Value Analysis Summary
ENSEAL® X1 Large Jaw
ENSEAL® X1 Large Jaw

Executive overview

Introducing ENSEAL® X1 Large Jaw

Compared to LigaSure Impact™, ENSEAL® X1 Large Jaw offers better sealing.

- Better hemostasis
- Better tissue management
- Better design
ENSEAL® X1 Large Jaw

Executive overview

- Single-handed 360° rotation
- Separate seal-and-cut functionality
- Curved, 38 mm jaw length
- Ergonomic pistol grip
ENSEAL® X1 Large Jaw

Product overview

Better hemostasis¹ + Better tissue management² + Better design³

With a larger distal electrode surface area,⁴ ENSEAL® X1 Large Jaw had **88% less bleeding in thick tissue** compared to LigaSure Impact™.¹

LigaSure Impact™  

ENSEAL® X1 Large Jaw
ENSEAL® X1 Large Jaw

Product overview

Enabled by Adaptive Tissue Technology, ENSEAL® X1 Large Jaw had **41% less thermal spread** compared to LigaSure Impact™.²

*Thermal imaging of jaws under IR camera.

Results may vary. The above image represents the respective devices being used on porcine mesentery after a single activation that lasted approximately eight seconds.
ENSEAL® X1 Large Jaw

Product overview

ENSEAL® X1 Large Jaw offers an overall better design compared to LigaSure Impact™.³

- Convenient control placement is designed for less hand movement⁵
- 360° shaft rotation is designed to improve access to targeted tissue⁶
ENSEAL® X1 Large jaw can be used in a variety of open procedures

ENSEAL® X1 Large Jaw is intended for use during open surgery to cut and seal vessels, and to cut, grasp, and dissect tissue.

Indications for use include open general, gynecologic, urologic, thoracic, and vascular procedures. These procedures include hysterectomies, colectomies, Nissen fundoplication, adhesiolysis, oophorectomies, etc.

The devices can be used on vessels (arteries, veins, pulmonary vasculature, lymphatics) up to and including 7 mm, and tissue bundles.
Adaptive Tissue Technology: The intelligence behind ENSEAL® X1

Adaptive Tissue Technology, powered by the Ethicon GEN11 Generator, uses an advanced algorithm for intelligent and efficient energy delivery. In ENSEAL® X1 devices, it continuously:

- **Senses** changes in tissue and device conditions
- **Responds** with the optimal amount of energy
- **Delivers** precision and efficiency

![Diagram showing the intelligence of Adaptive Tissue Technology]
ENSEAL® X1 Large Jaw

An alternative to existing surgical instruments

ENSEAL® X1 Large Jaw is compatible with the existing Ethicon GEN11 Generator and can replace other products on the shelf or provide an alternative to existing Ethicon advanced bipolar devices.

LigaSure Impact™
LF4318, LF4418

LigaSure Atlas™
LS1020

ENSEAL® G2 Super Jaw
NSEALX22L
ENSEAL® X1 Large Jaw

Ordering information

All ENSEAL® X1 Large Jaw purchase orders are made to Johnson & Johnson Healthcare Care Systems, Inc. (JJHCS).

Electronic ordering options

**Note:** Placing orders electronically avoids minimum order fees for hospitals.

- Johnson & Johnson Gateway
  Visit [jnjgateway.com](http://jnjgateway.com) or call 1-866-JNJ-GATE.

- Global Healthcare Exchange
  Visit [ghx.com](http://ghx.com) or call 1-866-YOUR-GHX.

- Electronic Data Interchange
  Call JJHCS Help Line: 1-800-262-2888.

Nonelectronic/manual ordering options

Call JJHCS at 1-800-255-2500 (option 1) between 8:30 am and 8:00 pm Eastern time or fax your order to 1-732-562-2212.

Customer support

For more information or product support, call 1-877-ETHICON or visit [ENSEAL.com/X1](http://ENSEAL.com/X1).

See Instructions for Use for complete product details.

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
<th>QUANTITY/SALES UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSLX120L</td>
<td>ENSEAL® X1 Large Jaw</td>
<td>6</td>
</tr>
</tbody>
</table>

ENSEAL® X1 Large Jaw is supplied sterile for single-patient use. It is compatible with the existing Ethicon GEN11 Generator.
ENSEAL® X1 Large Jaw

References

1. Preclinical test of distal tip bleeding (ENSEAL® vs Impact-LF4318) in thick porcine mesentery base ($p<0.001$). (C2169).

2. Preclinical testing on porcine carotids (ENSEAL® vs Impact-LF4318) that measured mean max lateral thermal damage via histology ($p=0.005$). (C2155).

3. (C2114).

4. (C2166).

5. (C2160).

6. (C2158).

7. (C2122).