ERGO 315R
BIPOLAR SEALING AND CUTTING WITH ADDED VALUE
ERGO 315R – Added value for bipolar sealing and cutting

Multifunctional, reusable, efficient

The ERGO 315R from BOWA is an instrument for vessel sealing in the 5 mm range. The ERGO 315R combines the advantages of a multifunctional instrument for laparoscopy with the added value of a reusable instrument. The well-conceived, ergonomic arrangement of the control elements deserves special attention.
The activation button can be positioned individually to match the preferred direction of use. The slender, atraumatic geometry of the instrument tip enables a wide variety of preparation methods. All parts of the instrument except the high-performance blade are reusable, making them especially efficient in everyday clinical use.
Well conceived through and through

Ceramic micro-teeth
for optimal grip on tissue and preventing contact with opposing jaws.

Minimal thermal spread
thanks to insulated mounting of electrode surfaces.

Low-reflection surface
Matte metal surface reduces irritating reflections in the surgical field of view.

Fine instrument tip
The slender, atraumatic geometry of the jaws enables a wide variety of preparation methods.

Tissue stop
Mechanism avoids overfilling of the jaws on the hinge side.

Fine jaws
The slender, atraumatic geometry of the jaws enables selective gripping and manipulation of tissue.

Disposable blade
The double-ground stainless steel blade ensures especially precise and reliable tissue separation.
Everything under control

**360° rotation**
Unlimited rotation for flexible positioning of the instrument’s jaws.

**Manual switch**
Easy manual activation on the instrument itself.

**Cutting function**
To activate the stainless steel blade for tissue separation.

**Individual positioning**
The manual activation switch can be positioned on the left or right side as desired.

**Multifunction lever/trigger**
The key control element for opening, closing and locking.

**Instrument recognition and ligation mode**
Thanks to modern RFID technology, BOWA electrosurgical devices recognise the ERGO 315R and select the appropriate ligation mode, which is self-regulating according to the tissue type.

**Multifunction lever**
The key control element combines dissection, grasping and preparation.
Clinical benefits

Surgeon:
- Time savings
- Excellent touch and feel
- Hand and foot activation
- Reliable cutting performance with single-use blade

Preparation:
- Validated preparation in cleaning tray, including irrigation adapter
- Complete disassembly into just 5 parts
- Instrument life cycle monitoring using RFID chip

Theatre staff:
- Plug & play
- Automatic parameter preselection/instrument recognition
- Easy assembly and disassembly

Controlling:
- Resource conservation: reusable individual components
- Cost transparency: trackable use history
- Minimisation of single-use parts

Clinical application

Surgical applications (examples)
- Sigmoidectomy
- Colectomy
- Fundoplication

Gynaecological applications
- Hysterectomy (TLH, LASH, LAVH)
- Wertheim-Meigs operation
- Oophorectomy

Urological applications
- Prostatectomy
- Cystectomy
- Nephrectomy
## Ordering data

### ERGO 315R

<table>
<thead>
<tr>
<th>Item</th>
<th>Handle</th>
<th>Jaws</th>
<th>Thrust tube</th>
<th>Blade rod</th>
<th>Blade</th>
<th>Cable</th>
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<tbody>
<tr>
<td></td>
<td>770-510</td>
<td>770-522</td>
<td>770-532</td>
<td>770-542</td>
<td>770-998</td>
<td>358-245</td>
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<tr>
<td>275 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2x)</td>
<td></td>
</tr>
<tr>
<td>360 mm</td>
<td></td>
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<td></td>
<td></td>
<td>(2x)</td>
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</tbody>
</table>

### ERGO 315R with reprocessing basket

<table>
<thead>
<tr>
<th>Item</th>
<th>ERGO 315R 275 mm</th>
<th>ERGO 315R 360 mm</th>
<th>ERGO 315R reprocessing basket</th>
<th>ERGO 315R tray lid</th>
<th>Cleaning adapter kit</th>
<th>Cleaning brushes kit (quantity 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>275 mm</td>
<td>770-502</td>
<td>770-503</td>
<td>773-982</td>
<td>773-983</td>
<td>723-050</td>
<td>723-000</td>
</tr>
<tr>
<td>360 mm</td>
<td>770-502</td>
<td>770-503</td>
<td>773-982</td>
<td>773-983</td>
<td>723-050</td>
<td>723-000</td>
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## Technical data

### Overview of technical data

<table>
<thead>
<tr>
<th>Item</th>
<th>ERGO 315R 275 mm</th>
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<tbody>
<tr>
<td>Working length REF 770-502</td>
<td>275 mm</td>
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<tr>
<td>Working length REF 770-503</td>
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<tr>
<td>Diameter</td>
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<td>Rotation</td>
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<td>Sealing length</td>
<td>18 mm</td>
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<td>Cutting length</td>
<td>15 mm</td>
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<tr>
<td>Max. jaw opening width</td>
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<tr>
<td>Electric strength</td>
<td>200 Vp</td>
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<tr>
<td>Electrical property</td>
<td>Bipolar</td>
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<tr>
<td>Preparation</td>
<td>20 cycles, steam sterilisation</td>
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<tr>
<td>Connector type</td>
<td>BOWA COMFORT</td>
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<tr>
<td>Permissible combination</td>
<td>BOWA ARC 400/350</td>
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