

Item Catalogue

NUPCO CODE: 4229660305900 | SN: 742

NUPCO ITEM DESCRIPTION

SET, COMPLETE INSTRUMENTATION FOR TITANIUM 3.1 MM TO 4 MM HEADLESS CANNULATED SCREW, WITH NECESSARY CASE AND RELATED DRILL BITS AND TAPS

VENDOR PRODUCT DESCRIPTION

Acutrak 2 Mini/Standard instrumentation

SKU CODES INCLUDED FOR THIS NUPCO CODE

- AT2-4500
- WS-1106ST
- AT2M-1813
- AT2M-L1813
- HT-1120
- ACT70-03
- AT2-066
- 80-0599
- AT2-5400
- WS-1407ST
- AT2-2515
- AT2-L2515
- HT-1725
- ACT70-01
- AT2-055
- 80-0600

Instrument Overview [continued]

Mini Acutrak 2 Instruments



.045 Diameter, Parallel Wire Guide Assembly
(AT2-4500)



.045" x 6.0" Single Trocar Guide Wire
(WS-1106ST)



Mini Acutrak 2 Drill
(AT2M-1813)



Mini Acutrak 2 Drill, Long
(AT2M-L1813)



2.0 mm Cannulated Quick Release Driver Tip
(HT-1120)

Standard Acutrak 2 Extension Instruments



.054 Diameter, Parallel Wire Guide Assembly
(AT2-5400)



.054" x 7.0" Single Trocar Guide Wire
(WS-1407ST)



Acutrak 2 Drill
(AT2-2515)



Acutrak 2 Drill, Long
(AT2-L2515)



2.5 mm Cannulated Quick Release, Driver Tip
(HT-1725)

Acutrak 2 – 4.7 Instruments



Acutrak 2 – 4.7 Profile Drill
(80-0945)



Acutrak 2 – 4.7 Long Drill
(80-0946)

Volar Scaphoid Technique: Acutrak 2 Micro, Mini, and Standard

Nicholas Goddard, MB, FRCS



Figure 1

1 Approach and Needle Insertion

The procedure can be carried out using the volar traction approach or using a conventional volar type approach with the arm supine on a hand table. The volar traction approach facilitates reduction of a displaced fracture and permits arthroscopy to ensure accuracy of the reduction. Fluoroscopy is used throughout.

The entry point is then located using a 12 or 14 gauge IV needle introduced on the antero-radial aspect of the wrist just radial to and distal to the scaphoid tuberosity. This serves as a trocar for the selected guide wire (80-1524, 80-1525, WS-1106ST, or WS-1407ST) and is a directional aid to establish a central path along the scaphoid. The needle is then insinuated into the scaphotrapezial joint and tilted into a more vertical position, and the position is checked on the under-image intensifier. By gently levering on the trapezium this maneuver brings the distal pole of the scaphoid more radial and thus ultimately facilitates screw insertion. The entry point should be approximately 1/3 the way across the scaphoid from the tuberosity in the A/P plane and central in the lateral plane.



Figure 2

2 Guide Wire Insertion

Pass the guide wire (80-1524, 80-1525, WS-1106ST, or WS-1407ST) through the needle and drill it across the fracture, continually checking the direction on the image intensifier and correcting as necessary, aiming for the radial aspect of the proximal pole. Any adjustments in direction should be made using the needle as a guide rather than attempting to alter the line of the guide wire alone.

Caution: It is extremely important not to bend the guide wire.



.035" x 6" Single
Trocar Guide Wire
(80-1524)



.035" x 6" Double
Trocar Guide Wire
(80-1525)



.045" x 6.0" Single
Trocar Guide Wire
(WS-1106ST)



.054" x 7.0" Single
Trocar Guide Wire
(WS-1407ST)

Volar Scaphoid Technique: Acutrak 2 Micro, Mini, and Standard [continued]



Figure 5

5 Drill

Remove the 12 gauge needle and pass the selected profile drill (AT2-1509, **AT2M-1813**, or **AT2-2515**) over the wire using either a power drill or by hand stopping 1–2 mm short of the articular surface. The selected long drill (80-1522, **AT2M-L1813**, or **AT2-L2515**) is recommended to mitigate the effects of varying bone density and distraction upon screw insertion.

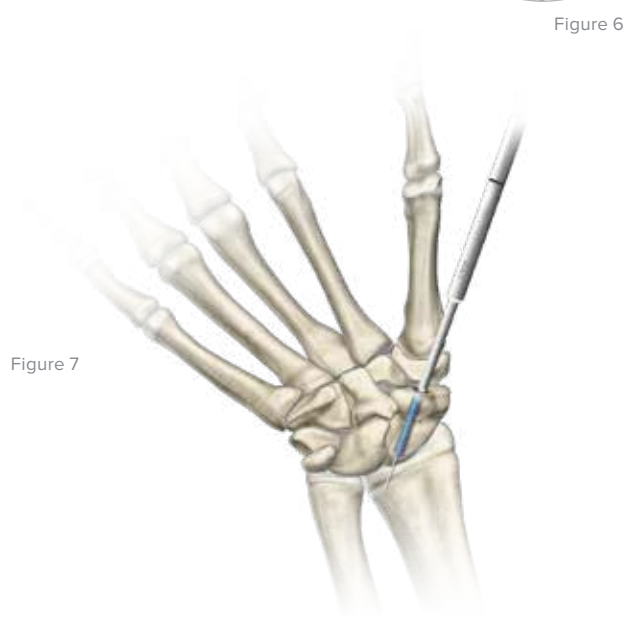


Figure 6

6 Advance Self-Tapping Screw

The Acutrak 2 Standard Bone Screw (AT2-XXX) is then advanced over the guide wire and with the appropriate sized cannulated hex driver (HT-0915, **HT-1120**, or **HT-1725**), then the wire removed. Compression can then be confirmed radiographically on the image intensifier.

Figure 7



Micro Acutrak 2 Drill
(AT2-1509)



Mini Acutrak 2 Drill
(AT2M-1813)



Acutrak 2 Drill
(AT2-2515)



Micro Acutrak 2
Extended Long Drill
(80-1522)



Mini Acutrak 2 Drill, Long
(AT2M-L1813)



Acutrak 2 Drill, Long
(AT2-L2515)



Acutrak 2 Standard Bone Screw
(AT2-XXX)



1.5 mm
Cannulated Quick Release Driver Tip
(HT-0915)



2.0 mm
Cannulated Quick Release Driver Tip
(HT-1120)



2.5 mm
Cannulated Quick Release, Driver Tip
(HT-1725)

Dorsal Scaphoid Technique: Acutrak 2 Micro, Mini, and Standard [continued]



Figure 4

4 Advance Guide Wire

Advance the guide wire (80-1524, **WS-1106ST**, or **WS-1407ST**) 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.

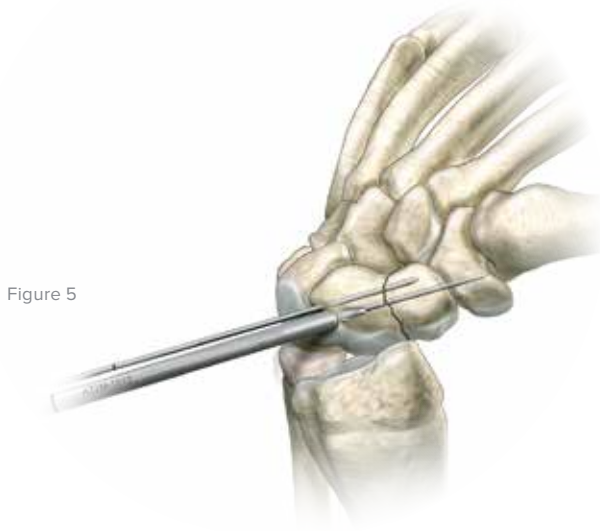


Figure 5

5 Drill Near Cortex

Open the near cortex with the appropriate profile drill (AT2-1509, **AT2M-1813**, or **AT2-2515**).



.035" x 6" Single
Trocac Guide Wire
(80-1524)



.045" x 6" Single
Trocac Guide Wire
(WS-1106ST)



.054" x 7" Single
Trocac Guide Wire
(WS-1407ST)



Micro Acutrak 2
Drill
(AT2-1509)



Mini Acutrak 2
Drill
(AT2M-1813)



Acutrak 2 Drill
(AT2-2515)

Dorsal Scaphoid Technique: Acutrak 2 Micro, Mini, and Standard [continued]

6 Drill Far Fragment

Next, drill into the far fragment with the appropriate long drill (80-1522, **AT2M-L1813**, or **AT2-L2515**), 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.



Figure 6

7 Screw Insertion

Insert the correctly sized Micro, Mini, or Standard Acutrak 2 Bone Screw (AT2-XXX) with the appropriate cannulated hex driver (HT-0915, **HT-1120**, or **HT-1725**). 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.

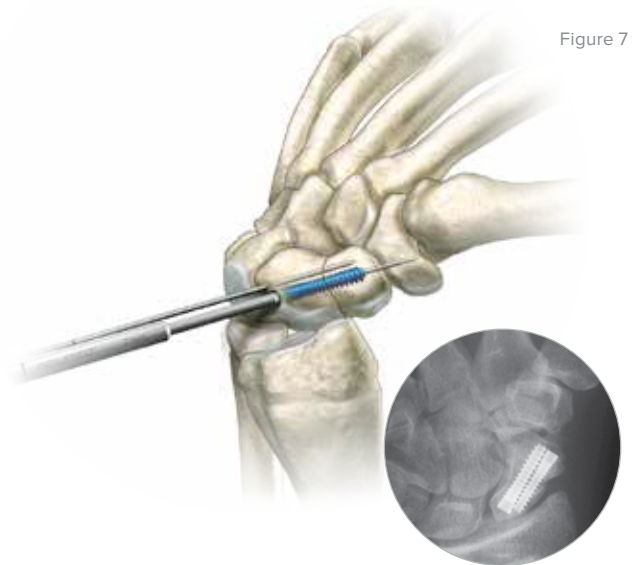


Figure 7



Figure 8



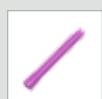
Micro Acutrak 2
Extended Long
Drill
(80-1522)



Mini Acutrak 2
Drill, Long
(**AT2M-L1813**)



Acutrak 2 Drill,
Long
(**AT2-L2515**)



Acutrak 2 Bone
Screw
(AT2-XXX)



1.5 mm
Cannulated Quick
Release Driver Tip
(HT-0915)



2.0 mm
Cannulated Quick
Release Driver Tip
(**HT-1120**)



2.5 mm
Cannulated Quick
Release Driver Tip
(**HT-1725**)

Ordering Information [continued]

Mini Acutrak 2 Tray Components

Mini Acutrak 2 Implants*

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

Mini Acutrak 2 Instrumentation

1	Acutrak 2 Mini Parallel Wire Guide Assembly	AT2-4500
2	.045 x 6" Single Trocar Guide Wire	WS-1106ST
3	Mini Acutrak 2 Drill	AT2M-1813
4	Mini Acutrak 2 Drill, Long	AT2M-L1813
5	2.0 mm Cannulated Hex Driver	HT-1120

Mini Acutrak 2 X-Ray Template

Mini Acutrak 2 X-Ray Template	ACT70-03
-------------------------------	----------

Standard Acutrak 2 Tray Components

Standard Acutrak 2 Implants*

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

Standard Acutrak 2 Instrumentation

6	Acutrak 2 Standard Parallel Wire Guide Assembly	AT2-5400
7	.054 x 7" Single Trocar Guide Wire	WS-1407ST
8	Acutrak 2 Drill	AT2-2515
9	Acutrak 2 Drill, Long	AT2-L2515
10	2.5 mm Cannulated Quick Release Driver Tip	HT-1725

Acutrak 2 Standard X-Ray Template

Acutrak 2 Standard X-Ray Template	ACT70-01
-----------------------------------	----------

Ordering Information [continued]

Tray Components

Universal Acutrak 2 Standard, Mini, and Micro Tray

Universal Acutrak 2 Standard, Mini, and Micro Instrument Base	80-0808	Acutrak 2 Standard Screw Caddy	AT2-055
Universal Acutrak 2 Standard, Mini, and Micro Implant Base	80-0811	Acutrak 2 Mini Screw Caddy	AT2-066
Universal Acutrak 2 Deep Lid	80-0812	Acutrak 2 Micro Screw Caddy	AT2-077

Universal Acutrak 2 Standard, Mini, and Micro Instrumentation

1 Acutrak 2 Screw Sizer	AT2-SMCZ	5 Medium Ratcheting Driver Handle	80-0663
2 Acutrak Plunger Assembly	AT-7060	6 6 mm Graft Removal Paddle Assembly	BG-8064
3 Acutrak Short Cannula Assembly	80-0519	7 7 mm Bone Graft Drill Assembly	PL-BG07
4 Acutrak 2 Probe	AT2-0402		

Acutrak 2 Micro Instrumentation

8 1.5 mm Easyout Quick Release	80-0598	9 2.0 mm Easyout Quick Release	80-0599
--------------------------------	---------	--------------------------------	---------

Acutrak 2 Standard Instrumentation

10 2.5 mm Easyout Quick Release	80-0600		
---------------------------------	---------	--	--

 acumed[®]
6.5 mm/7.3 mm Cannulated Screw System

Surgical Technique



Instrument Overview

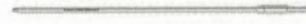
- ▶ System includes both threaded and fluted guide wires, designed to assist the surgeon with provisional fixation and screw placement
- ▶ Instrumentation is designed to aid in percutaneous insertion
- ▶ Easyout removal tool may aid in screw removal



2.8 mm Trocar
(80-1882)



7.3 mm/6.5 mm Screw Sizer
(80-1879)



4.0 mm Long Easyout, Quick Release
(80-2537)



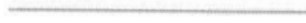
2.8 mm Cleaning Stylet
(80-1887)



2.8 mm Wire Protection Sleeve
(80-1880)



2.8 mm (.110") x 300 mm Threaded Guide Wire
(80-1878)



2.8 mm (.110") x 300 mm Fluted Guide Wire
(80-2535)



2.8 mm (.110") x 450 mm Threaded Guide Wire
(80-2533)



Coupling Large Quick Release to Quick Release
(80-1884)



7.3 mm/6.5 mm Cannula
(80-1883)



2.8 mm Parallel Wire Guide
(80-1886)



7.3 mm/6.5 mm Screw Holding Sleeve
(80-1885)



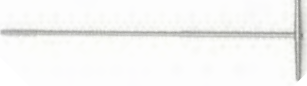
13 mm Washer Sleeve
(80-1881)



5.0 mm Cannulated Drill
(80-1871)



7.3 mm/6.5 mm Cannulated Countersink
(80-1872)



7.3 mm/6.5 mm Cannulated Tap
(80-1873)



4.0 mm Cannulated Large Quick Release Hex Driver Tip
(80-1874)



4.0 mm Solid Large Quick Release Hex Driver Tip
(80-1875)



Handle, Large AO Type, Quick Release
(80-2216)

Additional



Multiple Parallel Wire Targeting Guide
(80-2534)

6.5 mm/7.3 mm Cannulated Screw Surgical Technique [continued]

Figure 7

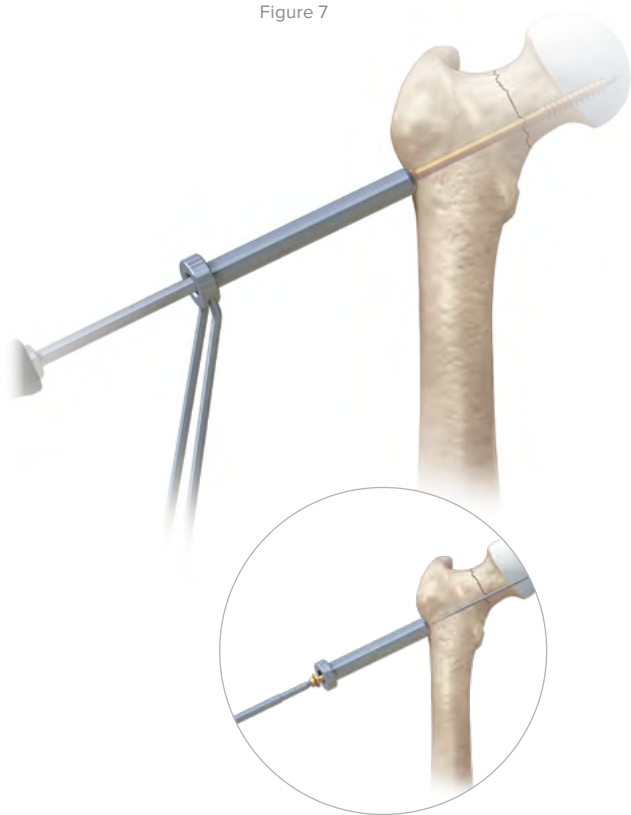


Figure 8

5 Screw Insertion

Insert the appropriate length cannulated screw over the guide wire through the 6.5 mm/7.3 mm Cannula (80-1883) using the 4.0 mm Cannulated LQR Hex Driver (80-1874) either with power or by hand (Figure 7).

Once the screw is seated, remove the preferred guide wire used in Step 3 and the cannula. Confirm the final screw position as well as the adequacy of reduction and stability of fixation with fluoroscopy.

Note: The screw may be inserted with either the Handle, Large AO Type, Quick Release (80-2216) or a power tool. If a power tool is selected, it is recommended to not drive the screw in to final depth using the power tool.

Caution: It is recommended that final tightening be carried out by hand to prevent stripping and/or iatrogenic fracture due to over-insertion.

Optional: Insert Screw With Washer

Washers may be used to spread the load of the screw head over a greater area. Use the 13 mm Washer Sleeve (80-1881) to help protect the soft tissue. Place the washer onto the screw and use the cannulated driver to seat the screw. Confirm the screw position with fluoroscopy (Figure 8).



6.5 mm/7.3 mm
Cannula
(80-1883)



4.0 mm
Cannulated LQR
Hex Driver
(80-1874)



Handle, Large
AO Type,
Quick Release
(80-2216)



13 mm
Washer Sleeve
(80-1881)

Ordering Information

Tray Components

6.5 mm/7.3 mm Cannulated Screw Instruments

1	5.0 mm Cannulated Drill	80-1871	12	Coupling Large Quick Release to Quick Release	80-1884
2	7.3 mm/6.5 mm Cannulated Countersink	80-1872	13	7.3 mm/6.5 mm Screw Holding Sleeve	80-1885
3	7.3 mm/6.5 mm Cannulated Tap	80-1873	14	2.8 mm Parallel Wire Guide	80-1886
4	4.0 mm Cannulated Large Quick Release Hex Driver Tip	80-1874	15	2.8 mm Cleaning Stylet	80-1887
5	4.0 mm Solid Large Quick Release Hex Driver Tip	80-1875	16	Handle, Large AO Type, Quick Release	80-2216
6	2.8 mm x 300 mm Threaded Guide Wire	80-1878	17	2.8 mm x 450 mm Threaded Guide Wire	80-2533
7	7.3 mm/6.5 mm Screw Sizer	80-1879	18	2.8 mm x 300 mm Fluted Guide Wire	80-2535
8	2.8 mm Wire Protection Sleeve	80-1880	19	4.0 mm Long Easyout, Quick Release	80-2537
9	13 mm Washer Sleeve	80-1881	20	7.3 mm/ 6.5 mm Cannulated Screw Tray Platter	80-1825
10	2.8 mm Trocar	80-1882	21	7.3 mm/ 6.5 mm Cannulated Screw Tray Lid	80-1823*
11	7.3 mm/6.5 mm Cannula	80-1883	22	7.3 mm/ 6.5 mm Cannulated Screw Tray Base	80-1824*

Additional

Multiple Parallel Wire Targeting Guide	80-2534
--	---------

*Items not shown

Ordering Information [continued]

6.5 mm Cannulated Screws

6.5 mm Cannulated Screw—16 mm Thread

6.5 mm x 30 mm Cannulated Screw 16 mm Thread	3005-65030
6.5 mm x 35 mm Cannulated Screw 16 mm Thread	3005-65035
6.5 mm x 40 mm Cannulated Screw 16 mm Thread	3005-65040
6.5 mm x 45 mm Cannulated Screw 16 mm Thread	3005-65045
6.5 mm x 50 mm Cannulated Screw 16 mm Thread	3005-65050
6.5 mm x 55 mm Cannulated Screw 16 mm Thread	3005-65055
6.5 mm x 60 mm Cannulated Screw 16 mm Thread	3005-65060
6.5 mm x 65 mm Cannulated Screw 16 mm Thread	3005-65065
6.5 mm x 70 mm Cannulated Screw 16 mm Thread	3005-65070
6.5 mm x 75 mm Cannulated Screw 16 mm Thread	3005-65075
6.5 mm x 80 mm Cannulated Screw 16 mm Thread	3005-65080
6.5 mm x 85 mm Cannulated Screw 16 mm Thread	3005-65085
6.5 mm x 90 mm Cannulated Screw 16 mm Thread	3005-65090
6.5 mm x 95 mm Cannulated Screw 16 mm Thread	3005-65095
6.5 mm x 100 mm Cannulated Screw 16 mm Thread	3005-65100
6.5 mm x 105 mm Cannulated Screw 16 mm Thread	3005-65105
6.5 mm x 110 mm Cannulated Screw 16 mm Thread	3005-65110
6.5 mm x 115 mm Cannulated Screw 16 mm Thread	3005-65115
6.5 mm x 120 mm Cannulated Screw 16 mm Thread	3005-65120
6.5 mm x 125 mm Cannulated Screw 16 mm Thread	3005-65125
6.5 mm x 130 mm Cannulated Screw 16 mm Thread	3005-65130
6.5 mm x 135 mm Cannulated Screw 16 mm Thread	3005-65135
6.5 mm x 140 mm Cannulated Screw 16 mm Thread	3005-65140
6.5 mm x 145 mm Cannulated Screw 16 mm Thread	3005-65145
6.5 mm x 150 mm Cannulated Screw 16 mm Thread	3005-65150

6.5 mm Cannulated Screw—32 mm Thread

6.5 mm x 45 mm Cannulated Screw 32 mm Thread	3006-65045
6.5 mm x 50 mm Cannulated Screw 32 mm Thread	3006-65050
6.5 mm x 55 mm Cannulated Screw 32 mm Thread	3006-65055
6.5 mm x 60 mm Cannulated Screw 32 mm Thread	3006-65060
6.5 mm x 65 mm Cannulated Screw 32 mm Thread	3006-65065
6.5 mm x 70 mm Cannulated Screw 32 mm Thread	3006-65070
6.5 mm x 75 mm Cannulated Screw 32 mm Thread	3006-65075
6.5 mm x 80 mm Cannulated Screw 32 mm Thread	3006-65080
6.5 mm x 85 mm Cannulated Screw 32 mm Thread	3006-65085
6.5 mm x 90 mm Cannulated Screw 32 mm Thread	3006-65090
6.5 mm x 95 mm Cannulated Screw 32 mm Thread	3006-65095
6.5 mm x 100 mm Cannulated Screw 32 mm Thread	3006-65100
6.5 mm x 105 mm Cannulated Screw 32 mm Thread	3006-65105
6.5 mm x 110 mm Cannulated Screw 32 mm Thread	3006-65110
6.5 mm x 115 mm Cannulated Screw 32 mm Thread	3006-65115
6.5 mm x 120 mm Cannulated Screw 32 mm Thread	3006-65120
6.5 mm x 125 mm Cannulated Screw 32 mm Thread	3006-65125
6.5 mm x 130 mm Cannulated Screw 32 mm Thread	3006-65130
6.5 mm x 135 mm Cannulated Screw 32 mm Thread	3006-65135
6.5 mm x 140 mm Cannulated Screw 32 mm Thread	3006-65140
6.5 mm x 145 mm Cannulated Screw 32 mm Thread	3006-65145
6.5 mm x 150 mm Cannulated Screw 32 mm Thread	3006-65150

Ordering Information [continued]

6.5 mm Cannulated Screws

6.5 mm Cannulated Screw—Full Thread

6.5 mm x 30 mm Cannulated Screw Full Thread	3007-65030	6.5 mm x 95 mm Cannulated Screw Full Thread	3007-65095
6.5 mm x 35 mm Cannulated Screw Full Thread	3007-65035	6.5 mm x 100 mm Cannulated Screw Full Thread	3007-65100
6.5 mm x 40 mm Cannulated Screw Full Thread	3007-65040	6.5 mm x 105 mm Cannulated Screw Full Thread	3007-65105
6.5 mm x 45 mm Cannulated Screw Full Thread	3007-65045	6.5 mm x 110 mm Cannulated Screw Full Thread	3007-65110
6.5 mm x 50 mm Cannulated Screw Full Thread	3007-65050	6.5 mm x 115 mm Cannulated Screw Full Thread	3007-65115
6.5 mm x 55 mm Cannulated Screw Full Thread	3007-65055	6.5 mm x 120 mm Cannulated Screw Full Thread	3007-65120
6.5 mm x 60 mm Cannulated Screw Full Thread	3007-65060	6.5 mm x 125 mm Cannulated Screw Full Thread	3007-65125
6.5 mm x 65 mm Cannulated Screw Full Thread	3007-65065	6.5 mm x 130 mm Cannulated Screw Full Thread	3007-65130
6.5 mm x 70 mm Cannulated Screw Full Thread	3007-65070	6.5 mm x 135 mm Cannulated Screw Full Thread	3007-65135
6.5 mm x 75 mm Cannulated Screw Full Thread	3007-65075	6.5 mm x 140 mm Cannulated Screw Full Thread	3007-65140
6.5 mm x 80 mm Cannulated Screw Full Thread	3007-65080	6.5 mm x 145 mm Cannulated Screw Full Thread	3007-65145
6.5 mm x 85 mm Cannulated Screw Full Thread	3007-65085	6.5 mm x 150 mm Cannulated Screw Full Thread	3007-65150
6.5 mm x 90 mm Cannulated Screw Full Thread	3007-65090	1 6.5 mm Cannulated Screw Caddy	80-2020