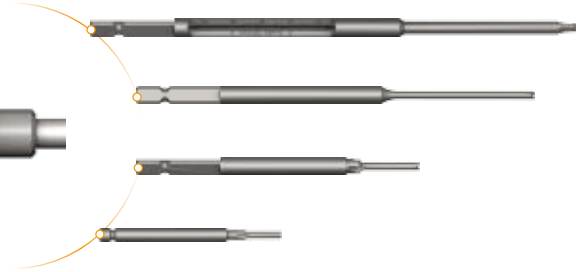




## INSTRUMENTS

Color coded modular handle with AO attachment.



## DESCRIPTION

Titanium screw  
diameters 3.0 mm and 4.3 mm.

- Self-drilling and self-tapping.
- Totally intra-osseous fixation.
- Large range of screw lengths.
- Variable lags designed specifically for extremity fixation.
- K-wire guided drilling and insertion.
- Manufactured from Titanium alloy:  
Ti-6Al-4V, ISO 5832-3 ASTM F136.
- Sterily packaged.

## INDICATIONS

**QWIX™ DIAM. 3.0 MM • QWIX™ DIAM. 4.3 MM**

These screws are indicated for fixation of bone fractures or for bone reconstruction:

- Mono or bi-cortical osteotomies in the foot.
- Fracture management in the foot.
- Fixation of bone fragments in long bone or small bone fractures.
- Arthrodesis in foot or ankle surgery.

The size of the chosen screw should be adapted to the specific indication.

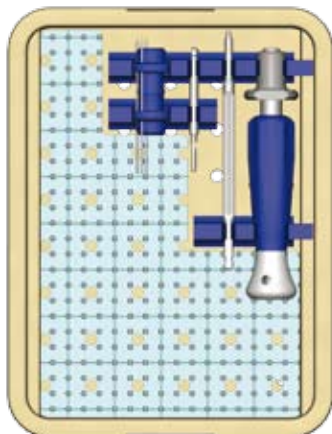
Other possible indications:

- Fracture management in the hand.
- Arthrodesis for hand surgery.
- Mono or bi-cortical osteotomy in the hand.



**QWIX™ DIAM. 3.0 MM**

REFERENCE	DESCRIPTION
111 310SND	L. 10 MM
111 312SND	L. 12 MM
111 314SND	L. 14 MM
111 316SND	L. 16 MM
111 318SND	L. 18 MM
111 320SND	L. 20 MM
111 322SND	L. 22 MM
111 324SND	L. 24 MM
111 326SND	L. 26 MM
111 328SND	L. 28 MM
111 330SND	L. 30 MM
111 332SND	L. 32 MM
111 334SND	L. 34 MM

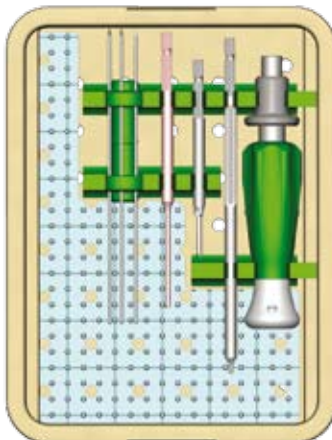


**INSTRUMENTS QWIX™ DIAM. 3 MM**

REFERENCE	DESCRIPTION
119 133ND	HANDLE WITH AO ATTACHMENT DIAM. 3.0 MM
119 135ND	DIAM. 3.0 MM SCREWDRIVER AXIS
159 007ND	DRILL WITH AO ATTACHMENT LG 70 MM DIAM. 2.2 MM
115 070ND	K-WIRE DIAM. 1.0 MM LG 70 MM
119 934ND	CYLINDER FOR SCREW DIAM. 3.0 MM
119 931ND	DIAM. 3.0 MM SCREW BASE
119 932ND	LID

**QWIX™ DIAM. 4.3 MM**

REFERENCE	DESCRIPTION
111 424SND	L. 24 MM
111 426SND	L. 26 MM
111 428SND	L. 28 MM
111 430SND	L. 30 MM
111 432SND	L. 32 MM
111 434SND	L. 34 MM
111 436SND	L. 36 MM
111 438SND	L. 38 MM
111 440SND	L. 40 MM
111 445SND	L. 45 MM
111 450SND	L. 50 MM
111 455SND	L. 55 MM
111 460SND	L. 60 MM



**INSTRUMENTS QWIX™ DIAM. 4.3 MM**

REFERENCE	DESCRIPTION
119 138ND	HANDLE WITH AO ATTACHMENT DIAM. 4.3 MM
119 104ND	DIAM. 4.3 MM SCREWDRIVER AXIS
119 139ND	SHORT DRILL FOR 4.3 MM
119 516ND	LONG DRILL FOR 4.3 MM
115 116ND	K-WIRE DIAM. 1.6 MM LG 150 MM
119 937ND	CYLINDER FOR SCREW DIAM. 4.3 MM
119 936ND	DIAM. 4.3 MM SCREW BASE
119 932ND	LID

Distributed by



- The products are manufactured and referenced within the frame of the standards in force.
- Implantation procedures are described in the surgical technique.
- Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.
- WARNING: Federal law (USA) restricts this device to sale by or on the order of a physician.

• See instructions for use

• Single use

• Sterile



STERILE R



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NS1199-08/06





## *Fixation Screw*





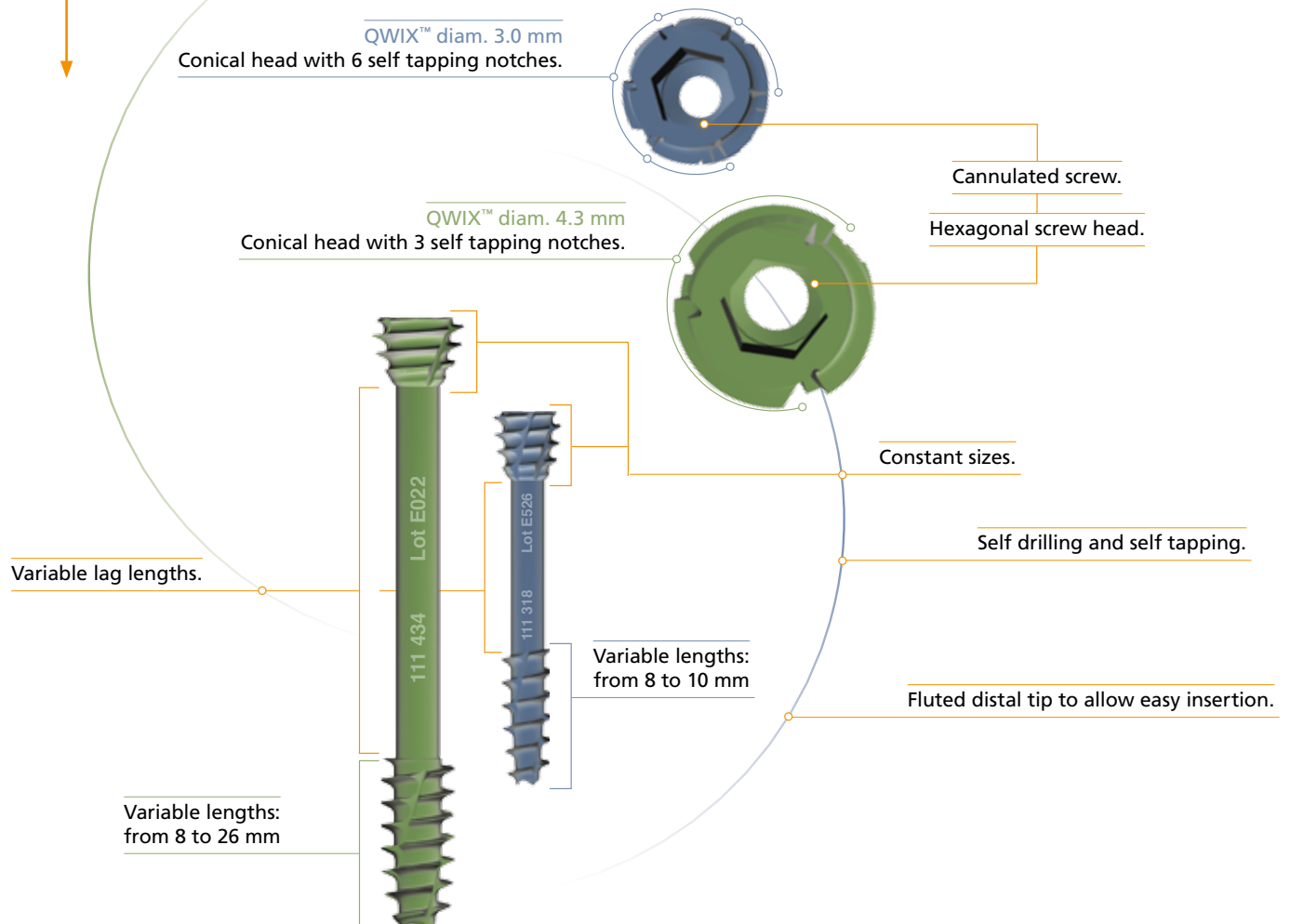
## RATIONALE

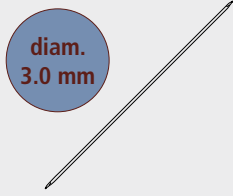
The QWIX™ fixation screws are designed to provide speed and precision for challenging surgical situations.

The QWIX™ screw's unique design allows:

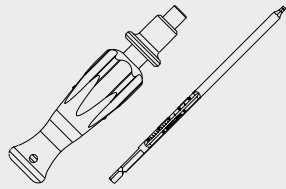
- Self-drilling and self-tapping insertion.
- Reproducible compression in various osteotomies and various fracture management sites.
- Variable lags to ensure compression across the osteotomy or fracture site.
- Accurate insertion with minimal soft tissue dissection.
- Precise percutaneous placement over a K-Wire.
- Two diameters (3.0 mm and 4.3 mm) to address multiple fixation and osteotomy sites.

## DETAILS

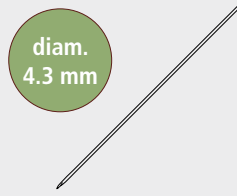




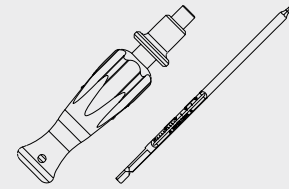
115 070<sup>ND</sup> ●  
K-wire diam. 1 mm  
L. 70 mm



119 133<sup>ND</sup> + 119 135<sup>ND</sup> ●  
Handle with AO attachment diam 3.0 mm  
+ Diam. 3.0 mm screwdriver axis



115 116<sup>ND</sup> ●  
K-wire diam. 1.6 mm  
L. 150 mm



119 138<sup>ND</sup> + 119 104<sup>ND</sup> ●  
Handle with AO attachment diam 4.3 mm  
+ Diam. 4.3 mm screwdriver axis

# QWIX™

## Fixation Screw

NEWDEAL™ as the manufacturer of this device, does not practice medicine and does not recommend this or any other surgical technique for use on a specific patient. The surgeon who performs any implant procedure is responsible for determining and using the appropriate techniques for implanting the device in each patient.

### Surgical technique

The QWIX™ screws and instrumentations are color coded :

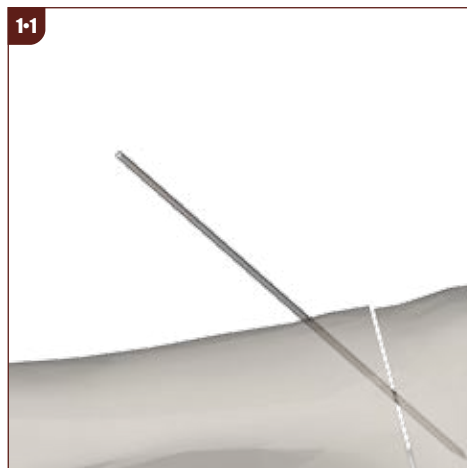
- ● Blue for 3.0 mm diameter screws.
- ● Green for 4.3 mm diameter screws.

The choice of instruments depends on the chosen screw size.

#### STEP 1 ● K-WIRE INSERTION

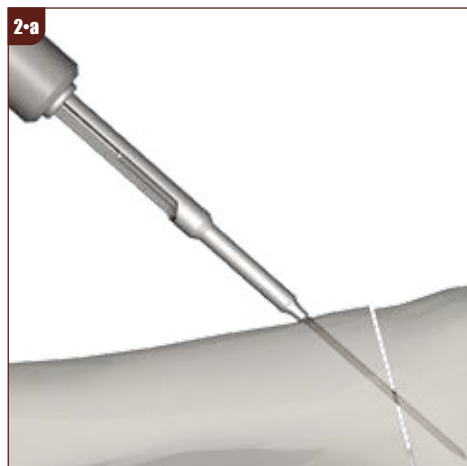
**1-1** Secure the bone fragments with a K-wire (115 070<sup>ND</sup> or 115 116<sup>ND</sup>). The position should be checked under fluoroscopy.

This K-wire guides the screw. Due to the atraumatic aspects of the K-wire, it can be withdrawn and replaced until the desired position is achieved.



#### STEP 2 ● MEASUREMENT

**2-a** Insert the appropriate cannulated screwdriver (115 135<sup>ND</sup> or 115 104<sup>ND</sup>) on the K-wire, and read the indicated screw length directly from the scale as shown in figure **2-b**.

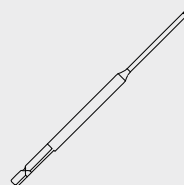




159 007<sup>ND</sup> ●  
Drill for 3.0 mm screw



119 319<sup>ND</sup> ●  
Short drill for 4.3 mm screw



119 516<sup>ND</sup> ●  
Long drill for 4.3 mm screw

### STEP 3 • OPTIONAL

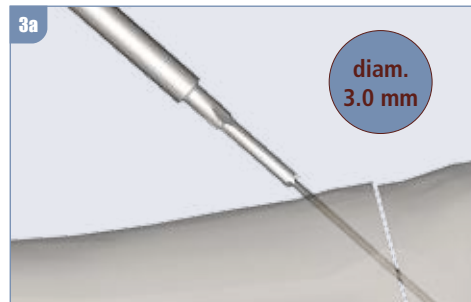
Although the QWIX™ screw is self-drilling and self-tapping in most bone, it may be necessary to drill the cortex in certain cases.

Depending on the selected screw, follow the appropriate procedures:

- **3a** is for diam. 3.0 mm QWIX™
- **3b** is for diam. 4.3 mm QWIX™

### STEP 3A • FOR DIAM. 3.0 MM SCREWS ONLY

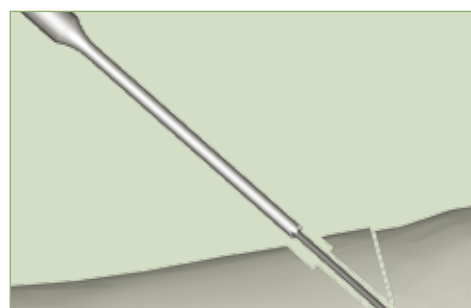
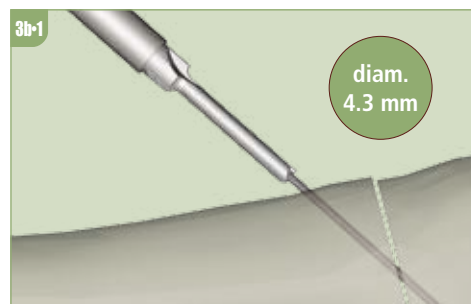
**3a** In case of hard/sclerotic bone, it may be necessary to prepare the cortex by power or manually with the 3.0 mm diameter drill (159 007<sup>ND</sup>).



### STEP 3B • FOR DIAM. 4.3 MM SCREWS ONLY

**3b-1** The short drill (119 319<sup>ND</sup>) is used to prepare the cortex for insertion of the screw head.

**3b-2** The long drill (119 516<sup>ND</sup>) is used to countersink the bone for insertion of the screw body. The drill is introduced over the K-wire and drilled to the desired depth.



### STEP 4 • SCREW INSERTION

**5-1** The screw is inserted with the cannulated screwdriver (115 103<sup>ND</sup> or 115 104<sup>ND</sup>).

QWIX™ screws may be inserted under power or by hand.

The head of the screw must be completely imbedded in the cortex to obtain optimal compression. Complete insertion is also recommended to prevent soft tissue irritation particularly on the dorsal aspect of the foot.

