

Item Catalogue

NUPCO CODE: 4229660311200 | SN: 356

NUPCO ITEM DESCRIPTION

SET, COMPLETE INSTRUMENTATION TITANIUM SCREW CANNULATED FULL THREADED 2MM TO 3 MM, WITH NECESSARY CASE AND RELATED DRILL BITS AND TAPS

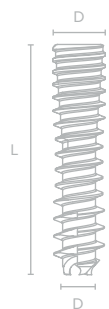
VENDOR PRODUCT DESCRIPTION

Acumed Acutrak 3 Nano/Micro instrumentation set

SKU CODES INCLUDED FOR THIS NUPCO CODE

- 47-0022-S
- 47-0023-S
- 80-4157
- 80-4153
- 80-4149
- 35-0025
- 35-0026
- 80-4136
- 80-4134
- 80-4158
- 80-4154
- 80-4150
- 35-0027
- 35-0028
- 80-4139
- 80-4137
- 80-4122
- 80-4126
- 80-4164
- 80-0598
- 80-0599

System Features [continued]



Screw	2.0 Nano	2.5 Micro	3.5 Mini	4.0 Standard
Diameter	Tip: 2.0 mm Tail: 2.4 mm	Tip: 2.5 mm Tail: 3.0 mm	Tip: 3.5 mm Tail: 3.6 mm	Tip: 4.0 mm Tail: 4.1 mm
Length	1 mm increments 8–14 mm 2 mm increments 14–40 mm	1 mm increments 8–14 mm 2 mm increments 14–50 mm	2 mm increments 12–60 mm	2 mm increments 16–60 mm
Guide Wire	Ø0.7 x 150 mm Guide Wire, Single Trocar (35-0025) Ø0.7 x 150 mm Guide Wire, Double Trocar (35-0026)	Ø0.9 x 150 mm Guide Wire, Single Trocar (35-0027) Ø0.9 x 150 mm Guide Wire, Double Trocar (35-0028)	Ø1.1 x 150 mm Guide Wire, Single Trocar (35-0029) Ø1.1 x 150 mm Guide Wire, Double Trocar (35-0030)	Ø1.1 x 150 mm Guide Wire, Single Trocar (35-0029) Ø1.1 x 150 mm Guide Wire, Double Trocar (35-0030)
Profile Drill	Acutrak 3 Nano Profile Drill (80-4134)	Acutrak 3 Micro Profile Drill (80-4137)	Acutrak 3 Mini Profile Drill (80-4140)	Acutrak 3 Standard Profile Drill (80-4145)
Drill	Acutrak 3 Nano Drill (80-4136) Diameter: .064", 1.625 mm	Acutrak 3 Micro Drill (80-4139) Diameter: .070", 1.78 mm	Acutrak 3 Mini Drill (80-4142) Diameter: .099", 2.52 mm	Acutrak 3 Standard Drill (80-4147) Diameter: .119", 3.02 mm
Dense Bone Drill	N/A	N/A	Acutrak 3 Mini Dense Bone Drill (80-4143)	Acutrak 3 Standard Dense Bone Drill (80-4148)
Drill Guide	Acutrak 3 Nano/Micro Wire/Drill Guide (80-4122)	Acutrak 3 Nano/Micro Wire/Drill Guide (80-4122)	Acutrak 3 Mini/Standard Wire/Drill Guide (80-4118)	Acutrak 3 Mini/Standard Wire/Drill Guide (80-4118)

Note: Optional Single-Use Instrument Kit

Acutrak 3 screws may be implanted using either Acumed reusable instruments or a sterile, single-use instrument kit (47-0022-S, 47-0023-S, 47-0024-S).

These single-use sterile kits are provided ready-to-use and include all instruments required for implantation. Use of these kits follows the same surgical steps outlined in this guide.



Dorsal Scaphoid Technique: Acutrak 3 Nano, Micro, Mini, and Standard

Figure 1

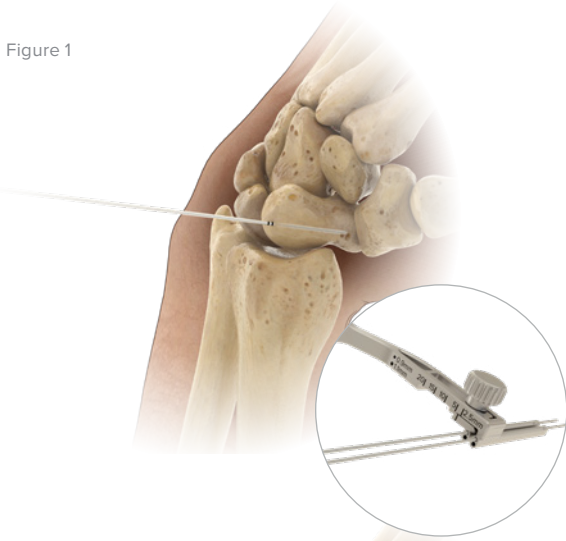


Figure 3

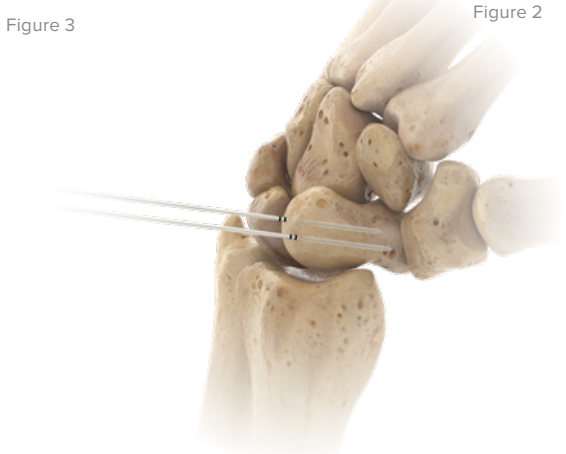


Figure 2

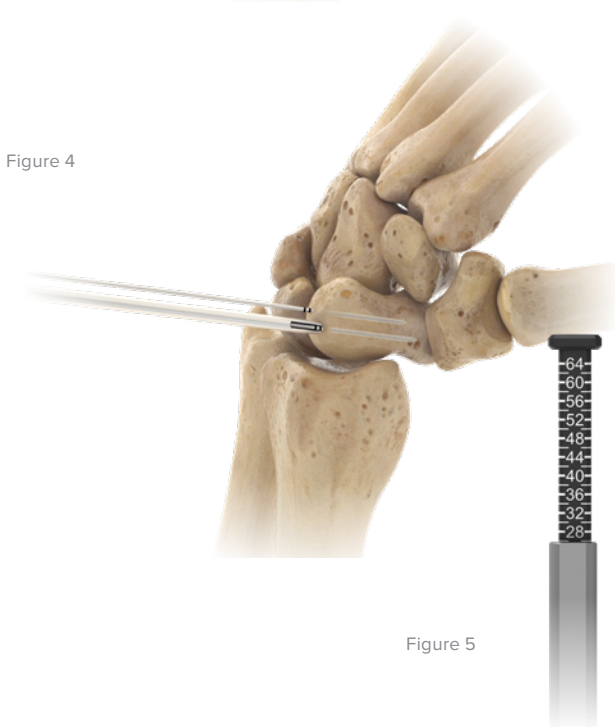


Figure 4

Figure 5

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 arthroscopic or mini open dorsal approach between the third and fourth extensor compartments. Introduce the appropriate guide wire (35-0025, 35-0027, 35-0029) at the entry point and aim for the base of the thumb so that the leading end of the guide wire is placed in the subchondral surface of the distal pole of the scaphoid. Confirm placement and depth under fluoroscopy.

Optional: Acutrak 3 Wire/Drill Guide (80-4122 or 80-4118) may be used to determine the entry point and may act as both a guide and soft tissue protector.

OR Tip: For unstable fractures, it may be helpful to place a second parallel guide wire using the Acutrak 3 Parallel Wire Guide (80-4126).

Note: For distal scaphoid fractures, a volar approach may be more appropriate.

Note: Guide wires marked with bands to aid in identifying diameter: 1 for Ø0.7 mm, 2 for Ø0.9 mm and 3 for Ø1.1 mm.

2 Determine Screw Length

Determine screw length using the Acutrak 3 Screw Sizer 4–64 mm (80-4164). Slide the sizer over the guide wire and down to the bone surface, reading the length off deployed piston or by placing a second wire at the entry point and subtracting the difference in length. It may be appropriate to subtract 2–4 mm from the measurement to ensure that the proximal end of the screw is fully buried below the cartilage and the cortical surface.

Dorsal Scaphoid Technique: Acutrak 3 Nano, Micro, Mini, and Standard [continued]

Figure 6

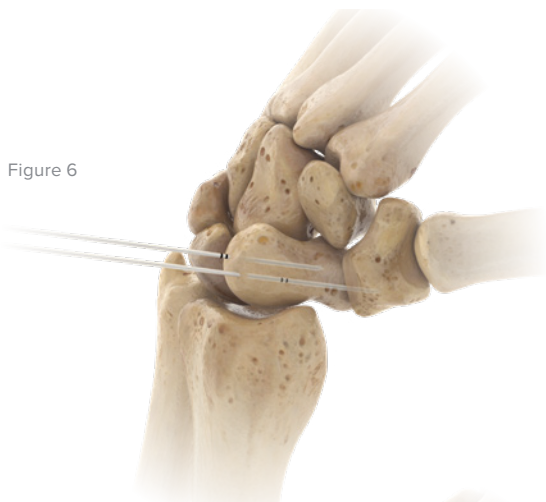


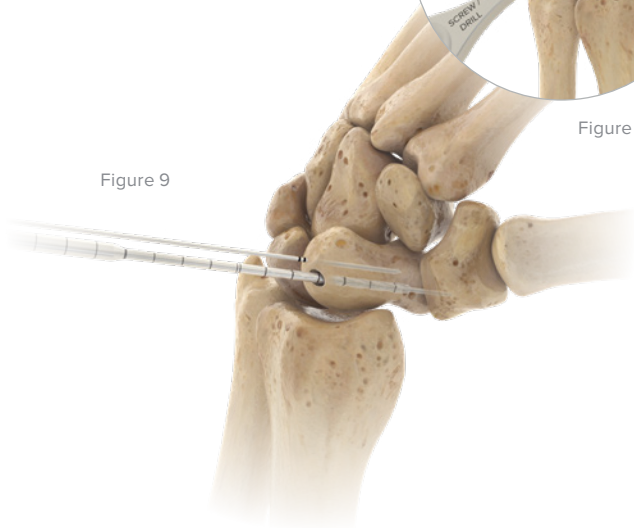
Figure 7



Figure 8



Figure 9



3 Advance Guide Wire

Advance the guide wire (35-0025, 35-0027, or 35-0029) 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.

4 Drill

Drill into the proximal cortex with the appropriate profile drill (80-4134, 80-4137, 80-4140, 81-4145) over the wire using either a power drill or by hand.

Next, drill into the distal fragment with the appropriate drill (80-4136, 80-4139, 80-4142, 80-4147) and ensure that the drill is past the fracture site. Dense Bone Drills (80-4143 or 80-4148) can be utilized if dense bone is encountered. Dense bone drills can be utilized only for Standard and Mini screw families.

Optional: Acutrak 3 Wire/Drill Guide (80-4122 or 80-4118) may be used to act as both a guide and soft tissue protector.

OR Tip: The Acutrak 3 profile drill is recommended to mitigate the effects of varying bone density.

Note: Dense Bone Drills identifiable by golden color.

Dorsal Scaphoid Technique: Acutrak 3 Nano, Micro, Mini, and Standard [continued]

Figure 10

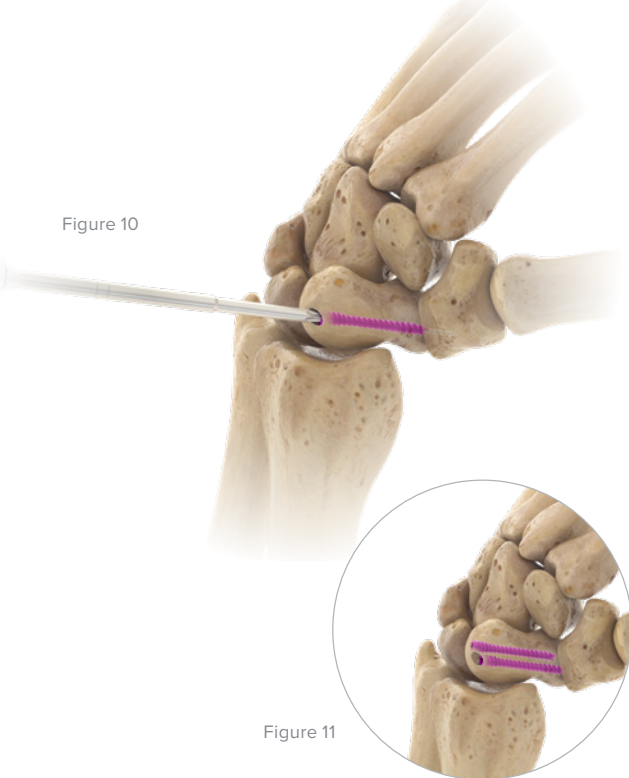


Figure 11

5 Screw Insertion

Insert the correctly sized Nano, Micro, Mini, or Standard Acutrak 3 Bone Screw (3050-200XX, 3051-250XX, 3052-350XX, or 3053-400XX) with the appropriate cannulated hexalobe driver (80-41XX). Confirm placement and length of the screw using fluoroscopy, ensuring that both leading and trailing ends of the screw are beneath the articular surfaces. Repeat steps 2 through 5 to implant the second screw. Finally, remove the guide wires.

OR Tip: If resistance or distraction occurs upon screw insertion: Stop, remove the screw, re-drill with the appropriate drill, and insert the appropriate screw length.

Note: Driver tips have two colored marking bands.

Figure 12

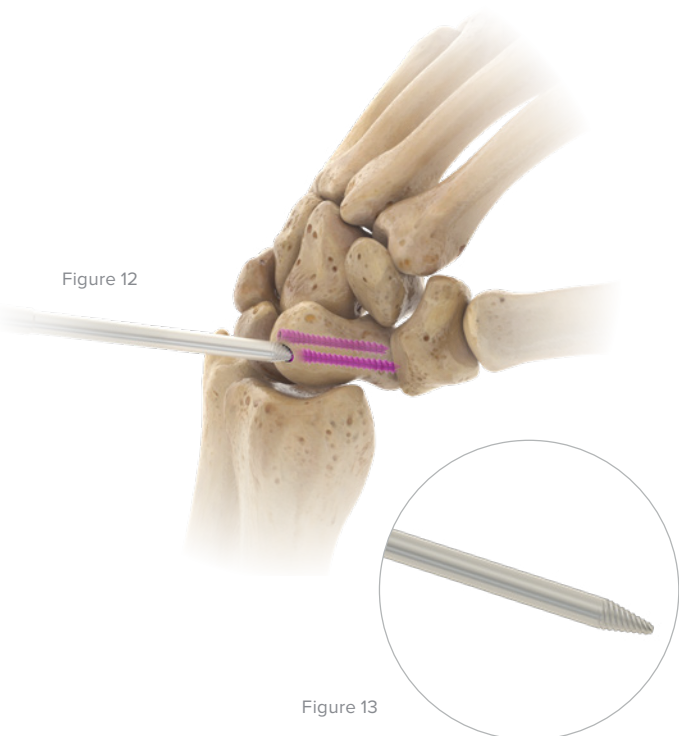


Figure 13

6 Screw Removal

In the event screw removal is necessary, identify the entry point angle as accurately as possible under fluoroscopy. Upon identification, make a small stab incision to clear any tissue and bone overlying the implant. Introduce the appropriate guide wire (35-0025, 35-0027, 35-0029) at the entry point and aim for the cannulated portion of the screw.

OR Tip: Easyout tools (80-0598, 80-0599, 80-0600) are available for removal in the event of a stripped hexalobe drive interface.

DIP Fusion Technique: Acutrak 3 Nano or Micro [continued]

Figure 8



Figure 9

5 Screw Insertion

Insert the correctly sized Nano or Micro Acutrak 3 Bone Screw (3050-200XX or 3051-250XX) with the T6 or T7 Cannulated Hexalobe Driver Tip (80-4149/80-4153 or 80-4150/80-4154). Confirm placement under fluoroscopy. Finally, remove the guide wire.

OR Tip: If resistance or distraction occurs upon screw insertion: Stop, remove the screw, redrill with the appropriate drill, and reinsert the screw.

Note: Driver tips have two colored marking bands.

Figure 10



Figure 11

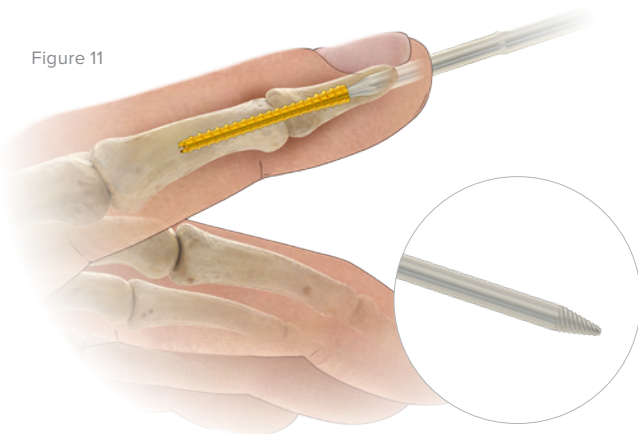


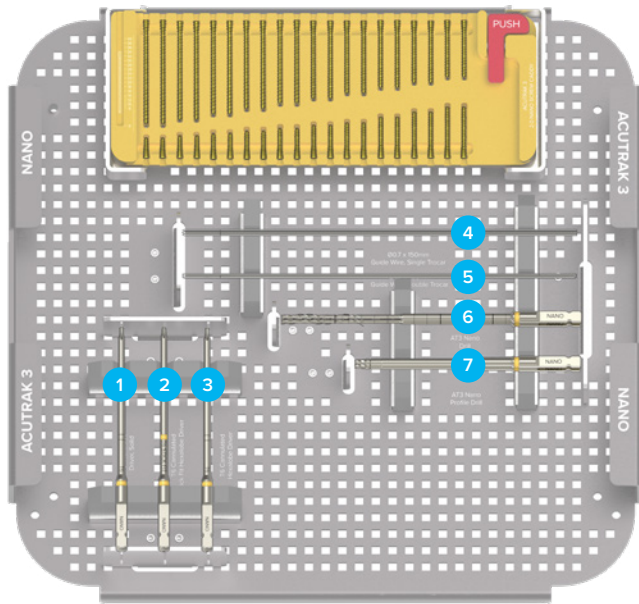
Figure 12

6 Screw Removal

In the event screw removal is necessary, identify the entry point angle as accurately as possible under fluoroscopy. Upon identification, make a small stab incision to clear any tissue and bone overlying the implant. Introduce the appropriate guide wire (35-0025, 35-0027, 35-0029) at the entry point and aim for the cannulated portion of the screw.

OR Tip: Easyout tools (80-0598, 80-0599) are available for removal in the event of a stripped hexalobe drive interface.

Ordering Information



Acutrak 3 Nano Tray Components

Nano Acutrak 3 Instrumentation*

1	T6 Hexalobe Driver, Solid	80-4157
2	T6 Cannulated Stick Fit Hexalobe Driver	80-4153
3	T6 Cannulated Hexalobe Driver	80-4149
4	Ø0.7 x 150 mm Guide Wire, Single Trocar	35-0025
5	Ø0.7 x 150 mm Guide Wire, Double Trocar	35-0026
6	Acutrak 3 Nano Drill	80-4136
7	Acutrak 3 Nano Profile Drill	80-4134

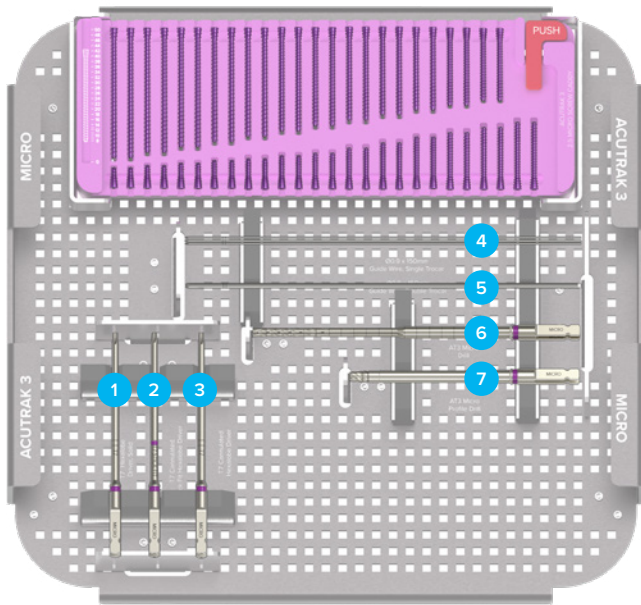
Acutrak 3 Nano Tray Components

Nano Acutrak 3 Implants*

8 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20008	22 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20022
9 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20009	24 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20024
10 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20010	26 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20026
11 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20011	28 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20028
12 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20012	30 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20030
13 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20013	32 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20032
14 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20014	34 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20034
16 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20016	36 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20036
18 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20018	38 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20038
20 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20020	40 mm, 2.0 Nano Acutrak 3 Bone Screw	3050-20040

*Implants and instruments are also available sterile-packed. Add an "-S" at end of product number for sterile product. For more details on sterile products, including pricing, contact our Business Services Department toll free at 888.627.9957.

Ordering Information [continued]



Acutrak 3 Micro Tray Components

Micro Acutrak 3 Instrumentation*

1	T7 Hexalobe Driver, Solid	80-4158
2	T7 Cannulated Stick Fit Hexalobe Driver	80-4154
3	T7 Cannulated Hexalobe Driver	80-4150
4	Ø0.9 x 150 mm Guide Wire, Single Trocar	35-0027
5	Ø0.9 x 150 mm Guide Wire, Double Trocar	35-0028
6	Acutrak 3 Micro Drill	80-4139
7	Acutrak 3 Micro Profile Drill	80-4137

Acutrak 3 Micro Tray Components

Micro Acutrak 3 Implants*

8 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25008	28 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25028
9 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25009	30 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25030
10 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25010	32 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25032
11 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25011	34 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25034
12 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25012	36 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25036
13 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25013	38 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25038
14 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25014	40 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25040
16 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25016	42 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25042
18 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25018	44 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25044
20 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25020	46 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25046
22 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25022	48 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25048
24 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25024	50 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25050
26 mm, 2.5 Micro Acutrak 3 Bone Screw	3051-25026		

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