

# Ti-KNOT®

Titanium Suture Fastening Technology

Designed for the approximation of soft tissue,  
*Ti-KNOT®* delivers strong, secure, and  
reliable fasteners in minimally  
invasive procedures.

**STRONG  
SECURE  
RELIABLE**



**L**SOLUTIONS®

# To Tie or NOT to Tie...

## **Ti-KNOT**<sup>®</sup>

Titanium Suture Fastening Technology

Laparoscopic knot tying is considered to be one of the most challenging skills to master in minimally invasive surgery. The *Ti-KNOT*<sup>®</sup> *DEVICE* offers an alternative to laparoscopic knots. With One Squeeze<sup>®</sup> technology, the *Ti-KNOT*<sup>®</sup> *DEVICE* secures a *Ti-KNOT*<sup>®</sup> *FASTENER* around the suture and trims the tails in seconds, all while providing excellent tactile feedback<sup>1</sup> when approximating soft tissue. Over the past 21 years more than 1.79 million titanium fasteners have been sold and proven to be as strong, secure, and reliable as laparoscopic knots<sup>2,3</sup>.

### **STRONG**

*Ti-KNOT*<sup>®</sup> *FASTENERS* are made from high grade surgical titanium and have been shown to be well above the minimum required USP knot-pull tensile strength<sup>2</sup>.

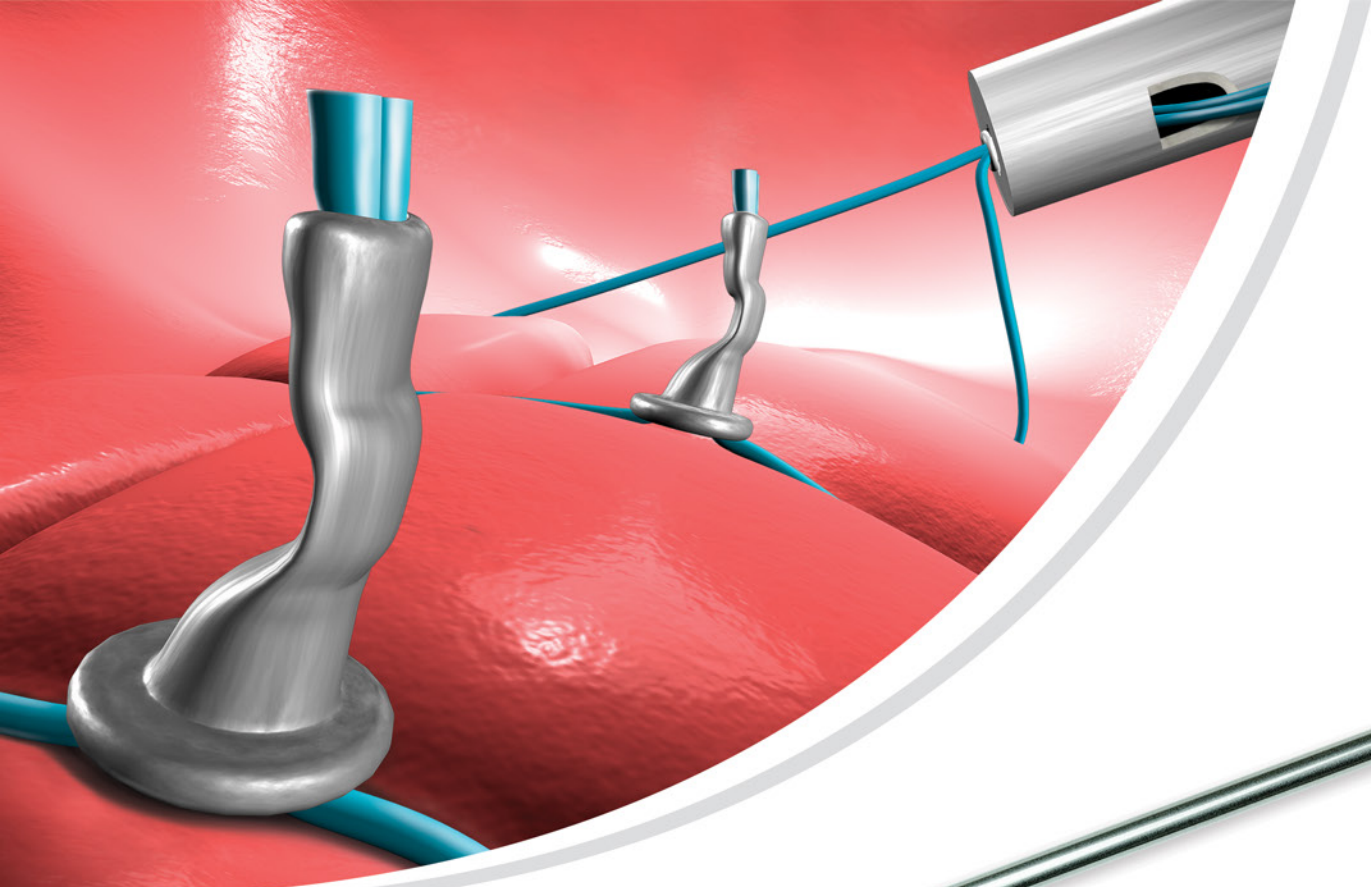


### **SECURE**

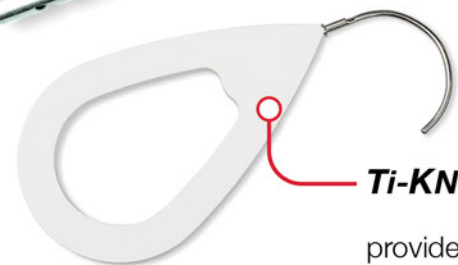
A crimped *Ti-KNOT*<sup>®</sup> *FASTENER* provides suture security with optimal placement and desired tension.

### **RELIABLE**

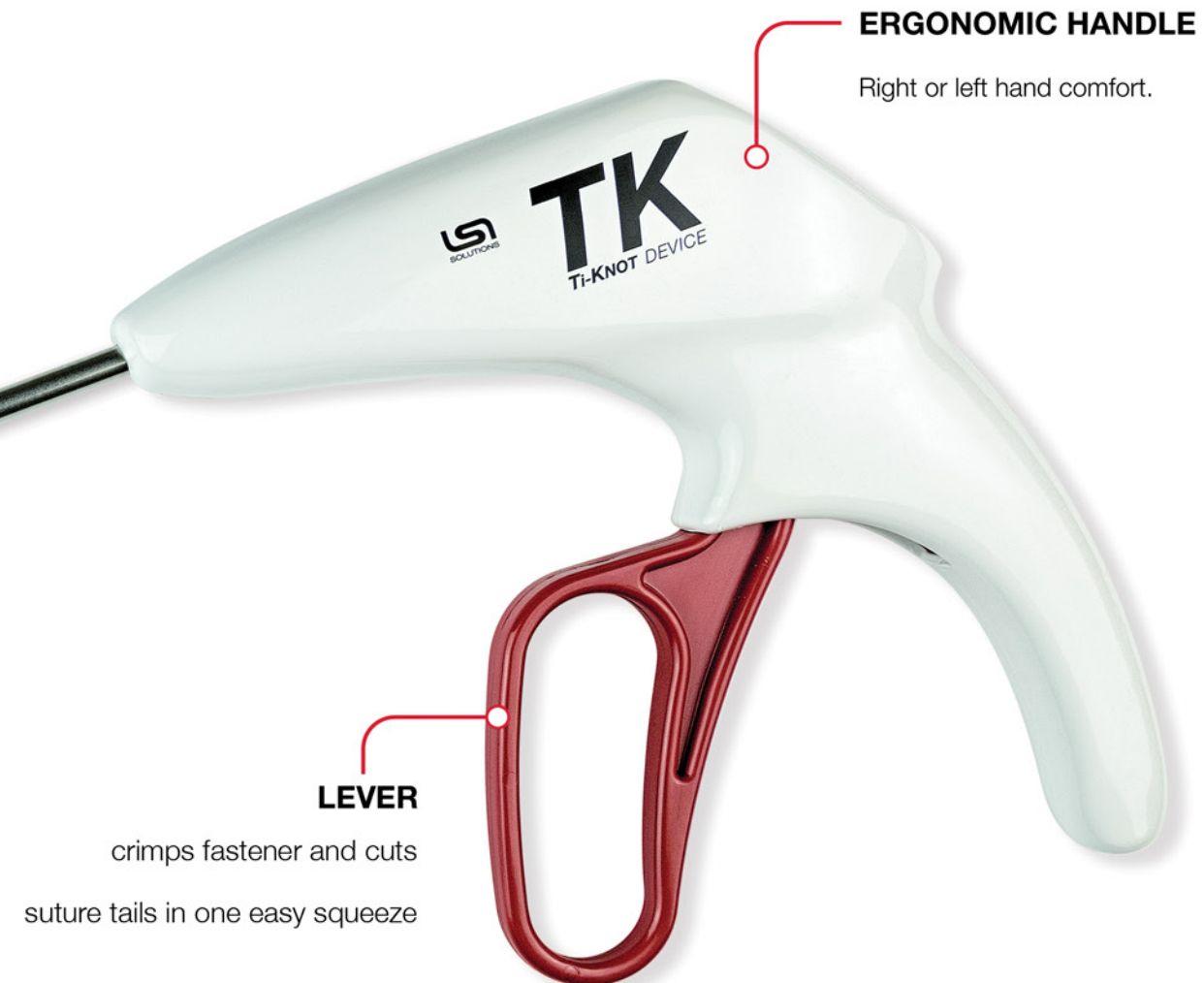
*Ti-KNOT*<sup>®</sup> *FASTENERS* have demonstrated how reliable they are over the past 21 years with more than 1.79 million fasteners sold.



**5MM, 31CM LONG SHAFT**  
 Optimized for remote suture fastening during minimally invasive procedures

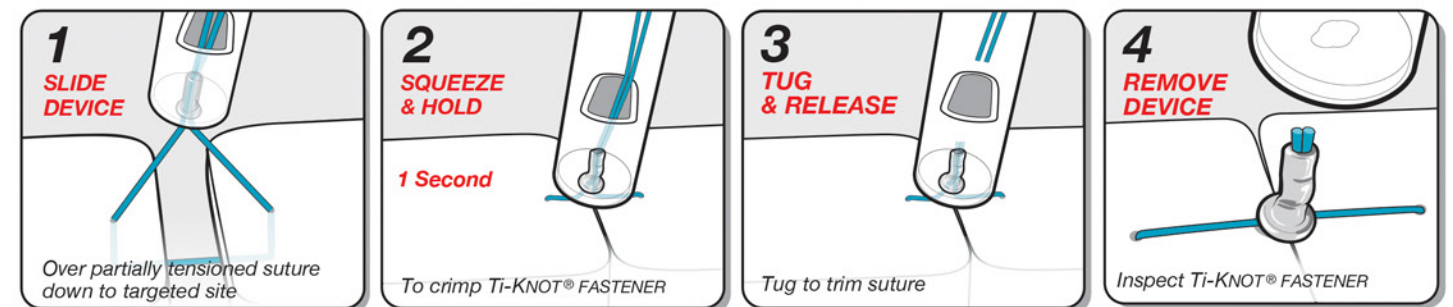


**Ti-KNOT® QUICK LOAD UNIT**  
 provides a rapid, easy, and reliable way to load a Ti-KNOT® FASTENER





**ERGONOMIC HANDLE**  
 Right or left hand comfort.

**LEVER**  
 crimps fastener and cuts suture tails in one easy squeeze





Faster than hand-tying<sup>4</sup> | Short learning curve | Provides tactile feedback

**U.S.**

| TK PRODUCT ORDERING  |            | SUPPLIED: STERILE           | INDIVIDUALLY PACKAGED       |
|--|------------|-----------------------------|-----------------------------|
|  | REORDER    | PRODUCT                     | DESCRIPTION                 |
|  x 6  | REF 030404 | <b>TK® Ti-KNOT® DEVICE</b>  | Box of 6 DEVICES            |
|  x 12 | REF 030510 | <b>TK® QUICK LOAD® UNIT</b> | Box of 12 QUICK LOAD® UNITS |

**OUTSIDE U.S.**

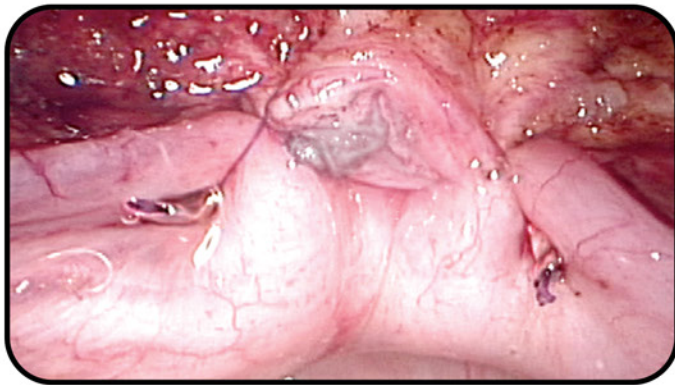
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|  x 6  | REF 032495 | <b>TK® Ti-KNOT® DEVICE</b>  | Box of 6 DEVICES            |
|  x 12 | REF 032496 | <b>TK® QUICK LOAD® UNIT</b> | Box of 12 QUICK LOAD® UNITS |

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EC REP

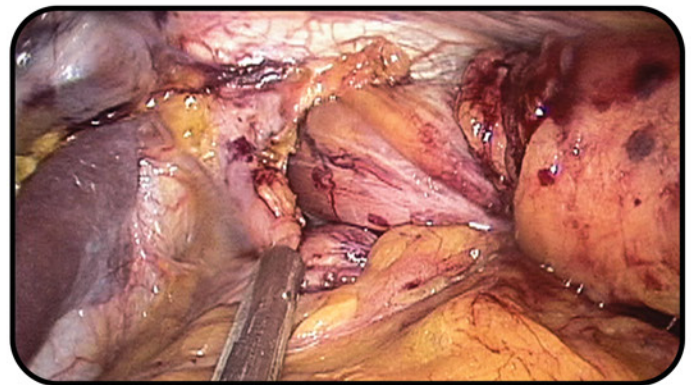


EMERGO EUROPE  
Prinsessegracht 20  
2514 AP The Hague  
The Netherlands



**VAGINAL CUFF CLOSURE**

Titanium fasteners used to secure suture in a TLH



**CRURAL CLOSURE**

*Ti-KNOT® DEVICE* used to approximate crura in a Nissen Fundoplication

**REFERENCES**

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- Rodriguez R. Clinical outcomes of patients more than one year after minimally invasive MV repair and replacement surgery with sutures secured using automated titanium fasteners. ISMICS 2013 Abstract.
- Bhamidipati CM. Titanium knot fasteners in minimally invasive aortic valve replacement affect outcomes. ISMICS 2015 Poster.



7796 VICTOR-MENDON RD | VICTOR, NY 14564 USA | CUSTOMER SERVICE: +1.866.575.3493 | TECH SUPPORT: +1.866.428.9092 | FAX: +1.585.742.8086 | WWW.LSISOLUTIONS.COM

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