**[Application]**

Disposable wound protector is used for soft tissue and thoracic retraction, facilitates specimen removal and instruments placement. It can be applied to general surgery, bariatric surgery, gynaecologic surgery and so on, provides excellent visualization and access.

**[Structure]**

Disposable wound protector was composed of outer ring, imbedding ring and channel. Each part can generate elastic deformation in the longitudinal and radial after the force, which can be realized after the elastic recovery. Maximum exposure of incision to provide a clear operative field, the channel is isolated incision site from abdominal viscera to reduce complication. In clinical use, surgeons can use appropriate specifications of disposable wound protectors according to incision site and size.

**[Features]**

1. 360° incision protection and circumferential atraumatic retraction.
2. Isolating incision site from abdominal viscera to reduce postoperative complication.
3. Keep moisture at the incision site.
4. Significantly decrease surgical site infection.
5. Maximum exposure incision to provide a clear operative field, protect incision from damage, reduce operation time, and improve quality of surgery.

**[Materials]**

Model A wound protector is made of standard PE and TPU thin film, model B wound protector is made of silica gel and 12Cr18Ni9 stainless steel wire.

**[Specification]**

<table>
<thead>
<tr>
<th>Model</th>
<th>Specification</th>
<th>Outer Diam.</th>
<th>Inner Diam.</th>
<th>Channel Diam.</th>
<th>Channel Length</th>
<th>Application (For Reference)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Material:PE&amp; TPU</td>
<td>60/70-60/150</td>
<td>60</td>
<td>70</td>
<td>60</td>
<td>150</td>
<td>20~40mm wound (Extra small)</td>
</tr>
<tr>
<td></td>
<td>80/90-80/150</td>
<td>80</td>
<td>90</td>
<td>80</td>
<td>150</td>
<td>30~60mm wound (Small)</td>
</tr>
<tr>
<td></td>
<td>120/130-120/250</td>
<td>120</td>
<td>130</td>
<td>120</td>
<td>250</td>
<td>50~100mm wound (Medium)</td>
</tr>
<tr>
<td></td>
<td>150/160-150/250</td>
<td>150</td>
<td>160</td>
<td>150</td>
<td>250</td>
<td>80~130mm wound (Large)</td>
</tr>
<tr>
<td></td>
<td>180/190-180/250</td>
<td>180</td>
<td>190</td>
<td>180</td>
<td>250</td>
<td>100~150mm wound (Extra large)</td>
</tr>
<tr>
<td></td>
<td>220/230-220/250</td>
<td>220</td>
<td>230</td>
<td>220</td>
<td>250</td>
<td>120~170mm wound (Extra large)</td>
</tr>
<tr>
<td></td>
<td>270/280-270/250</td>
<td>270</td>
<td>280</td>
<td>270</td>
<td>250</td>
<td>170~220mm wound (Extra large)</td>
</tr>
<tr>
<td></td>
<td>320/330-320/350</td>
<td>320</td>
<td>330</td>
<td>320</td>
<td>350</td>
<td>220~280mm wound (Extra large)</td>
</tr>
</tbody>
</table>
### Instructions for Use

#### A. Usage of Model A

The ivory ring is outer ring, the blue ring is imbedding ring.

1. Choose a suitable specification according to incision site and size, usually we choose a specification whose channel diameter is larger than the incision diameter.
2. Place the imbedding ring which is clamped into a narrow elliptic into the incision, then the imbedding ring will be released to round shape.
3. Put outer ring to right position and correct channel to straight, then turn outer ring to inward according to the incision tissue, the channel length will be gradually reduced, so that the outer ring can firmly attached around the incision. The imbedding ring and outer ring are respectively on the both sides of incision. The tension produced by traction of ring and outer ring provide a clear operative field.
4. We fasten imbedding ring edge and pull it out along the channel, when we take out the disposable wound protector after operation.

#### B. Usage of Model B

Model B disposable wound protector entirety is white, the big diameter is outer ring, and the small diameter is imbedding ring.

1. Choose suitable specification according to incision site and size, usually we choose a larger specification than channel diameter.
2. Insert the imbedding ring which is clamped into a narrow elliptic into the channel in reverse, the imbedding ring is divided into two parts. Then we align the incision with lower imbedding ring, push the upper imbedding ring into incision rightly.
3. The channel will be closed to the incision, the imbedding ring and outer ring are respectively on the both sides of incision. The tension produced by traction of ring and outer ring provide a clear operative field.
4. We fasten imbedding ring edge.

#### Cautions

1. Check up disposable wound protector outer package before using, it is forbidden to use if the package is damaged.
2. Disposable wound protector is sterilized by irradiation Co-60, it is for clinical use after irradiation.
3. The sterilization period of validity is three years, check up product validity date before using, it is forbidden to use over the period of validity.