

# Item Catalogue

NUPCO CODE: 4232150035300 | SN: 343

NUPCO ITEM DESCRIPTION

WASHER, FOR CANNULATED STAINLESS STEEL SCREW PARTIAL THREADED 3.5MM TO 4.5 MM, ASSORTED SIZES

VENDOR PRODUCT DESCRIPTION

Washer family for 4.0 mm Acumed cannulated screws and 4.5 mm ExtremiFix screws

SKU CODES INCLUDED FOR THIS NUPCO CODE

7003-07036  
316-0325

## Indications

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The OsteoMed ExtremiFix Midsize I Large Cannulated Screw system is indicated for use in bone reconstruction, osteotomy, arthrodesis, and fracture fixation of foot, ankle, and long bones (upper and lower extremity).

## Contraindications

Use of the OsteoMed ExtremiFix Midsize I Large Cannulated Screw system is contraindicated in cases of active or suspected infection or in patients who are immunocompromised; in patients previously sensitized to titanium; or in patients with certain metabolic diseases. It is further contraindicated in patients exhibiting disorders which would cause the patient to ignore the physician's pre- and/or post-operative instructions and/or the limitations of internal rigid fixation implants.

## Warnings

1. Re-operation to remove or replace implants may be required at any time due to medical reasons or device failure. If corrective action is not taken, complications may occur.
2. Use of an undersized screw in areas of high functional stresses may lead to implant fracture and failure.
3. Plates and screws, wires, or other appliances of dissimilar metals should not be used together in or near the implant site.
4. Instruments, guide wires, and screws are to be treated as sharps.
5. It is recommended to remove any fractured implants and/or instruments from patients during surgery. If unable to remove, notify patient.
6. Use of screws in high density bone may result in implant and/or instrument fracture or failure upon insertion.
7. The OSTEOMED ExtremiFix Midsize & Large Cannulated Screw system is recommended for use in patients with sufficient bone quality to sustain effectiveness and benefits of rigid fixation.
8. The user should be aware of possible allergic reactions to materials used in the device. The patient should be informed on this matter by the user.
9. Failure to follow instructions may result in device not operating as intended.
10. Failure to follow sterilization parameters may result in device not operating as intended.

## Ordering Information

### Midsize Implants



#### 4.5 mm Headless Short Thread Screws

|          |                                                                 |
|----------|-----------------------------------------------------------------|
| 317-4520 | 4.5 x 20 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4522 | 4.5 x 22 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4524 | 4.5 x 24 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4526 | 4.5 x 26 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4528 | 4.5 x 28 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4530 | 4.5 x 30 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4532 | 4.5 x 32 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4534 | 4.5 x 34 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4536 | 4.5 x 36 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4538 | 4.5 x 38 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4540 | 4.5 x 40 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4542 | 4.5 x 42 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4544 | 4.5 x 44 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4546 | 4.5 x 46 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4548 | 4.5 x 48 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4550 | 4.5 x 50 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4555 | 4.5 x 55 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4560 | 4.5 x 60 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4565 | 4.5 x 65 mm Cannulated Headless Compression Screw, Short Thread |
| 317-4570 | 4.5 x 70 mm Cannulated Headless Compression Screw, Short Thread |



#### 4.5 mm Headless Long Thread Screws

|          |                                                                |
|----------|----------------------------------------------------------------|
| 317-4541 | 4.5 x 40 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4543 | 4.5 x 42 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4545 | 4.5 x 44 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4547 | 4.5 x 46 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4549 | 4.5 x 48 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4551 | 4.5 x 50 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4556 | 4.5 x 55 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4561 | 4.5 x 60 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4566 | 4.5 x 65 mm Cannulated Headless Compression Screw, Long Thread |
| 317-4571 | 4.5 x 70 mm Cannulated Headless Compression Screw, Long Thread |



#### 4.5 mm Headed Short Thread Screws

|          |                                                   |
|----------|---------------------------------------------------|
| 319-4520 | 4.5 x 20 mm Cannulated Headed Screw, Short Thread |
| 319-4522 | 4.5 x 22 mm Cannulated Headed Screw, Short Thread |
| 319-4524 | 4.5 x 24 mm Cannulated Headed Screw, Short Thread |
| 319-4526 | 4.5 x 26 mm Cannulated Headed Screw, Short Thread |
| 319-4528 | 4.5 x 28 mm Cannulated Headed Screw, Short Thread |
| 319-4530 | 4.5 x 30 mm Cannulated Headed Screw, Short Thread |
| 319-4532 | 4.5 x 32 mm Cannulated Headed Screw, Short Thread |
| 319-4534 | 4.5 x 34 mm Cannulated Headed Screw, Short Thread |
| 319-4536 | 4.5 x 36 mm Cannulated Headed Screw, Short Thread |
| 319-4538 | 4.5 x 38 mm Cannulated Headed Screw, Short Thread |
| 319-4540 | 4.5 x 40 mm Cannulated Headed Screw, Short Thread |
| 319-4542 | 4.5 x 42 mm Cannulated Headed Screw, Short Thread |
| 319-4544 | 4.5 x 44 mm Cannulated Headed Screw, Short Thread |
| 319-4546 | 4.5 x 46 mm Cannulated Headed Screw, Short Thread |
| 319-4548 | 4.5 x 48 mm Cannulated Headed Screw, Short Thread |
| 319-4550 | 4.5 x 50 mm Cannulated Headed Screw, Short Thread |
| 319-4555 | 4.5 x 55 mm Cannulated Headed Screw, Short Thread |
| 319-4560 | 4.5 x 60 mm Cannulated Headed Screw, Short Thread |
| 319-4565 | 4.5 x 65 mm Cannulated Headed Screw, Short Thread |
| 319-4570 | 4.5 x 70 mm Cannulated Headed Screw, Short Thread |



#### 4.5 mm Headed Long Thread Screws

|          |                                                  |
|----------|--------------------------------------------------|
| 319-4541 | 4.5 x 40 mm Cannulated Headed Screw, Long Thread |
| 319-4543 | 4.5 x 42 mm Cannulated Headed Screw, Long Thread |
| 319-4545 | 4.5 x 44 mm Cannulated Headed Screw, Long Thread |
| 319-4547 | 4.5 x 46 mm Cannulated Headed Screw, Long Thread |
| 319-4549 | 4.5 x 48 mm Cannulated Headed Screw, Long Thread |
| 319-4551 | 4.5 x 50 mm Cannulated Headed Screw, Long Thread |
| 319-4556 | 4.5 x 55 mm Cannulated Headed Screw, Long Thread |
| 319-4561 | 4.5 x 60 mm Cannulated Headed Screw, Long Thread |
| 319-4566 | 4.5 x 65 mm Cannulated Headed Screw, Long Thread |
| 319-4571 | 4.5 x 70 mm Cannulated Headed Screw, Long Thread |



#### Washer

**316-0325** 4.5 mm Screw Washer

# Small Fragment Base Set Features [continued]

## 2.7 mm Fragment Plates



**Fragment Plate 2.7 mm, 60 mm**  
(7010-0106N)



**L Fragment Plate 2.7 mm Right, 61 mm**  
(7010-0107R)



**L Fragment Plate 2.7 mm Left, 61 mm**  
(7010-0107L)



**T Fragment Plate 2.7 mm, 61 mm**  
(7010-0108N)

## Washers



**Cannulated Screw Washers**  
7.0 mm Outer Dimension (OD) x 3.6 mm Inner Dimension (ID)  
(7003-07036)

## 4.0 mm Cannulated Screw Surgical Technique [continued]

### 4 4.0 mm Cannulated Screw Placement

Remove the 4.0/4.5 mm Screw Sizer (80-2080) and slide the 2.7 mm Cannulated Drill, Quick Connect (80-2075) over the guide wire and through the 2.0/2.7 mm Drill Guide (80-2516) (Figure 71). Drill to the desired depth.

**Note:** If the guide wire becomes stuck in the cannulated drill following drilling, it may be removed using another guide wire from the system.

#### Optional Screw Insertion with Washer

Place the Cannulated Screw Washer 7.0 mm OD x 3.6 mm ID (7003-07036) onto the screw before insertion.

Connect the 2.5 mm Cannulated Hex Driver, Quick Connect (80-2073) to the Cannulated Quick Release Driver Handle, Large (80-2365) and insert the appropriate length 4.0 mm Cannulated Screw (300X-400XX) over the guide wire (Figure 78). The screw must lie with its threads completely beyond the fracture line to achieve the appropriate compression.

Confirm screw placement under fluoroscopy.

Closing and postoperative protocol are at the discretion of the surgeon.

Figure 77

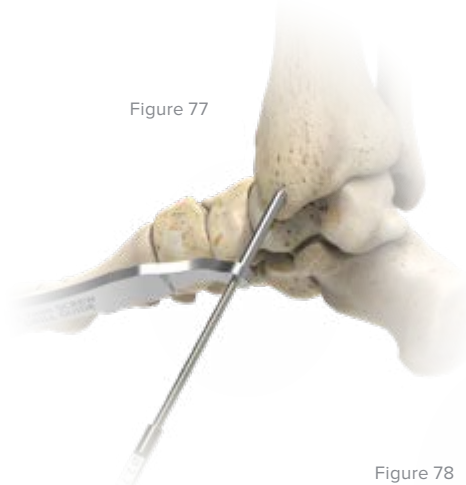
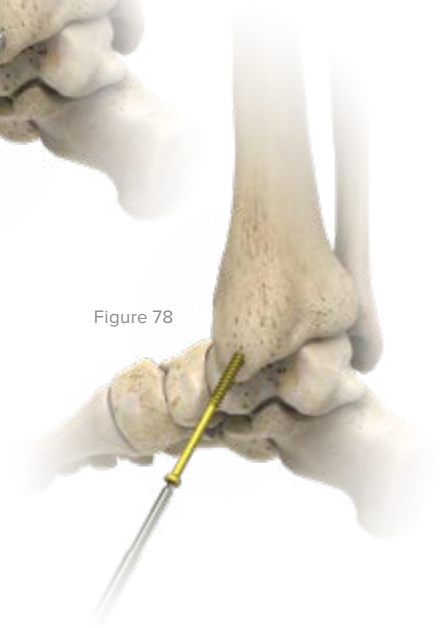


Figure 78



### 5 Removal

The cannulated screws are designed to be removed from the body when necessary. After surgically obtaining access to the head of the screw, use the 2.5 mm Cannulated Hex Driver, Quick Connect (80-2073) to remove the screw by engaging the driver tip within the hex recess in the screw head and turning counterclockwise.

**Note:** It may be necessary to clean out bony ingrowth from the head of the screw using a surgical pick or guide wire tip prior to inserting the driver tip.

Figure 79



Figure 80



4.0/4.5 mm  
Screw Sizer  
(80-2080)



2.7 mm Cannulated  
Drill, Quick Connect  
(80-2075)



2.0/2.7 mm  
Drill Guide  
(80-2516)



Cannulated Screw  
Washer 7.0 mm OD  
x 3.6 mm ID  
(7003-07036)



2.5 mm Cannulated  
Hex Driver, Quick  
Connect  
(80-2073)



Cannulated Quick  
Release Driver  
Handle, Large  
(80-2365)



4.0 mm  
Cannulated Screw  
(300X-400XX)

## Ordering Information [continued]

### Tray Components

#### Implants

|    |                                                  |            |
|----|--------------------------------------------------|------------|
| 1  | Hook Plate 2-Hole                                | 7007-0602  |
| 2  | Hook Plate 3-Hole                                | 7007-0603  |
| 3  | Locking Peg Hook Plate 2-Hole                    | 7007-0702  |
| 4  | Locking Peg Hook Plate 3-Hole                    | 7007-0703  |
| 5  | 2.3 mm x 26 mm<br>Locking Cortical Peg           | 3014-23026 |
| 6  | 2.3 mm x 36 mm<br>Locking Cortical Peg           | 3014-23036 |
| 7  | 2.3 mm x 46 mm<br>Locking Cortical Peg           | 3014-23046 |
| 8  | 4.0 mm x 36 mm Cannulated<br>Screw, Long Thread  | 3006-40036 |
| 9  | 4.0 mm x 42 mm Cannulated<br>Screw, Long Thread  | 3006-40042 |
| 10 | 4.0 mm x 48 mm Cannulated<br>Screw, Long Thread  | 3006-40048 |
| 11 | Cannulated Screw Washer<br>7.0 mm OD x 3.6 mm ID | 7003-07036 |

#### Instruments

|    |                                             |         |
|----|---------------------------------------------|---------|
| 12 | Hook Plate Reduction Handle Assembly        | 80-2317 |
| 13 | 1.5 mm Hex Driver Assembly                  | 80-2335 |
| 14 | 2.0 mm Locking Drill Guide/2.3 mm<br>Screws | 80-2331 |
| 15 | Syndesmosis Targeting Guide Assembly        | 80-2325 |

#### 4.0 mm Cannulated Screw Instruments

|    |                                                |         |
|----|------------------------------------------------|---------|
| 16 | 1.3 mm Non-threaded Guide Wire,<br>150 mm      | 80-2039 |
| 17 | 2.5 mm Cannulated Hex Driver,<br>Quick Connect | 80-2073 |
| 18 | 2.7 mm Cannulated Drill, Quick Connect         | 80-2075 |
| 19 | 4.0/4.5 mm Screw Sizer                         | 80-2080 |

Reference the Acumed Small Fragment Base Set Surgical Technique (TMA10-01) for the list of implants, instruments, and screws included within that set.

## Ordering Information [continued]

### Tray Components

#### 2 4.0 mm Cannulated Screw Long Thread Caddy

|                                              |            |                                              |            |
|----------------------------------------------|------------|----------------------------------------------|------------|
| 4.0 mm x 16 mm Cannulated Screw, Long Thread | 3006-40016 | 4.0 mm x 42 mm Cannulated Screw, Long Thread | 3006-40042 |
| 4.0 mm x 18 mm Cannulated Screw, Long Thread | 3006-40018 | 4.0 mm x 44 mm Cannulated Screw, Long Thread | 3006-40044 |
| 4.0 mm x 20 mm Cannulated Screw, Long Thread | 3006-40020 | 4.0 mm x 46 mm Cannulated Screw, Long Thread | 3006-40046 |
| 4.0 mm x 22 mm Cannulated Screw, Long Thread | 3006-40022 | 4.0 mm x 48 mm Cannulated Screw, Long Thread | 3006-40048 |
| 4.0 mm x 24 mm Cannulated Screw, Long Thread | 3006-40024 | 4.0 mm x 50 mm Cannulated Screw, Long Thread | 3006-40050 |
| 4.0 mm x 26 mm Cannulated Screw, Long Thread | 3006-40026 | 4.0 mm x 52 mm Cannulated Screw, Long Thread | 3006-40052 |
| 4.0 mm x 28 mm Cannulated Screw, Long Thread | 3006-40028 | 4.0 mm x 54 mm Cannulated Screw, Long Thread | 3006-40054 |
| 4.0 mm x 30 mm Cannulated Screw, Long Thread | 3006-40030 | 4.0 mm x 56 mm Cannulated Screw, Long Thread | 3006-40056 |
| 4.0 mm x 32 mm Cannulated Screw, Long Thread | 3006-40032 | 4.0 mm x 58 mm Cannulated Screw, Long Thread | 3006-40058 |
| 4.0 mm x 34 mm Cannulated Screw, Long Thread | 3006-40034 | 4.0 mm x 60 mm Cannulated Screw, Long Thread | 3006-40060 |
| 4.0 mm x 36 mm Cannulated Screw, Long Thread | 3006-40036 | 4.0 mm x 64 mm Cannulated Screw, Long Thread | 3006-40064 |
| 4.0 mm x 38 mm Cannulated Screw, Long Thread | 3006-40038 | 4.0 mm x 68 mm Cannulated Screw, Long Thread | 3006-40068 |
| 4.0 mm x 40 mm Cannulated Screw, Long Thread | 3006-40040 | 4.0 mm x 72 mm Cannulated Screw, Long Thread | 3006-40072 |

#### 3 4.0 mm Washer

|                                                  |            |
|--------------------------------------------------|------------|
| Cannulated Screw Washer<br>7.0 mm OD x 3.6 mm ID | 7003-07036 |
|--------------------------------------------------|------------|