

Item Catalogue

NUPCO CODE: 4229520908700 | SN: 1485

NUPCO ITEM DESCRIPTION

CANNULATED DRILL BIT, ASSORTED SIZES AND LENGTHS FROM 3.1MM TO 4.0MM

VENDOR PRODUCT DESCRIPTION

ExtremiFix Small cannulated drills 3.1/3.7 mm

SKU CODES INCLUDED FOR THIS NUPCO CODE

- 316-0535
- 316-0536
- 316-0554
- 316-0555

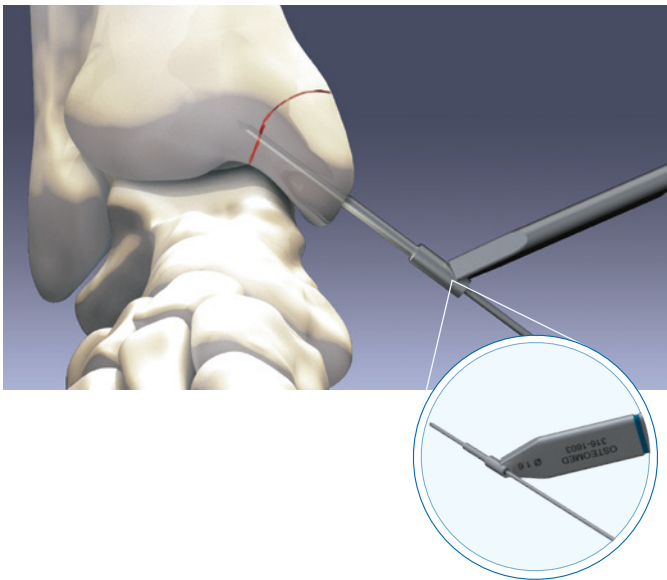
Surgical Technique

Medial Malleolar Fracture

1. Insert Guide Wire

Place the guide wire/drill guide through a stab incision and insert the guide wire into the bone to the appropriate depth. Use image intensification to verify the guide wire placement. Proper position of guide wire is critical for screw placement.

When placing more than one screw, ensure that subsequent guide wires do not interfere with other implants.



4.5 mm Screws

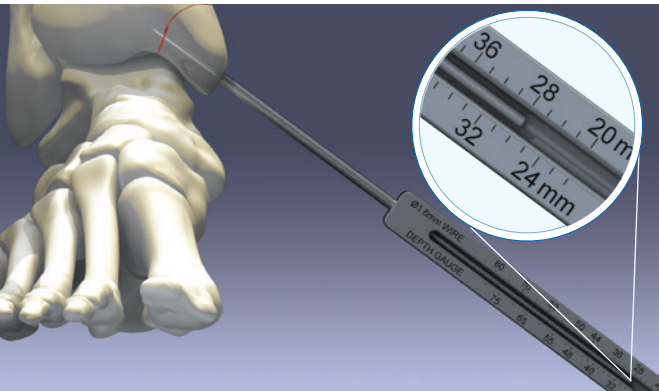
Part Number	Description
316-1601	1.6 mm x 180 mm Smooth Guide Wire
316-1602	1.6 mm x 180 mm Threaded Guide Wire
316-1603	1.6 mm/3.1 mm Guide Wire/Drill Guide

5.5 mm Screws

316-1601	1.6 mm x 180 mm Smooth Guide Wire
316-1602	1.6 mm x 180 mm Threaded Guide Wire
316-1618	1.6 mm/3.7 mm Guide Wire/Drill Guide

2. Screw Length Measurement

Place depth gauge over the guide wire until the depth gauge tip is positioned directly against the bone. The proximal end of the guide wire will indicate the screw length required. Subtract any anticipated interfragmentary compression resulting from screw insertion.

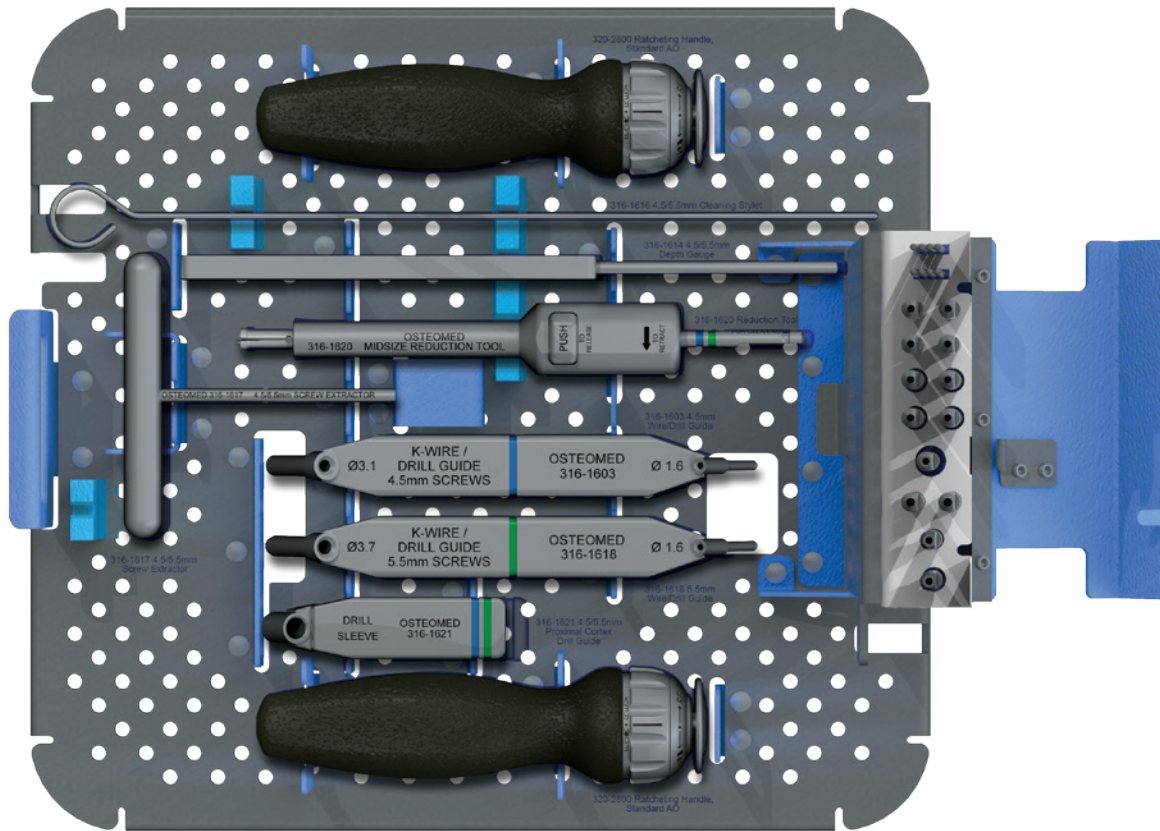


4.5 mm Screws and 5.5 mm Screws

316-1601	1.6 mm x 180 mm Smooth Guide Wire
316-1602	1.6 mm x 180 mm Threaded Guide Wire
316-1614	4.5/5.5 mm Depth Gauge

Ordering Information

Midsize Instrumentation



316-1805 ExtremiFix Midsize, 4.5mm/5.5mm ORIF Instrument Tray (Top View)



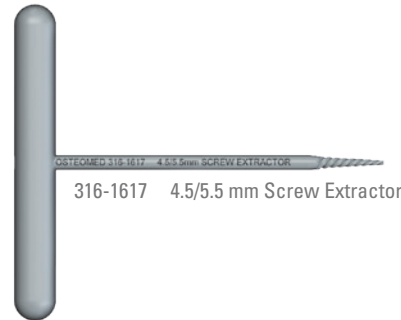
316-1603 1.6 mm/3.1 mm Guide Wire and Drill Guide



316-1618 1.6 mm/3.7 mm Guide Wire and Drill Guide



316-1621 4.5/5.5 mm Proximal Cortex Drill Sleeve



316-1617 4.5/5.5 mm Screw Extractor



316-1614 4.5/5.5 mm Depth Gauge



316-1620 4.5/5.5 mm Headless Compression Screw Reduction Tool



320-2800 Ratcheting Driver Handle, Standard AO



316-1616 4.5/5.5 mm Cleaning Stylet

Instrument Overview [continued]

3.0/4.0 mm Small Instruments



Ø3.0/4.0 mm Cannulated Countersink, Quick Release
(316-0501)



Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release
(316-0554)



Ø3.0/4.0 mm T10 Driver, Cannulated, Long, Quick Release
(316-0555)

3.0 mm Small Instruments



Ø2.3 mm Cannulated Drill, Quick Release
(316-0532)



Ø3.2 mm Proximal Cortex Drill, Quick Release
(316-0533)



Ø2.3 mm Drill/Countersink Combo, Short, Quick Release
(316-0537)



Ø2.3 mm Drill/Countersink Combo, Long, Quick Release
(316-0538)

4.0 mm Small Instruments



Ø2.7 mm Cannulated Drill, Quick Release
(316-0534)



Ø3.7 mm Proximal Cortex Drill, Quick Release
(316-0543)



Ø2.7 mm Drill/Countersink Combo, Short, Quick Release
(316-0547)

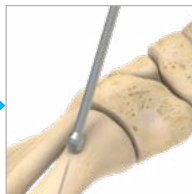


Ø2.7 mm Drill/Countersink Combo, Long, Quick Release
(316-0548)

Predrill (Recommended)



Countersink or Cortex Drill (Recommended)



Insert Screw



Screw Removal (Optional)



Foot & Ankle Applications

Headed and Headless Cannulated Screws [continued]

Figure 6

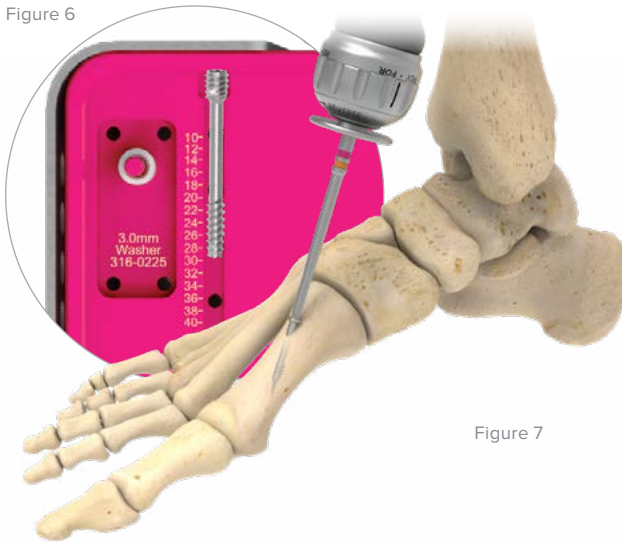


Figure 7

6 Insert Screw

The Screw Remover (316-0039) may be helpful to remove the desired screw from the module. Verify screw length using the length gauge on the screw module (Figure 6).

Slide the selected Cannulated Screw (318-XXXX or 315-XXXX) over the K-wire.

Using the Cannulated Driver (316-05XXX) and Driver Handle (323-170X), drive the screw head until fully seated (Figure 7).

Driver for 2.0/2.4 mm Screws

316-0544	Ø2.0/2.4 mm T7 Driver, Cannulated, Short, Quick Release
316-0545	Ø2.0/2.4 mm T7 Driver, Cannulated, Long, Quick Release

Drivers for 3.0/4.0 mm Screws

316-0554	Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release
316-0555	Ø3.0/4.0 mm T10 Driver, Cannulated, Long, Quick Release

It may be necessary to drive the screw further into the bone to prevent screw head prominence.

Verify final screw placement under fluoroscopy then remove and discard the K-wire.

Repeat the overall surgical technique, as necessary, for additional screw placement.

Washers

316-0125	Ø2.0 mm Washer
316-0126	Ø2.4 mm Washer
316-0225	Ø3.0 mm Washer
316-0226	Ø4.0 mm Washer

Note: To provide additional contact area with the bone, optional Washers (316-0XXX) may be placed over the K-wire, prior to a headed screw.



Ø2.0/2.4 mm T7 Driver, Cannulated, Quick Release (316-054X)



Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release (316-055X)



Swivel Handle Driver, Quick Release (323-1701)



Ratchet Handle, Quick Release (323-1702)



Ø2.0/2.4/3.0/4.0 mm Screw Remover (316-0039)



Headless Cannulated Screw (315-XXXX)



Headed Cannulated Screw (318-XXXX)



Washer (316-0XXX)

Screw Removal Technique [Optional]

1 Screw Removal

Locate the implant with intraoperative imaging.

Palpate the screw and remove surrounding soft tissue to gain maximum exposure.

Insert a K-wire (316-0XXX) through the screw cannula, if possible.

Engage screw with a Cannulated Driver (316-05XX) and rotate counterclockwise until the screw is removed (Figure 1).

If the screw cannot be removed with a cannulated driver, insert the Screw Extractor (316-0009) into the cannulation. The screw head does not need to be intact during extraction. As long as the screw canal is exposed, the tip of the screw extractor can be inserted into the cannula.

While applying axial force, rotate the screw extractor counterclockwise until the screw is removed.

Warning: It is important to keep the extractor in line with the screw to be removed. Failure to do so may cause the extractor to break.

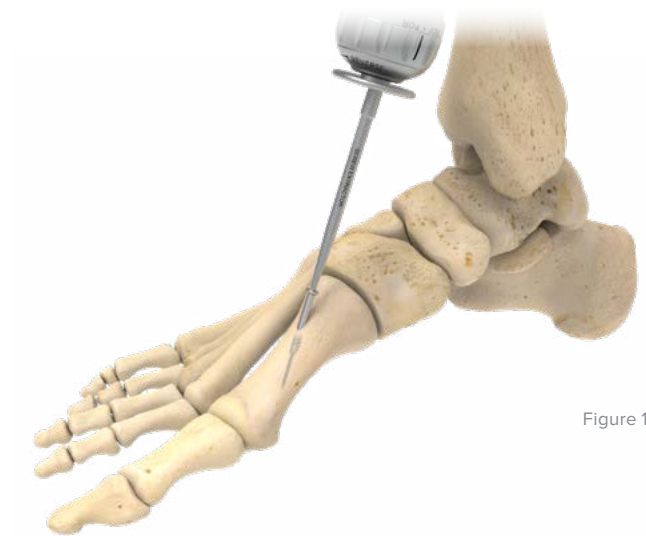


Figure 1



Ø2.0/2.4/3.0/4.0 mm
Screw Extractor
(316-0009)



K-wire
(316-0XXX)



Swivel Handle Driver,
Quick Release
(323-1701)



Ratchet Handle,
Quick Release
(323-1702)



Ø2.0/2.4 mm T7 Driver,
Cannulated, Short,
Quick Release
(316-0544)



Ø2.0/2.4 mm T7 Driver,
Cannulated, Long,
Quick Release
(316-0545)



Ø3.0/4.0 mm T10
Driver, Cannulated,
Short, Quick Release
(316-0554)



Ø3.0/4.0 mm T10
Driver, Cannulated,
Long, Quick Release
(316-0555)

Ordering Information [continued]

Tray Components — 3.0 mm Driver and Drill Module

1	Ø3.0 mm Screw & Instrument Module, ExtremiFix Small	316-1530	2	Ø2.3 mm Cannulated Drill, Quick Release	316-0532
3	Ø3.0/4.0 mm Cannulated Countersink, Quick Release	316-0501	4	Ø3.2 mm Proximal Cortex Drill, Quick Release	316-0533
5	Ø2.3 mm Drill/Countersink Combo, Short, Quick Release	316-0537	6	Ø2.3 mm Drill/Countersink Combo, Long, Quick Release	316-0538
7	Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release	316-0554	8	Ø3.0/4.0 mm T10 Driver, Cannulated, Long, Quick Release	316-0555

Tray Components — 3.0 mm Screw Module

9	Ø3.0 mm Screw & Instrument Module, ExtremiFix Small	316-1530	10	Cannulated Depth Gauge, Double sided 4"/6"	316-0036
11	Ø.045 x 6" K-wire	316-0004	12	Ø.045 x 6" Partially Threaded K-wire	316-0006
13	Ø.045 x 6" Double Trocar K-wire	316-0122	14	Ø.045 x 4" K-wire	316-0003
15	Ø.045 x 4" Double Trocar K-wire	316-0123	16	Ø3.0 mm Washer	316-0225

Tray Components — 3.0 mm Screw Module

17	3.0 mm Headed Cannulated Screws		18	3.0 mm Headless Cannulated Screws	
	3.0 x 10 mm Cannulated Headed Screw	318-3010		3.0 x 10 mm Cannulated Headless Screw	315-3010
	3.0 x 12 mm Cannulated Headed Screw	318-3012		3.0 x 12 mm Cannulated Headless Screw	315-3012
	3.0 x 14 mm Cannulated Headed Screw	318-3014		3.0 x 14 mm Cannulated Headless Screw	315-3014
	3.0 x 16 mm Cannulated Headed Screw	318-3016		3.0 x 16 mm Cannulated Headless Screw	315-3016
	3.0 x 18 mm Cannulated Headed Screw	318-3018		3.0 x 18 mm Cannulated Headless Screw	315-3018
	3.0 x 20 mm Cannulated Headed Screw	318-3020		3.0 x 20 mm Cannulated Headless Screw	315-3020
	3.0 x 22 mm Cannulated Headed Screw	318-3022		3.0 x 22 mm Cannulated Headless Screw	315-3022
	3.0 x 24 mm Cannulated Headed Screw	318-3024		3.0 x 24 mm Cannulated Headless Screw	315-3024
	3.0 x 26 mm Cannulated Headed Screw	318-3026		3.0 x 26 mm Cannulated Headless Screw	315-3026
	3.0 x 28 mm Cannulated Headed Screw	318-3028		3.0 x 28 mm Cannulated Headless Screw	315-3028
	3.0 x 30 mm Cannulated Headed Screw	318-3030		3.0 x 30 mm Cannulated Headless Screw	315-3030
	3.0 x 32 mm Cannulated Headed Screw	318-3032		3.0 x 32 mm Cannulated Headless Screw	315-3032
	3.0 x 34 mm Cannulated Headed Screw	318-3034		3.0 x 34 mm Cannulated Headless Screw	315-3034
	3.0 x 36 mm Cannulated Headed Screw	318-3036		3.0 x 36 mm Cannulated Headless Screw	315-3036
	3.0 x 38 mm Cannulated Headed Screw	318-3038		3.0 x 38 mm Cannulated Headless Screw	315-3038
	3.0 x 40 mm Cannulated Headed Screw	318-3040		3.0 x 40 mm Cannulated Headless Screw	315-3040

Ordering Information [continued]

Tray Components — 4.0 mm Driver and Drill Module

1	Ø4.0 mm Screw & Instrument Module, ExtremiFix Small	316-1540	2	Ø2.7 mm Cannulated Drill, Quick Release	316-0534
3	Ø3.0/4.0 mm Cannulated Countersink, Quick Release	316-0501	4	Ø3.7 mm Proximal Cortex Drill, Quick Release	316-0543
5	Ø2.7 mm Drill/Countersink Combo, Short, Quick Release	316-0547	6	Ø2.7 mm Drill/Countersink Combo, Long, Quick Release	316-0548
7	Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release	316-0554	8	Ø3.0/4.0 mm T10 Driver, Cannulated, Long, Quick Release	316-0555

Tray Components — 4.0 mm Screw Module

9	Ø4.0 mm Screw & Instrument Module, ExtremiFix Small	316-1540	10	Cannulated Depth Gauge, Double sided 4"/6"	316-0036
11	Ø.045 x 6" K-wire	316-0004	12	Ø.045 x 6" Partially Threaded K-wire	316-0006
13	Ø.045 x 6" Double Trocar K-wire	316-0122	14	Ø.045 x 4" K-wire	316-0003
15	Ø.045 x 4" Double Trocar K-wire	316-0123	16	Ø4.0 mm Washer	316-0226

Tray Components — 4.0 mm Screw Module

17	4.0 mm Headed Cannulated Screws	
	4.0 x 12 mm Cannulated Headed Screw	318-4012
	4.0 x 14 mm Cannulated Headed Screw	318-4014
	4.0 x 16 mm Cannulated Headed Screw	318-4016
	4.0 x 18 mm Cannulated Headed Screw	318-4018
	4.0 x 20 mm Cannulated Headed Screw	318-4020
	4.0 x 22 mm Cannulated Headed Screw	318-4022
	4.0 x 24 mm Cannulated Headed Screw	318-4024
	4.0 x 26 mm Cannulated Headed Screw	318-4026
	4.0 x 28 mm Cannulated Headed Screw	318-4028
	4.0 x 30 mm Cannulated Headed Screw	318-4030
	4.0 x 32 mm Cannulated Headed Screw	318-4032
	4.0 x 34 mm Cannulated Headed Screw	318-4034
	4.0 x 36 mm Cannulated Headed Screw	318-4036
	4.0 x 38 mm Cannulated Headed Screw	318-4038
	4.0 x 40 mm Cannulated Headed Screw	318-4040
	4.0 x 44 mm Cannulated Headed Screw	318-4044
	4.0 x 48 mm Cannulated Headed Screw	318-4048
	4.0 x 52 mm Cannulated Headed Screw	318-4052

18	4.0 mm Headless Cannulated Screws	
	4.0 x 12 mm Cannulated Headless Screw	315-4012
	4.0 x 14 mm Cannulated Headless Screw	315-4014
	4.0 x 16 mm Cannulated Headless Screw	315-4016
	4.0 x 18 mm Cannulated Headless Screw	315-4018
	4.0 x 20 mm Cannulated Headless Screw	315-4020
	4.0 x 22 mm Cannulated Headless Screw	315-4022
	4.0 x 24 mm Cannulated Headless Screw	315-4024
	4.0 x 26 mm Cannulated Headless Screw	315-4026
	4.0 x 28 mm Cannulated Headless Screw	315-4028
	4.0 x 30 mm Cannulated Headless Screw	315-4030
	4.0 x 32 mm Cannulated Headless Screw	315-4032
	4.0 x 34 mm Cannulated Headless Screw	315-4034
	4.0 x 36 mm Cannulated Headless Screw	315-4036
	4.0 x 38 mm Cannulated Headless Screw	315-4038
	4.0 x 40 mm Cannulated Headless Screw	315-4040
	4.0 x 44 mm Cannulated Headless Screw	315-4044
	4.0 x 48 mm Cannulated Headless Screw	315-4048
	4.0 x 52 mm Cannulated Headless Screw	315-4052