Compression Screw System

7.5 mm Screw

Supplemental Use Guide—Calcaneal Osteotomy



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



Acumed® Acutrak 2® Headless Compression Screw System—7.5 mm

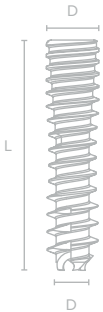
This guide is intended for supplemental use only and is not intended to be used as a stand-alone surgical technique. Reference the Acumed Acutrak 2 Headless Compression Screw System Surgical Technique (SPF00-02) for more information.

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

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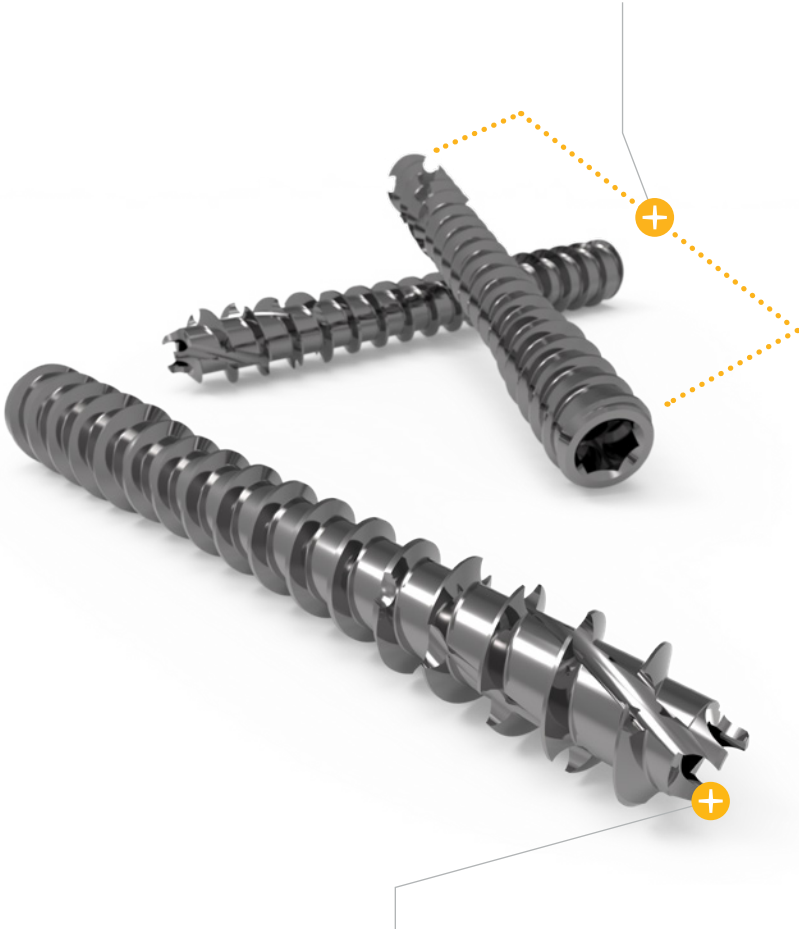
System Features



Acutrak 2 Screws	Diameter	Length
7.5 mm	Tip: 7.0 mm Tail: 7.5 mm	5 mm increments 40–120 mm

System Features

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



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

Calcaneal Osteotomy Surgical Technique: Acutrak 2®—7.5

Figure 1



1 Patient Positioning

Position the patient at the end of the bed, semi-lateral. Check that the leg can be placed easily onto the mini C-arm prior to preparation of the operative limb.

Calcaneal Osteotomy Surgical Technique: Acutrak 2®—7.5

Figure 2



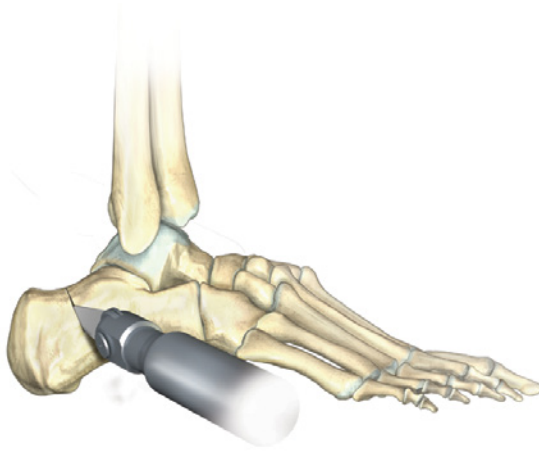
2 Approach and Exposure

An incision is made posterior to the peroneal tendons, perpendicular to the body of the calcaneus. Cephalad and caudal mini Hohmann retractors are placed to protect the neurovascular structures and plantar fascia.

Caution: Take care to preserve the peroneal tendons and the sural nerve.

Calcaneal Osteotomy Surgical Technique: Acutrak 2®—7.5

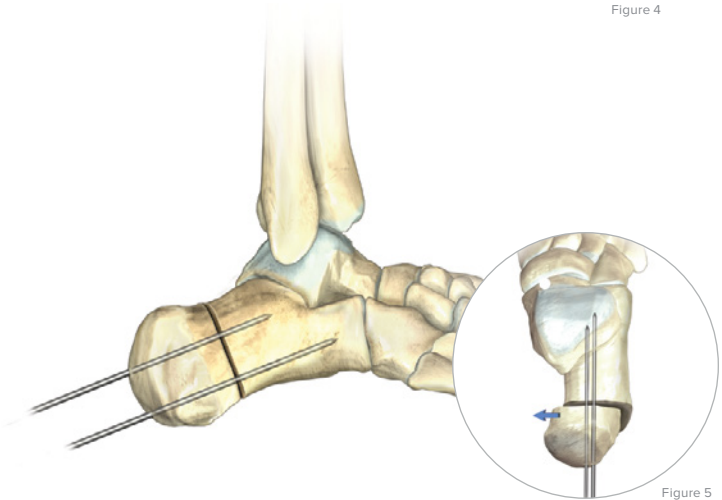
Figure 3



3 Create Osteotomy

An oscillating saw is used to make the osteotomy cut perpendicular to the body of the calcaneus. The saw is not used to complete the cut through the medial cortex. This is completed with an osteotomy in order to avoid damaging medial neurovascular structures.

Calcaneal Osteotomy Surgical Technique: Acutrak 2®—7.5



4 Guide Wire Placement

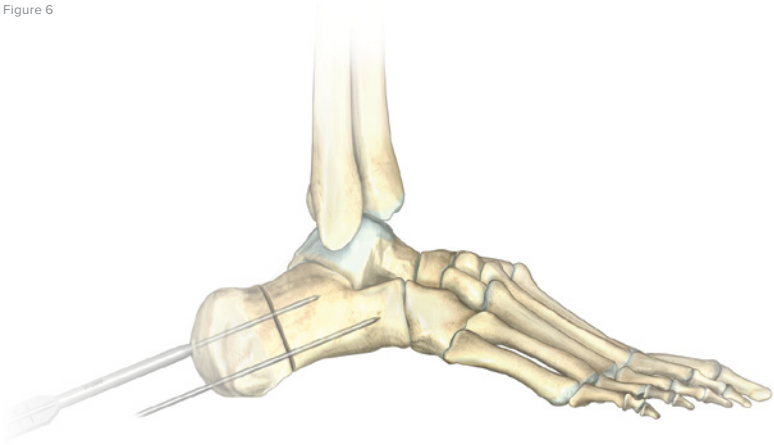
The body of the calcaneus is displaced medially or laterally and held in place with two guide pins.

The distal portion of the pins are placed at the volar aspect of the angle of Gissane in order to capture solid bone distally and assist with compression of the osteotomy by the screws. Confirm guide pin placement under fluoroscopy.

Note: The soft tissue protector and arthroscopic probe can be used to assist in guide wire placement.

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Figure 6



5 Measure Depth

Depth is measured from the exposed portion of the guide wire with the cannulated depth gauge.

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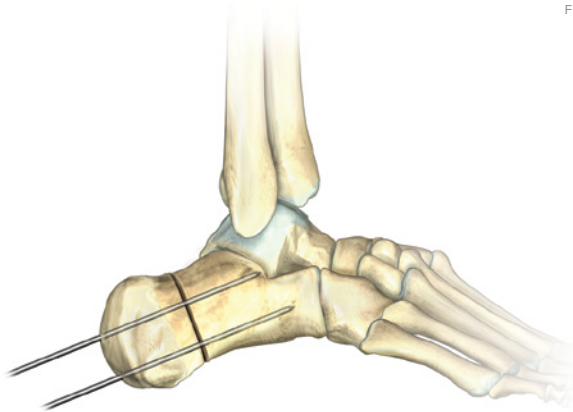


Figure 7

6 Select Screw Size

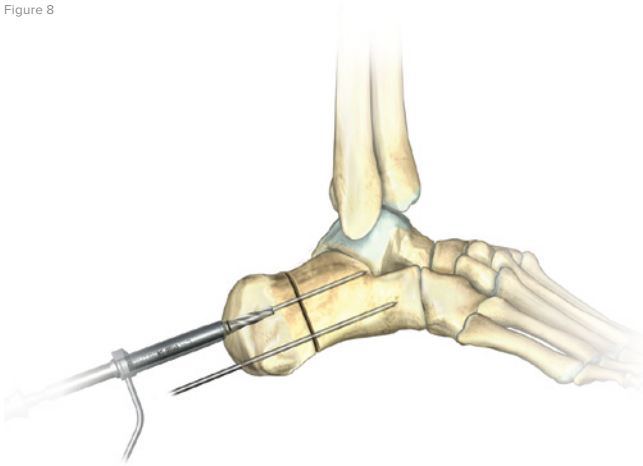
Select a screw the same size as measured. However, to account for countersinking and compression it is common to select a screw one size shorter than the measured depth.

Advance the guide wire approximately 5 mm to maintain distal pin fixation before drilling.

Warning: Make sure not to compromise joint surfaces when advancing the guide wire.

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Figure 8



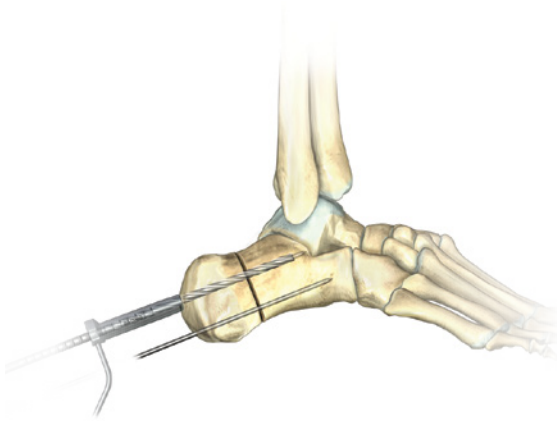
7 Drill the Near Cortex

Place the soft tissue guide over the guide wire and open the near cortex using the appropriate cannulated profile drill.

Note: Drills 80-0945, 80-0946, and 80-0976 should be advanced slowly with continuous irrigation to decrease the potential of heat build-up. Clean the drill periodically during each procedure to optimize performance.

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Figure 9



8 Drill

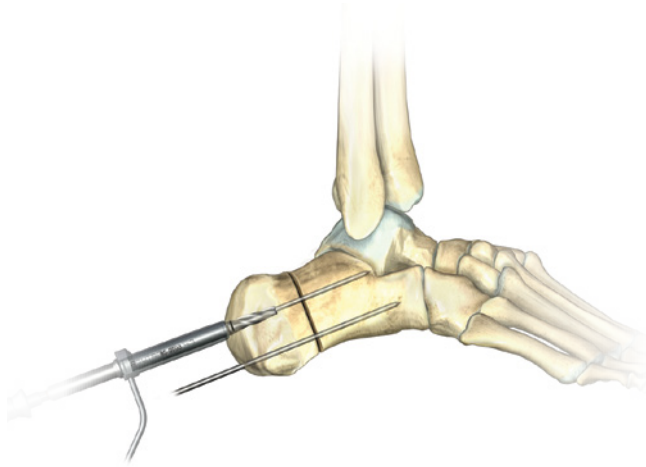
Leaving the soft tissue guide in place, drill into the far fragment with the appropriate cannulated, long profile drill. Reference the markings on the drill to confirm desired depth.

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

Note: The Acutrak 2—7.5 Long Drill does not show depth markings relative to the bone surface.

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Figure 10



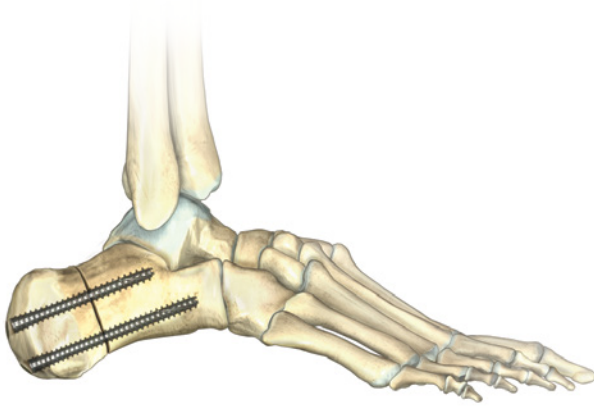
9 Screw Insertion

Place the soft tissue guide over the guide wire and open the near cortex using the appropriate cannulated profile drill.

Note: Drills 80-0945, 80-0946, and 80-0976 should be advanced slowly with continuous irrigation to decrease the potential of heat build-up. Clean the drill periodically during each procedure to optimize performance.

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Figure 11



10 Additional Screw Placement

Repeat steps 5–9 for each additional screw placement.

Note: Bone density has a great effect on the performance of drills. Peck drilling with long drills is advised.

Drills 80-0945, 80-0946, and 80-0976 should be advanced slowly with continuous irrigation to decrease the potential of heat build-up. Clean drill periodically during each procedure to optimize performance.

Ordering Information

Acutrak 2®—7.5

Implants

40 mm Acutrak 2—7.5 Screw	30-0740
45 mm Acutrak 2—7.5 Screw	30-0745
50 mm Acutrak 2—7.5 Screw	30-0750
55 mm Acutrak 2—7.5 Screw	30-0755
60 mm Acutrak 2—7.5 Screw	30-0760
65 mm Acutrak 2—7.5 Screw	30-0765
70 mm Acutrak 2—7.5 Screw	30-0770
75 mm Acutrak 2—7.5 Screw	30-0775
80 mm Acutrak 2—7.5 Screw	30-0780
85 mm Acutrak 2—7.5 Screw	30-0785
90 mm Acutrak 2—7.5 Screw	30-0790
95 mm Acutrak 2—7.5 Screw	30-0795
100 mm Acutrak 2—7.5 Screw	30-0800
105 mm Acutrak 2—7.5 Screw	30-0805
110 mm Acutrak 2—7.5 Screw	30-0810
115 mm Acutrak 2—7.5 Screw	30-0815
120 mm Acutrak 2—7.5 Screw	30-0820

Ordering Information

Acutrak 2®—7.5

Instrumentation

2.4 mm Guide Wire Probe	80-0994
2.4 mm (.094") x 9.25" Guide Wire	80-0970
2.4 mm (.094") x 9.25" Guide Wire, Threaded	80-0971
Acutrak 2—7.5 Profile Drill	80-0975
Acutrak 2—7.5 Long Drill	80-0976
4.0 mm Cannulated QR Hex Driver Tip AT2	80-0978
4.0 mm Solid QR Hex Driver Tip AT2	80-0979

Ordering Information

Additional Instrumentation

7.5 Instrumentation

Large Acutrak 2 Drills and Driver Platter	80-0870
Large Acutrak 2 Common Instrument Platter	80-0871
Small Ratchet Handle with QR Connection	80-0398
Forceps	AT-7005
Ratchet T-Handle with A/O Connection	80-0999
Sharp Hook	PL-CL06
3.0 mm Easyout, Quick Release	80-0601
4.0 mm Easyout, Quick Release	80-0603
Large Acutrak 2 7.5 Screw Platter	80-0877
Large Acutrak 2 7.5 Screw Caddy	80-0882
Large Acutrak 2 Screw 2 x 2 Base	80-0884
Large Acutrak 2 Screw Lid	80-0885

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

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Acumed Headquarters
5885 NE Cornelius Pass Road
Hillsboro, OR 97124
Office: +1.888.627.9957
Office: +1.503.627.9957
Fax: +1.503.520.9618
www.acumed.net

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