

Item Catalogue

NUPCO CODE: 4229660311900 | SN: 987

NUPCO ITEM DESCRIPTION

SET, COMPLETE INSTRUMENTATION TITANIUM SCREW CANNULATED PARTIAL THREADED 5.0 - 6.0 MM, WITH NECESSARY CASE AND RELATED DRILL BITS AND TAPS

VENDOR PRODUCT DESCRIPTION

Acumed Cannulated Screw System instrumentation

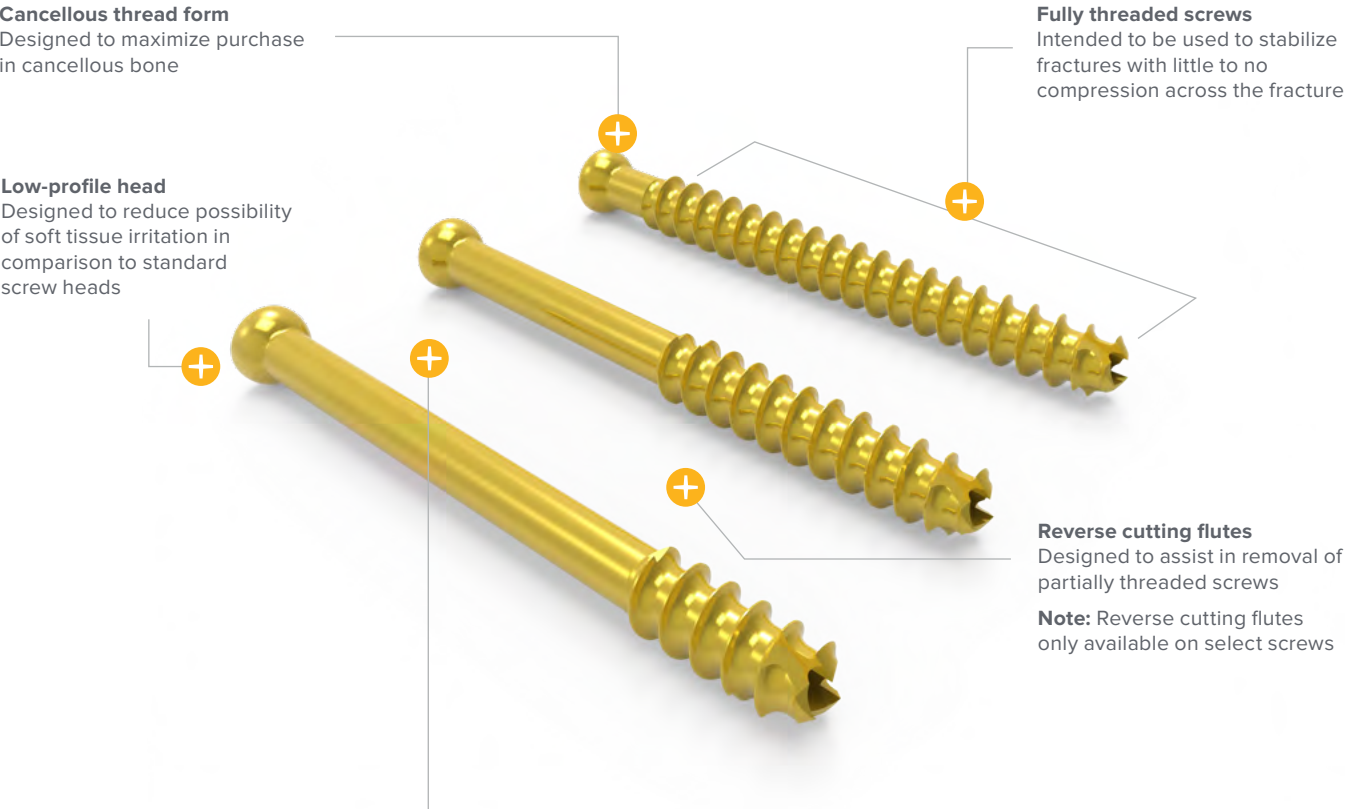
SKU CODES INCLUDED FOR THIS NUPCO CODE

- 80-1871
- 80-1883
- 80-1872
- 80-1884
- 80-1873
- 80-1885
- 80-1874
- 80-1886
- 80-1875
- 80-1887
- 80-1878
- 80-2216
- 80-1879
- 80-2533
- 80-1880
- 80-2535
- 80-1881
- 80-2537
- 80-1882
- 80-2534

System Features

Wide Range of Screw Lengths

Provided to address a wide variety of fracture patterns.



Partially threaded screws
May be used to lag one bone fragment to another, where the far bone fragment is captured by the threads of the screw and pulled towards the near cortex fragment on the head side of the screw

Short Thread 16 mm	Long Thread 32 mm	Full Thread	Cannulated Screw Washer
			
(3005-XXXXX) 30–150 mm	(3006-XXXXX) 45–150 mm	(3007-XXXXX) 30–150 mm	(7003-13067) 13.0 mm OD x 6.7 mm ID

6.5 mm/7.3 mm Cannulated Screws	
Driver Size	4.0 mm Cannulated Driver (80-1874)
Drill Size	5.0 mm Cannulated Drill (80-1871)
Guide Wire Size	2.8 mm (.110") x 300 mm Threaded (80-1878) 2.8 mm (.110") x 300 mm Fluted (80-2535) 2.8 mm (.110") x 450 mm Threaded (80-2533)
Washer Size	13.0 mm Outer Diameter (OD) x 6.7 mm Inner Diameter (ID) (7003-13067)

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



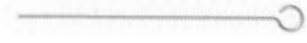
2.8 mm Trocar
(80-1882)



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

Figure 1



Note: For simple, nondisplaced fractures, the following technique is offered to illustrate the use of instrumentation when implanting cannulated screws. For displaced fractures, particularly in elderly patients with poor bone quality, alternative treatment modalities may be more appropriate. Each surgeon must consider the particular needs of each patient and make appropriate adjustments when and as required.

1 Site Reduction and Preparation

Reduce and prepare the fracture, fusion, or osteotomy site using the surgeon's preferred technique. For a percutaneous approach, make a stab incision at the screw site then bluntly dissect down to bone. Insert the assembled 6.5 mm/7.3 mm Cannula (80-1883), 2.8 mm Wire Protection Sleeve (80-1880), and 2.8 mm Trocar (80-1882) into the incision, ensuring contact with the cortex is made (Figure 1).

Note: If a washer is to be utilized, the 13 mm Washer Sleeve (80-1881) may be inserted over the cannula at this step.



6.5 mm/7.3 mm
Cannula
(80-1883)



2.8 mm Wire
Protection Sleeve
(80-1880)



2.8 mm Trocar
(80-1882)



13 mm Washer
Sleeve
(80-1881)

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

2 Guide Wire Placement

Remove the 2.8 mm Trocar (80-1882) and insert the appropriate size guide wire: 2.8 mm x 300 mm Threaded Guide Wire (80-1878), 2.8 mm x 300 mm Fluted Guide Wire (80-2535), or 2.8 mm x 450 mm Threaded Guide Wire (80-2533) to the desired depth and position through the 2.8 mm Wire Protection Sleeve (80-1880). Confirm the guide wire position and depth with fluoroscopy in multiple planes (Figure 2).

Note: In femoral neck fractures, the goal for the positioning of the screws should be to place three or four parallel screws around the periphery of the femoral neck. The surgeon must consider fracture pattern and stability to determine the appropriate number and configuration of screws to implant. The surgeon should always consider fracture pattern and reduction to determine whether cannulated screws best meet surgical requirements or whether alternative implants would better address the fracture.

Optional: Parallel Wire Guide

For placement of multiple parallel screws, place the 2.8 mm Parallel Wire Guide (80-1886) over the inserted guide wire and move the adjustable sleeve to the next desired location. Insert the next guide wire.

Note: The parallel wire guide and multi parallel wire guide are not designed to be used in conjunction with the 6.5 mm/7.3 mm Cannula and/or the 13 mm Washer Sleeve.

Optional: Multiple Parallel Wire Guide Targeting Tool

For placement of multiple parallel screws, utilize the Multiple Parallel Wire Targeting Guide (80-2534). Insert the guide wire through the selected hole on the targeting tool to the desired position in the femoral neck and head (Figure 3).

Note: The Multiple Parallel Wire Targeting Guide will allow placement of washers when wires are placed through nonadjacent holes.

Note: When inserting multiple guide wires, it is recommended to insert the inferior-most guide wire first in order to obtain optimal cannulated screw position.

Figure 2

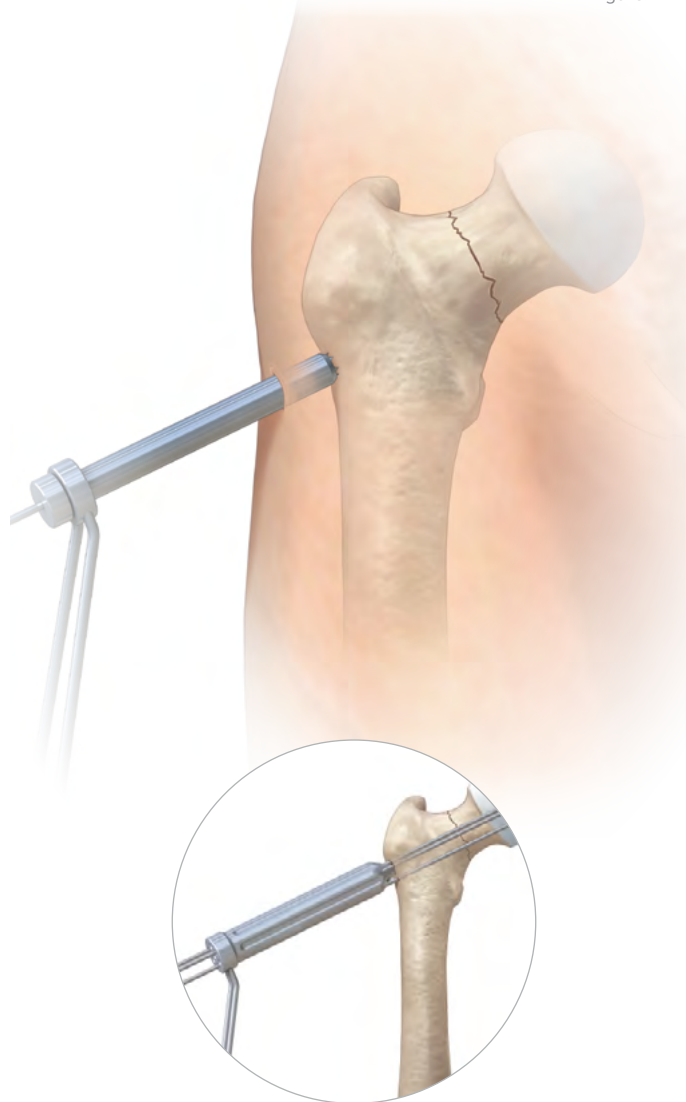


Figure 3

2.8 mm Trocar
(80-1882)2.8 mm x 300 mm
Threaded
Guide Wire
(80-1878)2.8 mm x 300 mm
Fluted Guide Wire
(80-2535)2.8 mm x 450 mm
Threaded
Guide Wire
(80-2533)2.8 mm Wire
Protection Sleeve
(80-1880)2.8 mm Parallel
Wire Guide
(80-1886)Multiple Parallel Wire
Targeting Guide
(80-2534)

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

Figure 4



Figure 5

3 Determining Screw Length

Remove the 2.8 mm Wire Protection Sleeve (80-1880) and slide the 6.5 mm/7.3 mm Screw Sizer (80-1879) over the guide wire, ensuring contact with cortical bone (Figure 4). Read the length directly from the screw sizer by noting the location of the end of the guide wire in relation to numerals and hash marks on sizer. This measurement must be taken with the supplied 2.8 mm x 300 mm Threaded Guide Wire (80-1878) or 2.8 mm x 300 mm Fluted Guide Wire (80-2535). Alternatively, the 2.8 mm x 450 mm Threaded Guide Wire (80-2533) has a laser band that indicates length (Figure 5).



2.8 mm Wire
Protection Sleeve
(80-1880)



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



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



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



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

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

4 Drilling

Remove the 6.5 mm/7.3 mm Screw Sizer (80-1879) and slide the 5.0 mm Cannulated Drill Bit (80-1871) over the guide wire and through the 6.5 mm/7.3 mm Cannula (80-1883). Drill to the desired depth (Figure 6).

Optional: Cleaning Stylet

In case of biologic material accumulation within cannulated instruments, the 2.8 mm Cleaning Stylet (80-1887) may assist in its removal. The cleaning stylet is designed to be inserted into the tip end of the instruments.

Optional: Countersink

When a lower profile is desired, the 6.5 mm/7.3 mm Cannulated Countersink (80-1872) can be used to reduce the prominence of the screw head. Slide the Cannulated Countersink over the guide wire and through the cannula. Countersink to the desired depth.

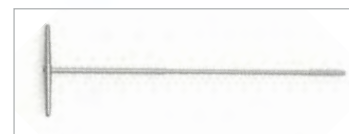
Note: Care must be taken to ensure the cortex is not countersunk beyond its capacity.

Optional: Tap

In sclerotic or particularly hard bone, pre-drilling and pre-tapping may be necessary. Slide the 6.5 mm/7.3 mm Cannulated Tap (80-1873) over the guide wire and through the cannula. Tap to the desired depth.

Caution: The optional Coupling LQR to QR (80-1884) is not cannulated. Care must be taken to avoid advancement of guide wires with its use.

Figure 6



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



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



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



5.0 mm
Cannulated
Drill Bit
(80-1871)



6.5 mm/7.3 mm
Cannula
(80-1883)



2.8 mm
Cleaning Stylet
(80-1887)



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



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



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

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