

QWIX[®]

FIXATION SCREW



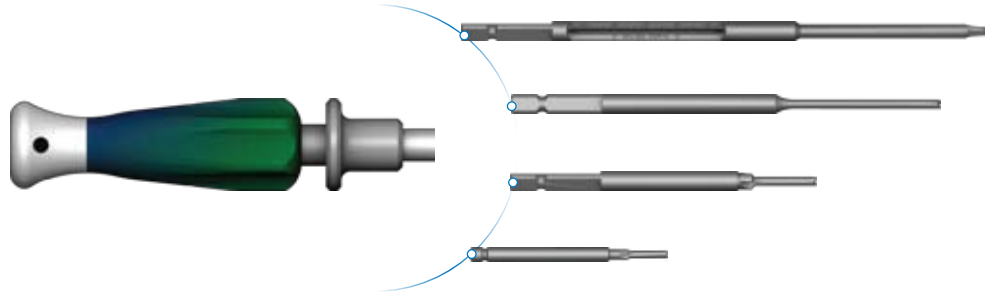
SURGICAL TECHNIQUE

LOWER
EXTREMITY
SOLUTIONS

 **INTEGRA[™]**
Extremity Reconstruction

Instruments

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.

Possible Indications

QWIX diam. 3.0 mm • QWIX diam. 4.3 mm

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

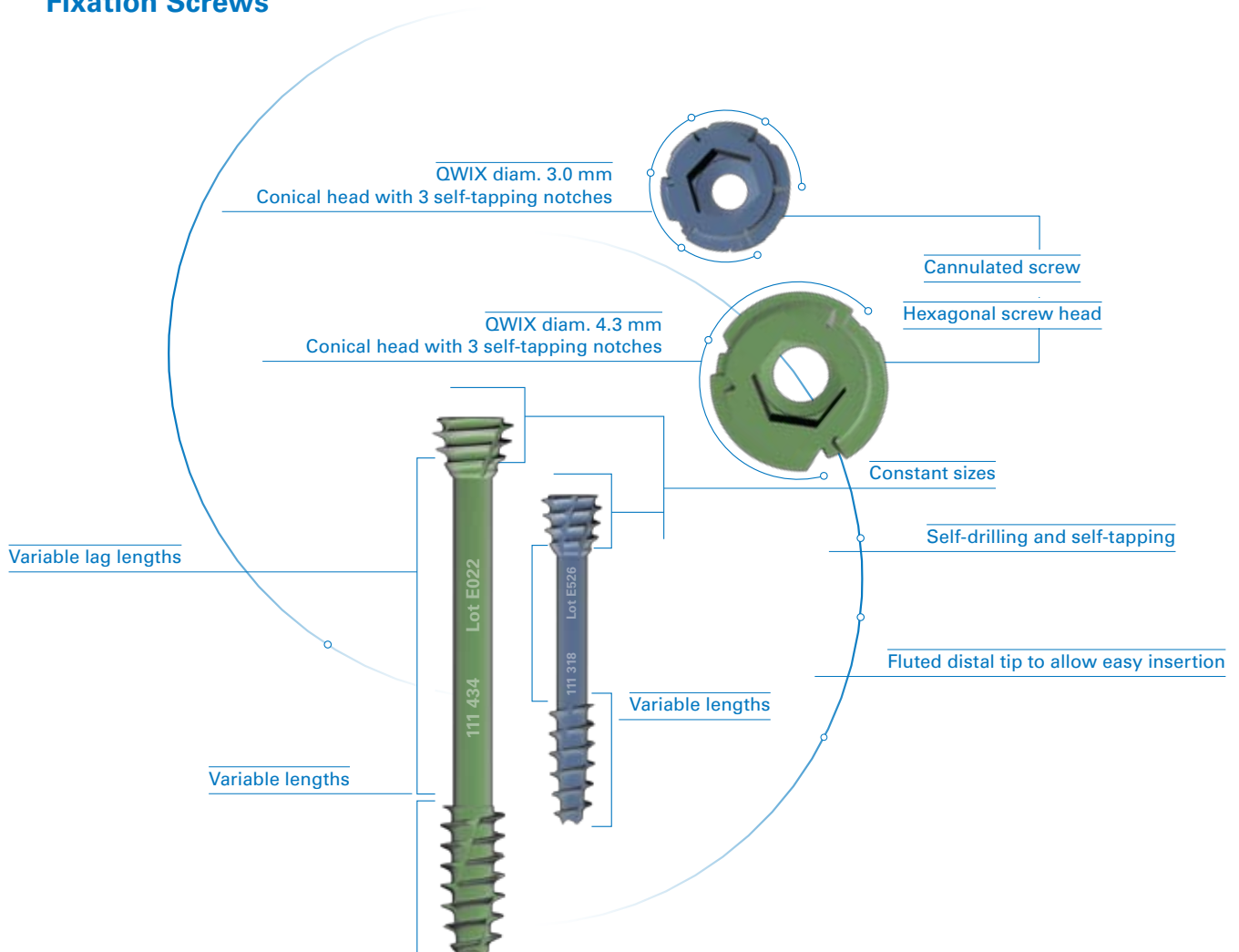
- Fracture management in the hand.
- Arthrodesis for hand surgery.
- Mono or bi-cortical osteotomy in the hand.

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.

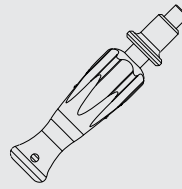
Fixation Screws



PREPARE



• 115 070ND / • 115 116ND
K-wire



• 119 133ND / • 119 138ND
Handle with AO attachment



• 119 135ND / • 119 104ND
Screwdriver axis

Surgical Technique



As the manufacturer of this device, Integra 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.

Patient positioning •

The LARGE QWIX screws and instrumentation are color coded :

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

Step 1 • K-Wire Insertion

- 1-1** Secure the bone fragments with a K-wire (115 070ND or 115 116ND). 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.



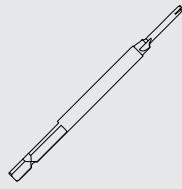
Step 2 • Measurement

- 2-1** Insert the appropriate cannulated screwdriver (119 135ND or 119 104ND) on the K-wire, and read the indicated screw length directly from the scale as shown in figure 2-2.

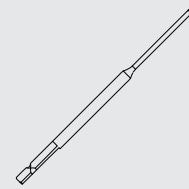




• 159 007ND
Drill



• 119 139ND
Short Drill



• 119 516ND
Long Drill

Step 3 • Optional

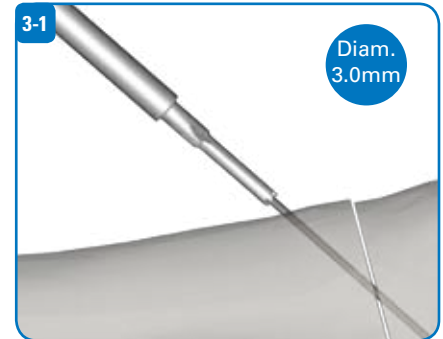
Although the QWIX screw is self-drilling and self-tapping in most bone, it may be necessary to drill the cortex in certain cases.

Depending on the selected screw, follow the appropriate procedures:

- 3-1 is for diam. 3.0 mm QWIX
- 3-2a is for diam. 4.3 mm QWIX

3-1 For Diameter 3.0mm Screws Only

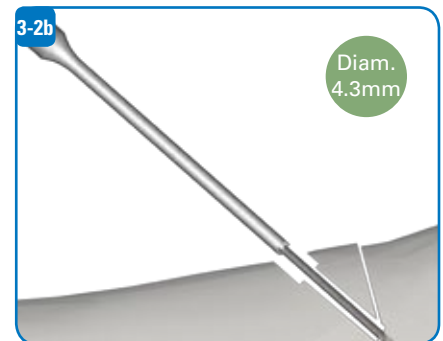
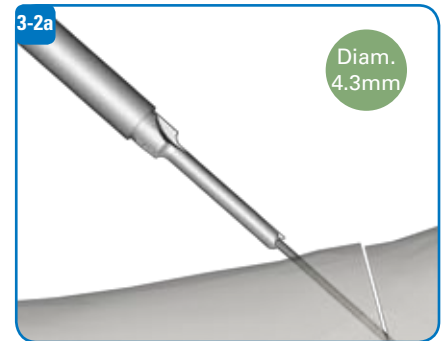
In case of hard/sclerotic bone, it may be necessary to prepare the cortex by power or manually with the 3.0 mm diameter drill (159 007ND).



3-2 For Diameter 4.3mm Screws Only

3-2a The short drill (119 139ND) is used to prepare the cortex for insertion of the screw head.

3-2b The long drill (119 516ND) 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

4-1 The screw is inserted with the cannulated screwdriver (119 135ND or 119 104ND).

QWIX screws may be inserted under power or by hand.

The head of the screw must be completely embedded 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.



QWIX®

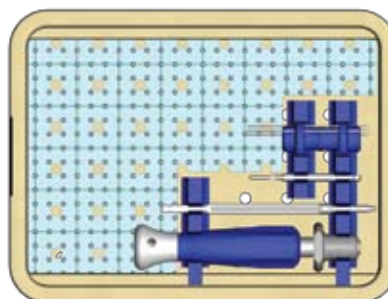
FIXATION SCREW

3.0mm Qwix Fixation Screw

Sterile	Length
111 310 SND	10 mm
111 312 SND	12 mm
111 314 SND	14 mm
111 316 SND	16 mm
111 318 SND	18 mm
111 320 SND	20 mm
111 322 SND	22 mm
111 324 SND	24 mm
111 326 SND	26 mm
111 328 SND	28 mm
111 330 SND	30 mm
111 332 SND	32 mm
111 334 SND	34 mm

3.0mm Qwix Instrumentation

Reference	Description
119 133ND	Handle with AO Attachment Diam. 3.0mm
119 135ND	Diam. 3.0mm Screwdriver Axis
159 007ND	Drill with AO Attachment LG 70mm Diam. 2.2mm
115 070ND	K-Wire Diam. 1.0mm LG 70mm
119 934ND	Cylinder for Screw Diam. 3.0mm
119 931ND	Diam. 3.0mm Screw Base
119 932ND	Lid

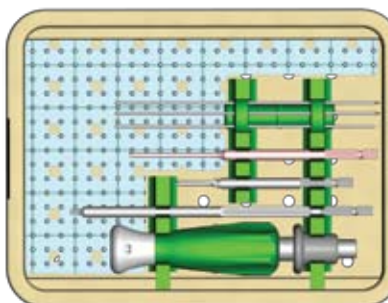


4.3mm Qwix Fixation Screw

Sterile	Length
111 424 SND	24 mm
111 426 SND	26 mm
111 428 SND	28 mm
111 430 SND	30 mm
111 432 SND	32 mm
111 434 SND	34 mm
111 436 SND	36 mm
111 438 SND	38 mm
111 440 SND	40 mm
111 445 SND	45 mm
111 450 SND	50 mm
111 455 SND	55 mm
111 460 SND	60 mm

4.3mm Qwix Instrumentation

Reference	Description
119 138ND	Handle with AO Attachment Diam. 4.3mm
119 104ND	Diam. 4.3mm Screwdriver Axis
119 139ND	Short Drill for 4.3mm
119 516ND	Long Drill for 4.3mm
115 116ND	K-Wire Diam. 1.6mm LG 150mm
119 937ND	Cylinder for Screw Diam. 4.3mm
119 936ND	Diam. 4.3mm Screw Base
119 932ND	Lid



INTEGRA™
Extremity Reconstruction

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