

Integra™

Large Qwix® - Fixation and Positioning Screw

SURGICAL TECHNIQUE



INTEGRA™
LIMIT UNCERTAINTY

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Indications

The Integra™ Large QWIX® screw is indicated for fixation of bone fractures or for bone reconstruction.

Examples include:

- 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.

Contraindications

The implant should not be used in a patient who has currently, or who has a history of:

- Local or systemic acute or chronic inflammation
- Active infection or inflammation
- Suspected or documented metal allergy or intolerance

Description

Titanium screw diameters 5.5mm and 7.5mm.

- Self-drilling and self-tapping
- Completely intra-osseous fixation
- Optional K-wire guided drilling and insertion, minimal soft tissue irritation
- Large range of screw lengths:
 - 5.5mm diameter: lengths 30–80mm in 5mm increments
 - 7.5mm diameter: lengths 40–120mm in 5mm increments

2 designs:

- Partially-threaded fixation screw
- Fully-threaded positioning screw
- Manufactured from Titanium alloy: Ti-6Al-4V, ISO 5832-3 ASTM F136

The Integra™ Large QWIX® screws were designed to provide speed and precision for challenging surgical situations in extremity fixation.

*See package insert for full prescribing information

Instruments

Modular handle with AO attachment.



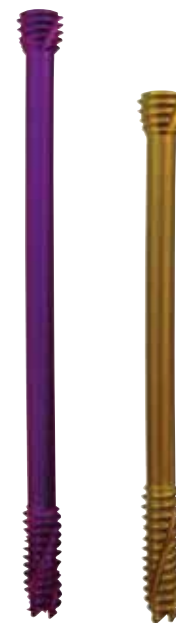
Fixation Screws



QWIX® 5.5 and 7.5*

Note:

*QWIX® 5.5 and 7.5 are designed with self-drilling flutes, but bone hardness can greatly vary by patient and anatomic area. The surgeon is responsible for assessing this hardness before using the self-drilling feature of the QWIX® screws. Pre-drilling is advisable for dense or hard bone.



- Self-drilling and self-tapping*
- Fluted distal tip allow easy insertion
- Variable Lag Lengths
- Variable Lengths
- Constant Sizes

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 procedure is responsible for determining and using the appropriate techniques for using the device in each patient.

Patient positioning

The Integra™ Large QWIX® screws and instrumentation are color coded:

● Yellow for 5.5mm screws

● Purple for 7.5mm screws

Step 1 • Positioning Guide Pin

- 1-1** A 1.6 or 2.5mm (115 516ND / 529 061ND) K-wire should be introduced to achieve temporary fixation and maintain alignment. A drill guide (119 151ND / 119 152ND / 119 153ND) and soft tissue protector (119 151ND / 119 172ND / 119 173ND) is offered to prevent entrapment of the soft tissues during insertion.

(Note: The use of x-rays is recommended to check the positioning and depth of the k-wire.)



Step 2 • Screw Length Measurement

- 2-1** The measuring device is graduated in accordance with the various K-wires included within the set.

The measuring device should be placed along the K-wire such that the tip is in contact with the surgical site. The appropriate screw length is determined directly from the measuring device on the side marked. «K-wire 200mm/ K-wire 250mm»

(Note: The measurement taken from the measuring device is directly related to the positioning of the guide pin and therefore, is not considered accurate unless the guide pin is positioned correctly. The surgeon may decide to add or deduct a few millimeters depending on the position of the guide pin and the desire to obtain mono or bi-cortical fixation.)



Step 3 • Bone Preparation

Once the 1.6 / 2.5mm diameter K-wire is in place, the drills are used to prepare for insertion of the screw. Although the Integra™ Large QWIX® screws are self-drilling and self-tapping, pre-drilling is recommended, in the case of sclerotic bone.

Bone Preparation - Mono-cortical fixation

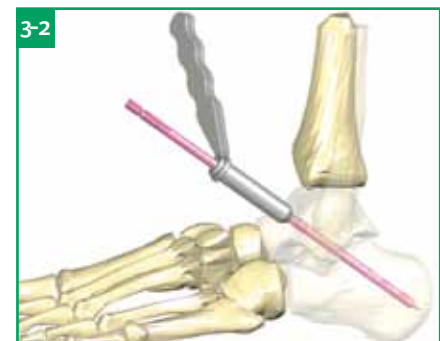
- 3-1** The short cannulated drill (119 155ND / 119 175ND) is attached to the T-handle (119 177ND) or surgical power driver to prepare a hole for the head of the screw. An external protection sleeve is provided for the soft tissues during this stage (119 153ND / 119 173ND).

(Note: The drill has three markings, «30/45/90 degrees», which correspond to the top of the protective sleeve. If the desired screw will be placed at a 90 degree angle relative to the bone surface, it is recommended to drill until the 90 degree marker on the drill reaches the top of the protective sleeve. The same applies if you are placing the screw at 30 and 45 degrees relative to the bone surface.)



Bone Preparation - Bi-cortical fixation

- 3-2** Following step 3.1, it is recommended that a long drill (119 154ND / 119 174ND) be used for bi-cortical fixation to prepare the distal cortex for introduction of the screw. The long drill is introduced over the guide wire and should be inserted until the far cortex is prepared. In order to confirm proper screw length, the long drill is graduated, allowing the screw length to be determined from the drill at the bone surface closest to the protection sleeve.



Step 4 • Screw Insertion

- 4-1** Following proper bone preparation, the Integra™ Large QWIX® screw can be introduced over the guide pin with a cannulated Hex screwdriver (119 156ND / 119 176ND) and T-handle or straight handle (529 061ND)

(Note: The head of the screw should be flush with the outer cortex upon final placement.)




Integra™

Large Qwix® - Fixation and Positioning Screw


5.5mm QWIX® Fixation Screw

Catalog Number	Description
111 530SND	30mm
111 535SND	35mm
111 540SND	40mm
111 545SND	45mm
111 550SND	50mm
111 555SND	55mm
111 560SND	60mm
111 565SND	65mm
111 570SND	70mm
111 575SND	75mm
111 580SND	80mm




5.5mm QWIX® Positioning Screw

Catalog Number	Description
121 530SND	30mm
121 535SND	35mm
121 540SND	40mm
121 545SND	45mm
121 550SND	50mm
121 555SND	55mm
121 560SND	60mm
121 565SND	65mm
121 570SND	70mm
121 575SND	75mm
121 580SND	80mm




7.5mm QWIX® Fixation Screw

Catalog Number	Description
111 740SND	40mm
111 745SND	45mm
111 750SND	50mm
111 755SND	55mm
111 760SND	60mm
111 765SND	65mm
111 770SND	70mm
111 775SND	75mm
111 780SND	80mm
111 785SND	85mm
111 790SND	90mm
111 795SND	95mm
111 800SND	100mm
111 805SND	105mm
111 810SND	110mm
111 815SND	115mm
111 820SND	120mm



7.5mm QWIX® Positioning Screw

Catalog Number	Description
121 740SND	40mm
121 745SND	45mm
121 750SND	50mm
121 755SND	55mm
121 760SND	60mm
121 765SND	65mm
121 770SND	70mm
121 775SND	75mm
121 780SND	80mm
121 785SND	85mm
121 790SND	90mm
121 795SND	95mm
121 800SND	100mm
121 805SND	105mm
121 810SND	110mm
121 815SND	115mm
121 820SND	120mm



Instrumentation

Catalog Number	Description
115 516ND	K-wire diam. 1.6 mm / L. 200 mm
119 150ND	Measurer 200 and 250 mm
119 151ND	Internal protection sleeve for 5.5 mm screws
119 152ND	Drilling guide for 5.5 mm screws
119 153ND	External protection sleeve for 5.5 mm screws
119 154ND	Cannulated drill diam. 4.2-1.8 mm / L. 180 mm
119 155ND	Short cannulated drill for 5.5 mm screws
119 156ND	Hex screwdriver 3 mm
119 170ND	Cylinder

Catalog Number	Description
119 171ND	Internal protection sleeve for 7.5 mm screws
119 172ND	Drilling guide for 7.5 mm screws
119 173ND	External protection sleeve for 7.5 mm screws
119 174ND	Cannulated drill diam. 5.5-2.7 mm / L. 210 mm
119 175ND	Short cannulated drill for 7.5 screws
119 176ND	Hex screwdriver 4 mm
119 177ND	T-handle quick coupling
119 157ND	Straight handle quick coupling
529 061ND	K-wire diam. 2.5 mm / L. 250 mm

121 950ND	Instrumentation set, composed of:
121 951ND	Stainless steel rack (Base)
996 200ND	Lid

For more information or to place an order, please contact:
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 877-444-1122 USA ■ 609-936-5400 outside USA ■ 866-800-7742 fax
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