**ENDOPATH XCEL® Bladeless Trocars**

### Optical Entry
- Visualization is optically guided by a 0° endoscope
- Enables visualization of tissue layers during insertion

### Durable Universal Seal
- No reducer caps needed
- Maintains insufflation
- Accommodates a wide range of instrument sizes (4.7mm to 12.9mm)

### Funnel Lead-In
- Enables smooth, one-handed instrument exchange

### Release Lever
- Unlocks housing to facilitate large specimen removal

### Camera Scope-Locking Tab
- Holds camera locked in place during visually guided entry
- Helps provide visual clarity and protects camera from scratching or falling out

### Recessed Stopcock Valve
- Mitigates inadvertent opening/closing of valve during surgery

### Low-Profile Housing
- Enables further instrument reach

### Integrated Stability Thread Design
- Maximizes abdominal wall retention for minimal trocar slip-outs

### Bladeless Optical Tip
- Reduced need for fascial closure\(^1,2\)
- May result in a low port site herniation rate\(^2\)
- Separates, rather than cuts, along tissue fibers, pushing tissue and vessels away
- Reduced risk of abdominal wall vasculature injuries with bleeding complications\(^3\)

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**More Options — More Value**

At Ethicon, we recognize that not all ports require the same level of trocar functionality. We offer the flexibility to choose the trocar for the right level of performance, when and where it’s needed.

- **ENDOPATH XCEL Trocars with OPTIVIEW® Technology for camera ports**
- **ENDOPATH XCEL Trocars for working ports**
- **ENDOPATH BASX® Trocars for retraction ports**

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**References**

1. A review published in 2011 evaluated prospective and retrospective case series, randomized trials, literature reviews and randomized animal studies of trocar hernias on abdominal wall defects from gynecologic, urologic, and general surgery literature and concluded that the evidence did not support routine closure of paramedian defects when a blunt tip trocar is used.
3. In a systematic review and meta-analysis of RCTs that compared the clinical use of blunt tip and bladed trocars, significant injury of the abdominal wall vasculature with bleeding complication was reported in 13 of 497 patients (2.6%) of the blunt trocar group and in 38 of 421 patients (9.0%) of the bladed trocar group (p=0.020). Antoniou S, Antoniou G, Kech O, et al. Blunt vs Bladed Trocars in Laparoscopic Surgery: A Systematic Review and Meta-Analysis of Randomized Trials. Surg Endosc. 2013, 27(1): 2312-2320.
Bladeless Trocars

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Instruments per Sales Unit: 6

Universal Sleeves

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How to Order

All purchase orders are made to Johnson & Johnson Health Care Systems, Inc. (JHCS) or your authorized distributor.

Electronic Ordering Options
(Note: Placing orders electronically avoids minimum order fees for your hospital.)

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For questions about your order, visit the website or call 1-866-JNJ-GATE (565-4283).

For questions about your order, visit the website or call 1-800-YOUR-GHX (968-7449).

Electronic Data Interchange (EDI): JHCS EDI Help Line: 1-800-262-2888

Nonelectronic/Manual Ordering Options
Call JHCS at 1-800-255-2500 between 8:30 a.m. and 9:00 p.m. Eastern Standard Time or fax your order to 1-732-562-2212.

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For product use assistance, clinical guidelines, service and repair, emergency assistance, copy of a 510(k) clearance letter or complaints, please contact our Customer Support Center at customersupport@eesus.jnj.com or by calling 1-877-ETHICON (384-4266).
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