Seal better.
ENSEAL® X1 Large Jaw
ENSEAL® X1 Large Jaw

Better sealing

Designed for use in open surgical procedures, ENSEAL® X1 Large Jaw is an advanced bipolar device that provides less bleeding,\(^1\) less thermal spread,\(^2\) and better ergonomics\(^3\) compared to LigaSure Impact™.

- single-handed 360° rotation
- separate seal-and-cut functionality
- ergonomic pistol grip
- curved, 38 mm jaw length
ENSEAL® X1 Large Jaw offers better sealing

Better hemostasis¹ + Better tissue management² + Better design³
ENSEAL® X1 Large Jaw offers better sealing

Better hemostasis\(^1\) + Better tissue management\(^2\) + Better design\(^3\)

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™](image1)
![ENSEAL® X1 Large Jaw](image2)
**ENSEAL® X1 Large Jaw** offers better sealing

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

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**Thermal jaw imaging comparison***

*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 offers better sealing

Better hemostasis¹ + Better tissue management² + Better design³

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

Key Indications

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

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<th>PRODUCT CODE</th>
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<td>NSLX120L</td>
<td>ENSEAL® X1 Large Jaw</td>
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- ENSEAL® X1 Large Jaw is supplied sterile for single-patient use
- It is compatible with the Ethicon GEN11 Generator (software version 2016-1 or later versions)
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).

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